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Presbyterian College Catalog 1971-1972, Laurinburg, N.C. 28352

# St. Andrews





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In his inaugural address at the University of St. Andrews, John Stuart Mill said, "Men are men before they are lawyers, or physicians, or merchants, or manufacturers, and if you will make them capable and sensible men they will make themselves capable and sensible lawyers or politicians. . . ."

St. Andrews Presbyterian College thus places its primary emphasis upon being a small liberal arts college of quality. St. Andrews has done this in the conviction that by so being it might best help its graduates become "capable and sensible" men and women — help them make a life for themselves and their fellow men that is worth living. St. Andrews has redesigned the traditional liberal arts curriculum seeking a balance between depth and breadth of learning.

We seek to be a community of learning — of self, of society, of the world, of God.

We seek students and teachers pursuing these goals to join in our bold and ongoing experiment in Christian higher education.

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*Donald J. Hart, President*

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Visitors to the campus are welcome. Offices of the College are open Monday through Friday from 9:00 to 5:00. The Office of Admissions is open on weekends by appointment.

# College Calendar

In September, 1968, St. Andrews inaugurated the new academic calendar and program popularly known as the 4-1-4 program. This calendar divides the academic year into three terms: the first term contains four months; the second term, one month; the third term, four months. The fall term begins early in September and ends with the Christmas vacation; the month of January constitutes the winter term; the spring term begins in February and ends in late May or early June.

This calendar has many advantages. Work in the first term is not frequently interrupted by vacations, and examinations are over before the Christmas holidays. Classes meet more frequently, and students take fewer courses, four courses in the fall and spring terms and one course in the winter term. During the winter term, independent study, seminar work, and off-campus activities are stressed. Both students and professors concentrate their interest and attention upon one subject in this term and have an opportunity for many educational activities not possible in the more conventional academic program. A wide range of cooperation with other colleges having the 4-1-4 program also now becomes possible.

## Fall Term 1971

August September	29- 1	Sunday- Wednesday		New Student Orientation
September	1	Wednesday		New Student Registration
September	2	Thursday	(8:30 a.m.)	Classes Begin
September	8	Wednesday		Drop/Add Period Ends
October	1	Friday	(5:00 p.m.)	Incomplete grades for Spring and Summer Terms not removed become "F" grades
October	14-15	Thursday- Friday		Mid-Term Reading Period
October	29	Friday	(5:00 p.m.)	Mid-Term Grades Due
November	4-10	Thursday- Wednesday	(5:00 p.m.)	Registration for Spring and Winter Term
November	23	Tuesday	(5:00 p.m.)	Thanksgiving Recess begins
November	29	Monday	(8:30 a.m.)	Thanksgiving Recess Ends
December	11	Saturday		Graduate Record Exams
December	13-17	Monday- Friday		Examinations
December	17	Friday	(5:00 p.m.)	Fall Term Ends
December	18	Saturday	(noon)	Dormitories Close
December	22	Wednesday	(noon)	Fall Term Grades Due

The College Calendar  
1971-1972

**Winter Term 1972**

January	3	Monday	(8:30 a.m.)	Winter Term Begins
January	28	Friday	(5:00 p.m.)	Winter Term Ends
January	28	Friday	(5:00 p.m.)	Incomplete Grades for Fall Term not removed become "F's"

**Spring Term 1972**

January February	30- 1	Sunday- Tuesday		Orientation of New Students
February	1	Tuesday		New Student Registration
February	1	Tuesday	(5:00 p.m.)	Winter Term Grades Due
February	2	Wednesday	(8:30 a.m.)	Classes Begin
February	8	Tuesday	(5:00 p.m.)	Drop/Add Period Ends
February	29	Tuesday	(5:00 p.m.)	Incomplete Grades for Winter Term not removed become "F" grades
March	23	Thursday	(5:00 p.m.)	Easter Vacation Begins
March	24	Friday	(5:00 p.m.)	Mid-Term Grades Due
April	4	Tuesday	(8:30 a.m.)	Easter Vacation Ends
April	20-26	Thursday- Wednesday		Registration for Fall Term
April	22	Saturday		Graduate Record Exams
May	15-19	Monday- Friday		Examinations
May	18	Thursday	(noon)	Senior Grades Due
May	19	Friday	(5:00 p.m.)	Spring Term Ends
May	21	Sunday		Baccalaureate/Graduation
May	24	Wednesday	(noon)	All Grades Due

**Summer Term 1972**

June	5	Monday		Summer Term Begins
August	11	Friday		Summer Term Ends

# General Information



**The College** St. Andrews Presbyterian College is a four-year, coeducational, residential college in Laurinburg, North Carolina. Established in 1958 by the Presbyterian Synod of North Carolina, which elects trustees of the College, St. Andrews is Christian but not sectarian in character, innovative in its programs and teaching, contemporary in its 820-acre campus and in its intention to provide maximum opportunity for independent and interdisciplinary study.

The College regards as its primary objective the cultivation of disciplined, inquiring minds in students who are aware of Christian ideals and values, minds that will serve them as flexible instruments for confronting constant and accelerating change. The interdisciplinary philosophy that shapes the St. Andrews curriculum is designed to achieve this end, and the core program of the College clearly reflects this philosophy.

The four-year interdisciplinary program in the humanities and the social sciences, entitled Christianity and Culture, combines and interrelates religion, history, philosophy, literature, the social sciences, and the arts. It seeks to develop an understanding of Christianity in its impact upon Western civilization and in its application to the problems of our times, to impart a knowledge of non-Western civilization, and to kindle a real concern for moral and religious values.

The interdisciplinary philosophy also undergirds the St. Andrews program in mathematics and the natural sciences. Accepting the premise that a liberal education includes a familiarity with the natural sciences, St. Andrews requires of all freshmen the team-taught, interdisciplinary course, "Selected Topics in Modern Science." In this course and in the several science majors the student will find an emphasis on the inter-related nature of the sciences and the relationships between the natural sciences and the other academic disciplines.

The same careful planning and consultation with leading educators that preceded the interdisciplinary program in the humanities and the social sciences, and more recently, the science curricula, now is being brought to bear in a third area—an interdisciplinary approach to the social and behavioral sciences. The new program will integrate study in such areas as economics, business administration, politics, psychology, and sociology. The College expects to begin a pilot program in this area in 1971-72.

### **Accreditation**

The College is accredited by the Southern Association of Colleges and Schools. It is an institutional member of the National Association of Schools of Music and the American Association of Colleges for Teacher Education. It also holds membership in the North

Carolina Association of Colleges and Universities, the Association of American Colleges, the North Carolina Foundation of Church-Related Colleges, and the Piedmont University Center. The athletic program is approved by the National Association of Intercollegiate Athletics (NAIA). Women graduates qualify for membership in the American Association of University Women.

### History

In the early 1950's the Presbyterians of North Carolina were faced with the problem of too many colleges for their financial resources. They obtained a grant from the Ford Foundation to conduct an over-all study of the program of Christian higher education in the Synod of North Carolina. One of the results of the study was a decision by the Synod in 1955 to merge several of its colleges into one at a new site.

A board of trustees was elected with representation from the boards of trustees of the merging schools after these boards had signed the agreement of consolidation. The official agreement of consolidation was filed with the Secretary of State in Raleigh on May 28, 1958, and was called the Charter of the Consolidated Presbyterian College.

Subsequently, another foundation grant enabled the Synod to conduct a study leading to the new features of the St. Andrews curriculum and student life. Long periods of planning by the Board went into the campus design, the curriculum and administrative organization of the new college.

St. Andrews was named in late 1960 after a careful study by a subcommittee of the Board of Trustees. The name has great historical and traditional significance in the Protestant heritage. Not only was Andrew one of Christ's disciples, but the name "Andrew" is Greek and means "manhood" or "valor." The University of St. Andrews in Scotland also was a key factor in the development of Protestant higher education in Scotland.

The merging institutions contributed years of experience and time-honored traditions to the new college. Flora Macdonald College, named for the colorful Scottish heroine, was founded in Red Springs by Fayetteville Presbytery in 1896. First called Red Springs Seminary, the name was changed in 1903 to Southern Presbyterian College and Conservatory of Music in recognition of its outstanding academic program in music. In 1914 Dr. James A. Macdonald of Toronto suggested that the name be changed to Flora Macdonald.

In 1928 the Synod of North Carolina authorized the establishment of the Presbyterian Junior College for Men in Maxton, and that institution rendered valuable service to North Carolina youth until it became a part of St. Andrews.

**Location**

St. Andrews lies on the south side of Laurinburg, twice an "All-America" city and the county seat of Scotland County. Its location at the edge of the famous Sandhills country gives students a pleasant setting for study and recreation. Laurinburg's climate is similar to that of nearby winter resorts of Southern Pines and Pinehurst. The area is noted for the beauty of its azaleas, camellias, dogwood, and longleaf pine. Laurinburg is at the junction of U.S. routes 401, 15, 501, and 74. These arteries, plus bus service and proximity to air service, make Laurinburg accessible from all parts of the country. The College is served by the Seaboard Coast Line Railroad via Hamlet and Fayetteville, and by Piedmont Airlines through Fayetteville. Laurinburg-Maxton Airport, a general aviation field with 6,500-foot runways, is within six miles of the campus.

**Campus**

One of the chief attractions of the College is its new, contemporary style campus situated on 820 acres of rolling land, most of which lies in the city limits. Leading educational consultants were employed to work with expert architects and landscape architects to translate Christian educational philosophy into modern construction. Design of the campus won for its architects a first-place citation in national competition.

Most of the campus buildings are grouped on the northern and southern banks of a 70-acre lake, Lake Moore, honoring the College's first president, Dr. Ansley C. Moore. Major buildings for academic work — the library, liberal arts building, the new science building, and the music building — are on the southern bank; facilities for student housing, recreation, and extra-curricular activities are located on the northern side. A causewalk restricted to pedestrians links the two areas. The beauty of the campus is enhanced by placement of power and telephone lines underground. All permanent buildings are linked to a central air-conditioning and heating system. Every building has ramps and other design features for students with physical limitations.

*THE DETAMBLE LIBRARY*, at the center of campus academic life, is a beautiful three-story building near the lake on the academic side. Gifts for its construction came from many sources, the largest from the First Presbyterian Church of Winston-Salem out of the F. J. DeTamble legacy, with others from the Z. Smith Reynolds and Mary Reynolds Babcock Foundation. The seating capacity of 245 includes many individual study carrels. Shelf space is provided for 76,000 volumes now in the collection. Several

thousand volumes are being added each year and 1,000 periodicals and newspapers are received.

The Scottish collection consists of about 800 volumes of Scottish history and literature, especially interesting because of the Scottish heritage of the College and of the region in which St. Andrews is located. The music collection containing nearly 1,500 scores and more than 1,000 records, and provided with listening booths, is housed in the Vardell Building.

The rare book collection contains valuable 17th and 19th century books and manuscripts of interest to the scholar and research student, including several recent gifts from Mr. Phillip Diehl.

*THE LIBERAL ARTS BUILDING*, housing academic activities within an area of 64,000 square feet, stands to the east of the library. One-story on the south side, the building changes to two-story height on the lake front and has two enclosed courtyards. It now contains 18 lecture-classrooms, six art studios for painting, sculpture, ceramics and photography, a 200-seat theatre, an experimental psychology laboratory, a faculty lounge, 38 faculty offices, an exhibition lobby area and the administrative offices. Provision for audio-visual instruction, not only in this building but throughout the campus, includes modern dial access equipment.

*THE SCIENCE CENTER*, adjoining the Liberal Arts Building, and containing 76,600 square feet, is designed to provide facilities for our unique science program. On the upper level is the 255 x 80-foot multi-disciplinary laboratory, the instrumentation room containing such sophisticated science equipment as a nuclear magnetic resonance spectrometer and an electron microscope, facilities for radiation experimentation, four large growth chambers, a self-service stock room, shops for woodworking, metal working, and glass-blowing, and four seminar rooms. The lower level, facing the lake, contains fourteen large faculty teaching offices designed for individual and small group instruction, and six seminar rooms.

*THE AVINGER AUDITORIUM*, made possible by a gift from Mrs. George F. Avinger in memory of her husband, connects the Science Center and the Liberal Arts Building. Designed as a teaching auditorium, it is equipped and furnished with the best facilities available to make possible effective instruction for large and small audiences. Its 400 seats are arranged at rows of tables, placed on five levels, all facing a common lecture area. The excellent acoustics are enhanced by carpeting throughout the auditorium. Equipment for audio-visual instruction includes three projectors and screens ready for simultaneous use when desirable.

*THE VARDELL MUSIC BUILDING*, to the west of the library, forms the third side of what will become a quadrangle of academic

buildings. It contains the music office; a choral-recital auditorium with an organ; a band and orchestra rehearsal room; 18 practice rooms, including four organs, a harpsichord and a clavichord; seven studios for piano, organ, voice, and instrumental teaching; a music theory classroom; two classrooms for music and general use; the music library and listening room; a recording studio; six faculty offices; and an art gallery.

*THE COLLEGE UNION* makes effective use of glass and sunlight, and overlooks the lake on the residential side of the campus. The center of campus social life, it houses the student lounges, television room, music-listening room, recreational facilities, snack bar, post office, student book store, student activity offices, and cafeteria.

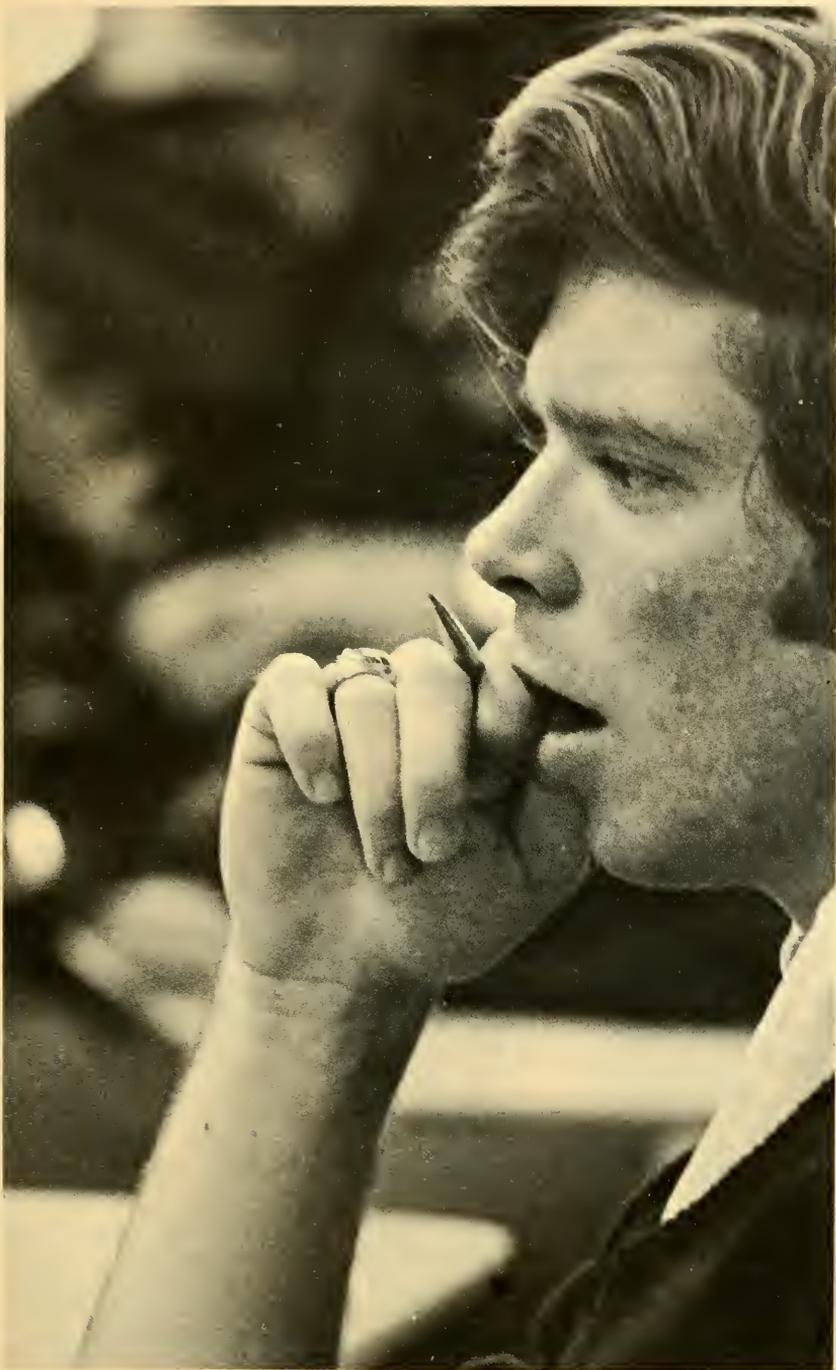
*THE EIGHT DORMITORIES* are single and multiple-story to accommodate 96 and 114 students to a building. The single-story buildings are constructed around courtyards. One outstanding feature of all dormitories, especially conducive to developing a spirit of cooperative student living, is the small group unit to accommodate 12 or 16 students. These units include bedrooms, bath, and a lounge. Laundry facilities are conveniently located in each dormitory. In addition each dormitory has a reception area, residence hall director's apartment, and all required auxiliary facilities.

Near the dormitories are these physical education facilities: an all-weather track, Clark Field for baseball, lighted all-weather tennis courts, soccer and hockey fields, and a golf practice area with a par-three course of seven holes.

*THE PHYSICAL EDUCATION CENTER* is in a convenient location between the two residence areas. Designed to undergird the St. Andrews program of athletics for men and women with an emphasis on lifetime sports, it is a focal point of student life. The Harris Basketball Court has a seating capacity of 1,200 and can be converted for several intramural games. The Olympic-size O'Herron Swimming Pool is available for year-round use, as are the bowling alleys, handball courts, game room, wrestling and weight rooms. Offices for the physical education staff, provided by the McNair family, are next to the three classrooms. Other facilities include lockers and dressing rooms and accommodations for visiting teams.

At present *THE ADMINISTRATION OFFICES*, *THE CHAPEL*, and *THE INFIRMARY* are housed in temporary quarters. However, funds for The John Blue Administration Building, the Belk Chapel, and the Frances Ley Springs Learning Resources Center have been received, assuring their construction in the near future.

# College Aim



**College Aim** In the philosophy to which it is committed St. Andrews Presbyterian College is avowedly Christian. The College was established by the Synod of North Carolina of the Presbyterian Church in the United States. Its trustees are elected by this Synod.

To symbolize this commitment it is planned to place the College chapel at the center of the campus; in similar fashion the Christianity and Culture program has been placed at the heart of the curriculum. In the education experience seen as a whole there is a continuing concern to combine effectively the intellectual and the spiritual.

In more specific terms, the college program is designed to develop in the students who attend St. Andrews such characteristics and attitudes as the following:

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(1) A disciplined, informed, and inquiring mind marked by the ability to think clearly and to express ideas effectively.

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(2) A breadth of intellectual sympathy that will include awareness of the major cultural achievements of Western civilization and of the emerging non-Western cultures.

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(3) A growing and informed Christian faith that finds expression in dedication to promulgation and practice of Christian ideals in all areas of life.

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(4) An intelligent concern for the realization of Christian and democratic values not only in personal relations but also in national and international affairs.

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(5) A desire for continued intellectual, moral, and spiritual growth.

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(6) Physical and emotional health and vitality.

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## Student Life

St. Andrews student life seeks the full dimension of living and learning together.

The academic program, social and recreational activities, civic involvement, and religious opportunities all contribute to the realization of this goal.

The academic program brings about intellectual competence, familiarity with the learning process, skills and knowledge in special fields, and is climaxed with the awarding of the baccalaureate degree.

Social and recreational activities are most often conducted in the context of group living offering the student many opportunities to develop poise and confidence in social activities. Individual responsibility is the keynote of student citizenship. Student government helps plan and regulate the campus life through the Senate, the Cabinet and the Student Judiciary.

The religious life on the campus is centered in chapel programs and other activities which provide experience in worship, in spiritual growth, and in service to the campus community and beyond.

### *Today's Students*

Throughout our nation, today's students are involved in a continuing effort to find themselves and their place in the world. They are asking questions about educational goals and practices that lack relevance to the modern world, about traditional curriculum patterns, and about bland, impersonal, rigid administrative regulations.

St. Andrews is among those colleges willing to listen with critical attention to the voices of today's students. It is finding that these young men and women are generally better prepared for college than previous student generations, and that they come with a high degree of honesty, sincerity, and purposefulness. They want to contribute to the improvement of their college and their community, and they seek constructive ways to use their talents and energies.

### *The St. Andrews Response*

The growing concern of the student to be involved in the governance of his affairs is met with the College's effort to develop a strong feeling of identification with the College — its problems, its opportunities, its plans, and its programs. It offers the student the chance to assume responsibility for his education, to exercise self-discipline in his behavior, and to provide self-direction in his personal and intellectual growth. This concept of individual freedom exercised with responsibility is proving more acceptable and more effective than the old idea of the college administration acting *in loco parentis*.

St. Andrews seeks to help students ascertain and express their needs for individual understanding and growth and their relation to the world and life. In contrast to larger institutions where there is little contact with faculty, St. Andrews, because of its size but also because of the concern manifest by many professors and administrators, is a school where students have access to instructors and deans, and where instructors and administrators have more than a behind-the-desk personality.

Most classes are small enough to permit give-and-take discussion and exchange of ideas. Informal discussion continues in the halls, in offices, in lounges and rooms, and, on occasion, professors are invited to exchange ideas with interested students in sessions which go on for hours. Seminars for upperclassmen afford students the chance to suggest and pursue, under informed direction, topics or interests they want to study in depth, and to react to questions of fellow students and professors.

Intellectual competence of the faculty, opportunities to ask questions and seek answers, exposure to stimulating ideas and divergent viewpoints — all contribute to a viable atmosphere for the student who takes his education seriously and takes seriously the possibilities inherent in self-directed study and active participation in the many areas open to him.

In line with openness in academic inquiry, St. Andrews encourages a concept of student living that is equally forthright and honest, allowing opportunities to experience many different approaches to life's problems, both in the classroom and in the residence hall, on and off campus, in thoughtful isolation or in social relationships.

Almost everything that happens on campus is open to the new student as well as to the upperclassman. A freshman student in the fall of 1971, for example, played one of the leads in *Your Own Thing*, and freshmen and transfer students were elected to offices in the spring elections. All choral and musical groups as well as dramatic, athletic and sports activities, the Peace Corps, the student publications, and residence hall activities encourage active participation. Students serve on all major College committees as voting members.

### **Honor at St. Andrews**

The St. Andrews Honor Code was instituted by the students in cooperation with the faculty and attests to a belief in the integrity of the community and to the individual's responsibility for his own behavior. Lying, cheating, and stealing are serious violations of community integrity and thus are the concern of all members of the community.

Each member of the community (students, faculty, administra-

tion and staff personnel) bears responsibility for maintaining high standards of conduct, and all are pledged to deal with violations of honor in a responsible way. Each student upon matriculation at St. Andrews will sign the following pledge:

*As a member of the honor community of St. Andrews, I pledge that I will not lie, cheat, or steal, nor will I tolerate this conduct in any other member of the community. I will do all within my power to uphold the high standard of integrity and honor of St. Andrews.*

Members of the administration and faculty of St. Andrews pledge themselves to respect the spirit and intention of this Honor Code, and to support those who are charged with the responsibility of administering the Honor System.

### **The Student Association**

The Student Association is made up of all students of the College. The Cabinet is the executive body consisting of elected leaders of all major boards and activities, together with the chief elected officers of the student body. The Attorney General is the chief judicial officer of the Association, and various courts are elected or appointed to carry out the judicial responsibilities of student government.

The Senate, composed of representatives from each of the eight residence halls plus day student representative, serves as the legislative body of the Association. Faculty or administration advisers serve with the students and all questions involving student welfare or interests are carefully considered for the general good of all.

### **Student Personnel Services**

Student life activities are under the general supervision of the joint student-faculty Student Life Committee which works with the Dean of Students and the Office of Student Personnel Services. A subcommittee of the Faculty Executive Committee, including faculty, administrators, and students, works with the Dean of the College in reviewing academic problems as they arise. Judiciary matters are handled by the Student Attorney General or by one of the several lower courts as designated by him.

Students are expected to be responsible for their own behavior and to direct their lives responsibly while they are students at St. Andrews. Those unwilling to follow the policies and procedures of the institution will subject themselves to disciplinary action.

### *Residence Hall Life*

Since St. Andrews is a residential college, all students are required to live in the dormitories on campus, when available space permits, unless they are living with parents, guardians, or husbands or wives. Single undergraduate men and women fully admitted but for whom no space on campus can be assured, may be permitted to reside off campus subject to approval by the Office of Student Affairs. Basic college regulations apply to off-campus residents.

Residence hall life at St. Andrews provides opportunities for responsible group living, for adjustment to conditions new and different, and for forming close friendships which will enrich life in the future as well as in the years at college. Students live in small units of 12 to 16 in suites grouped around a common lounge. Although strain and stress may sometimes interfere with harmony and happiness when many new people begin the process of living together, usually the results are creative adaptation and warm relationships. Strong attachments are formed for certain suites or for a particular dormitory, and the identity of the occupants and the self-discipline and control exerted on the individuals by the group become a fruitful and creative influence.

The Dorm Council and the Residence Director operate each residence hall, planning recreational and fellowship activities. Each residence hall is responsible for setting its own residence hall living controls in regard to hours, visiting privileges, and social and recreational programs within the framework of general college policy.

The College Union Dining Hall provides meal service throughout the regular college year except during stated vacation and holiday periods. A snack bar is open to all students at stipulated hours and day students and those living off campus may eat here or buy a long-term meal ticket from the Business Office.

### *Counseling and Guidance*

Each student is assigned a faculty adviser prior to registration who remains as his adviser through the first two years unless the student requests a change. Assistance is provided the student in planning his academic program and in solving non-academic problems.

The Counseling Services provide short-term individual and group counseling on campus by three trained counselors who work under psychiatric supervision. Also available for consultation with students are the deans, faculty members, residence hall directors, and other administrators. Arrangements are made by the College to have psychiatric consultation available for those who may benefit from this level of professional help.

The facilities of the Presbyterian Guidance Center are available to individual students at any time by appointment.

### *Placement Service*

The college placement service exists to promote the student's personal development by assisting him in planning for future career opportunities. This service is implemented by making available occupational literature; maintaining listings for summer and part-time employment; arranging interviews with representatives of business, industry, and government; administering tests and offering vocational counseling in cooperation with the Presbyterian Guidance Center; and establishing a permanent file for alumni placement.

### **Variety of Student Activities**

About thirty states are represented in the St. Andrews student body with most of the students coming from Atlantic Seaboard states. Wide geographic distribution implies broad cultural and racial backgrounds, and students' interests and experience vary greatly. In an effort to offer something of value to all students, and in line with the many possibilities for growth in all the dimensions of campus living, St. Andrews is ever widening its cultural program and outlook.

The Division of Music, Art and Theatre provides the main impetus for cultural events through the presentation of concerts, recitals, festivals, and exhibits, utilizing faculty and students, as well as visiting artists.

Student social and recreational activities are coordinated by the College Union Board. The varied activities include dances, pop concerts, movies, and off-campus trips. The College Union Board also cooperates with other student groups in the operation of an on-campus coffee house, "The Farrago."

The 820-acre campus containing a 70-acre lake, affords an abundance of outdoor leisure activities. The riding club has facilities for the care and riding of student-owned and club-owned horses, and there is a sailing club with its own sailboat, and a gun club for those who wish to hunt in the area. Controls are defined and enforced for all these activities.

St. Andrews seeks a healthy balance between its varsity sports program and its program of intramural sports and recreation. Currently the College fields varsity teams in nine intercollegiate sports: soccer, cross country, basketball, wrestling, bowling, baseball, golf, tennis, and track. In endorsing the value of intercollegiate competition, St. Andrews is committed to a policy of no athletic scholarships and competes primarily in the Dixie Intercollegiate Athletic Conference whose members share this philosophy. The College is also a member of the National Association of Inter-

collegiate Athletics (NAIA) and competes creditably with teams of NAIA District 29 (embracing eastern portions of the two Carolinas and Virginia), although many of these teams do have athletic scholarships.

The St. Andrews Radio Club operates an on-campus radio station, WSAP, which is a member of the Intercollegiate Broadcasting System, and also an amateur "ham" station. Opportunities for training and work in all phases of the broadcasting media are provided, including electrical engineering, public relations, advertising sales, and programming. WSAP has excellent facilities and broadcasts 14 hours daily to the campus on a closed circuit. The station is housed in a redesigned building at the northeast corner of the campus, which also houses the Farrago Coffee House.

### **Religious Life**

The curricular and extracurricular emphasis combine to make clear the implications of Christianity for modern life.

While St. Andrews is a college of the church, it is not sectarian in outlook. The various religious activities are ecumenical in emphasis, even as the Christianity and Culture curriculum is designed to give all students a very broad exposure to all aspects of the Judeo-Christian tradition. The College Christian Council provides students and faculty with opportunities to celebrate their faith in worship and to express it in service both on and off the campus.

#### *Worship*

The churches of Laurinburg offer the student a wide selection of worship opportunities on Sunday, as well as opportunities to participate actively in other phases of the church's program.

A voluntary weekly chapel service is held on campus to enable the students and faculty to worship together as an academic community. In these services the attempt is made to relate the worship of God to the particular needs and experiences of students, faculty, and staff. In addition to traditional modes of worship where the College Pastor and others may speak, various other media are employed to enrich the worship experience.

#### *Service*

The St. Andrews Peace Corps was created to provide a channel for students to put their faith into practice in service to their fellow man. Students work with the disadvantaged population of the area serving as tutors to young people, aides and advisors to families, and with churches and other service groups in a variety of programs.

Students sing in local church choirs, teach church school classes, and may become affiliate members of local churches during their time at St. Andrews.

## **Health and Medical Care**

The College Health Center, with a full-time Resident Nurse, an Assistant Nurse, and a College Physician available for daily consultation, is maintained for routine medical and first aid services to the students at no extra charge. For those who live in the residence halls, overnight care in the Health Center is provided when necessary; however, cases needing special or more than casual bedside attention will be referred to a local hospital. Such special care, special medications, and the services of medical doctors off campus are financial responsibilities of the students and their parents.

The College Physician, as well as other medical doctors, may be seen for private consultation off campus, or at the specific request of a student or parent. Such services are not provided as a part of the College Health Center program.

Through the cooperation of a commercial insurance company, a low-premium accident and sickness insurance plan is available to full-time students. The College recommends strongly that parents secure such protection for their sons and daughters if adequate coverage is not provided through family or individual programs.

## **Physically Handicapped Students**

The College is fully accessible to physically handicapped students and there are approximately 25 wheelchair students in the student body at any given time. A wide range of special services is available to them including counseling, aides, rehabilitation nursing, urology, adapted physical education, driver training, wheelchair repairs, and transportation by special bus. Handicapped students share the same dormitory facilities as the able-bodied and in general participate in all of the same college activities with them. Prospective handicapped students are admitted to the College by means of a Summer Trial Session during which regular college courses are taken for credit while an overall evaluation is made of their functioning on this campus. For information about the program for physically handicapped, write the Director of Health and Rehabilitation Services, St. Andrews Presbyterian College, Laurinburg, N. C. 28352.

## **Use of Motor Vehicles**

St. Andrews officials recognize that motor vehicle operation hazards exist far beyond the bounds or control of the College and do not encourage students to bring vehicles to the campus.

However, students who wish to operate a motor vehicle on campus must secure a permit from the office of the Campus Engineer. The permit requires that the applicant have approval of his or her parents, guardian, or spouse if married, present evidence of personal and property liability protection, and such other data as may be requested for supporting the application. The fee for a motor vehicle permit is one dollar per year.

Students on probation, or with probationary status pending, whether academic or disciplinary, may expect permission to operate motor vehicles for pleasure to be suspended.

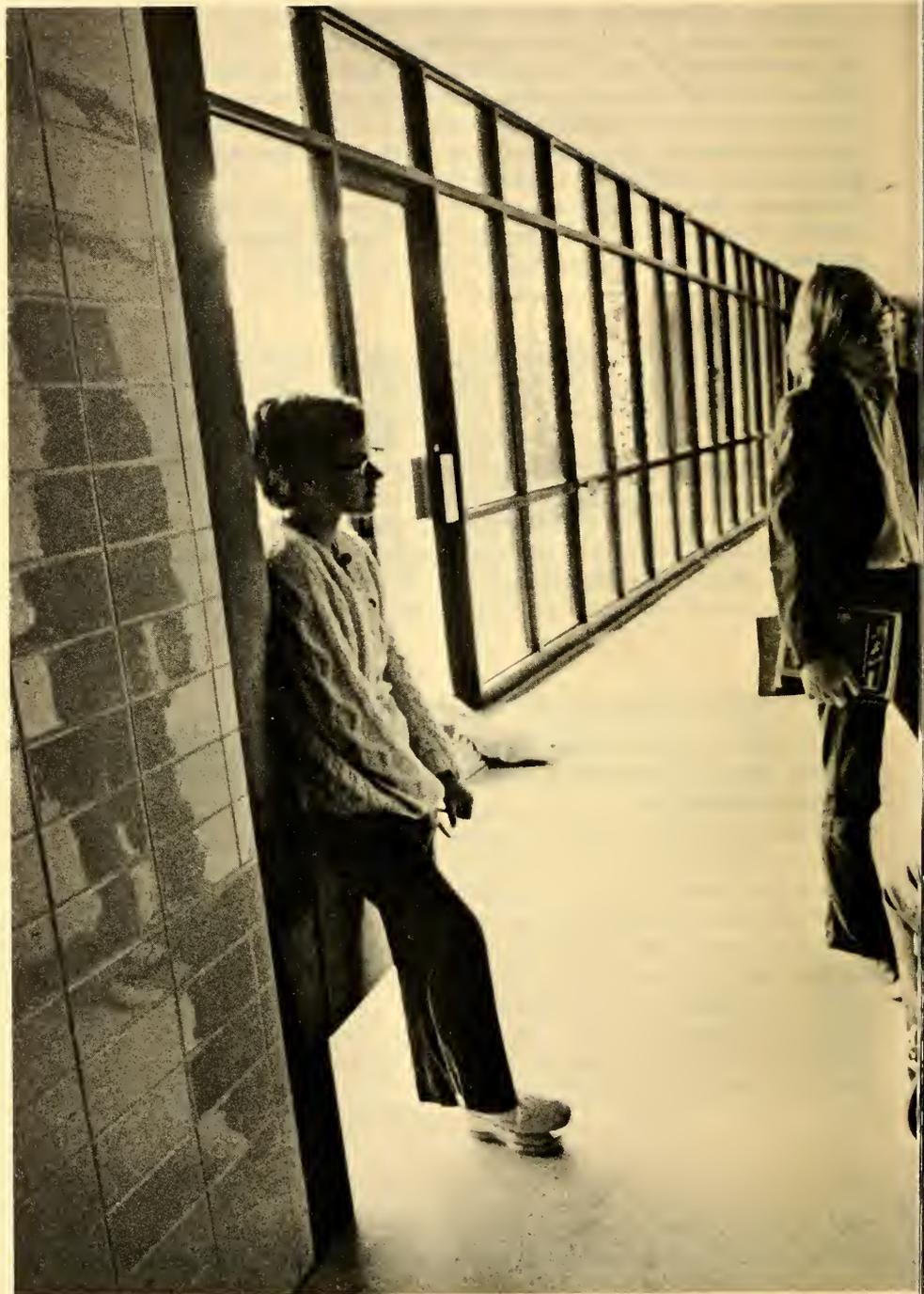
### **Parental Relations**

Parents' attitudes can affect student adjustment to the new experience of going to college. Parents are urged to permit the student to be "on his own," reassuring him with support and affection, but refraining from any direct interference in his academic or social situation. Students given this freedom will generally move more quickly toward maturity and self-realization.

Parents as well as students receive academic reports after official grading periods and are also informed of any disciplinary action. Students, however, are expected to inform their parents in such cases and not leave the responsibility entirely to college officials.

### **Policy Regarding Drugs and Alcoholic Beverages**

The College cannot condone the illegal use of drugs and/or alcohol. Specific information regarding this matter is found in the Student Handbook.



# Admissions



## Admissions

St. Andrews is committed to the education of those persons who are seeking a church-related college with excellent standards of scholarship. The student who is interested in attending St. Andrews should submit an application during his junior year or early in his senior year of high school. He may use the form in the back of this catalog or request one from the Director of Admissions. When the application is received, accompanied by a non-refundable \$15 fee, the Admissions Office will send the student further instructions.

Applicants with good secondary school records and strong Scholastic Aptitude Test scores can expect to hear from the Faculty Admission Committee early in their senior year. Other students will be considered after the College receives their first semester senior grades and senior SAT scores.

Major factors to be considered for admission to St. Andrews are a student's high school academic record including rank in class, the types of subjects studied, proficiency in English, the results of Scholastic Aptitude Tests, personal attributes, and interests and involvement in school and community activities. No specific grade average or test result assures admission to the College; the Committee on Admissions will evaluate an applicant's total record before deciding to approve or deny admission. Generally, the student who has followed an academic curriculum in high school will be more likely to succeed in college. Preparatory training should emphasize the traditional academic subjects.

*The recommended high school credits include:*

English	4 units
Foreign Language	3 or 4 units
Mathematics (Algebra, 2; Plane Geometry, 1)	3 units
Social Sciences	2 units
Natural Sciences	2 units
Electives	2 or more units

*An applicant who has not taken all the recommended subjects will not be denied admission for this reason alone, provided course credits are reasonably similar. However, if the applicant has a year or more of high school remaining, he should make every effort to take the rest of his study in the recommended fields.*

St. Andrews requires applicants to take the College Entrance Examination Board's Scholastic Aptitude Test. Applicants may be accepted on the basis of Junior SAT scores; when the test is taken more than once, the best score is used for admission pur-

poses. If the test has not been taken during the junior year, applicants are advised to register for the earliest possible testing date in the senior year.

St. Andrews also participates in the Advanced Placement Program of the CEEB. The student who received a 4 or 5 on any College Board Advanced Placement Examination will receive college credit in the subject at St. Andrews. Students will be excused from a college course on a score of 3. This policy applies only to courses which are similar to those in our programs of study.

A student wishing to transfer to St. Andrews from other colleges should have maintained at least a "C" average in all college work undertaken. He must request that a transcript of his record be sent to the St. Andrews Admission Office before his application can be acted upon.

Graduates of junior colleges and two-year community colleges who have completed the approved liberal arts program can expect junior standing if accepted as transfer students at St. Andrews.

Prospective students and their parents are cordially invited to visit the St. Andrews campus. Such a visit can be especially beneficial if it is planned during the college year. It is best if appointments for interviews are made in advance. If a student has not previously applied for admission, he should send a copy of his high school transcript with his request for an appointment. The Admissions Office is open for such appointments from 9 a.m. to 4 p.m. on weekdays and on weekends by appointment.



# Cost and Quality



**Cost and Quality** Because of its church-related nature and concern for the individual, St. Andrews seeks to make its opportunities available to qualified students from diverse backgrounds. It makes a genuine effort to balance its comprehensive fee between the demands of quality education and the financial resources of many families. As discussed in detail in the next section, the College provides financial aid to enable qualified students to consider St. Andrews.

The comprehensive fee for each resident student (both in-state and out-of-state) is \$2895. It includes room, board, tuition, college infirmary services, laboratory fees, the lecture and concert series, and subscriptions to the college newspaper and yearbook. The comprehensive fee for non-resident students is \$1860, which includes tuition, health services while on campus, laboratory fees, lecture and concert series, and subscriptions to the college newspaper and yearbook. In addition to the comprehensive fee, a student will incur personal expenses such as books, laundry, and incidentals.

**Schedule of Payments for Comprehensive Fee**

*Resident Students*

Room reservation deposit due May 1 (non-refundable after May 1)	\$ 100
Balance of fall/winter term fees due August 31	1495
Spring term fees due January 31	1300
	<b>\$2895</b>

*Non-Resident Students*

Fall/winter fees due August 31	\$1025
Spring term fees due January 31	835
	<b>\$1860</b>

Any other arrangement for payment must be made with the College business office prior to registration. Financing plans available through private companies have enabled many students to plan their payments to fit more conveniently with family budgets. For information, contact the business office.

To meet changing economic conditions, the Board of Trustees reserves the right to revise annual fees.

**Special Deduction**

Any student who is, at the time of initial admission to the College, a member of a Presbyterian church in the Synod of North Carolina will receive an annual deduction from fees of \$400 upon application to the Director of Financial Aid before the opening of the fall term.

## Music Fees

<b>Music Majors — Per Year Cost</b>	
General applied music fee includes all lessons, use of practice room and accompanist when necessary	\$200.00
Rental of instruments	10.00
<b>Other Music Students — Cost per year</b>	
One hour lesson per week	200.00
One half-hour lesson per week	100.00
Accompanist fee	30.00
<b>Summer School Music Fees</b>	
Applied Music fee per term includes practice room	50.00

### Expenses for Physically Handicapped Students

For special services to the handicapped, physically handicapped students, their parents, and vocational rehabilitation counselors should contact the Director, Health and Rehabilitation Services, St. Andrews Presbyterian College, Laurinburg, North Carolina, 28352.

### Student Accident and Sickness Insurance

St. Andrews Presbyterian College makes available each year a student insurance program at a minimum cost for a twelve-month period. A letter and a brochure will be mailed to every student following his acceptance explaining this plan.

### Laundry Rental Service

A laundry rental service is available and information describing the service will be sent to a student after he has paid his initial deposit.

### Payment of Accounts

An account is established for each enrolled student, and payments must be kept current. In addition to the schedule of payments for the comprehensive fee shown above, other fees, fines, and charges may apply. They are due when assessed and payable at the College business office. Where necessary, penalties will be assessed for late payment, including the withholding of transcripts and preventing subsequent registrations.

### Property Damage and Fines

Payment of all fees, fines, and claims for damage to property or equipment will be required before a student's name is submitted to the Faculty for approval for graduation or before the College grants honorable dismissal.

**General and Miscellaneous Fees**

Application Fee	\$15.00
Non-refundable fee which must accompany application for admission	
Late Registration Fee	10.00
Paid only if the student registers after the announced registration period.	
Change of Schedule Fee	5.00
This applies to change in program made after the approved drop-add period in any term.	
Course Fee for Reduced Load (per course)	160.00
Less than three courses, spring or fall term.	
Graduation Fee	15.00
Includes the cost of diploma and rental of cap and gown.	

**Refunds**

If a student withdraws for any reason during the first three weeks of the fall or spring term, he will be eligible for refund as follows:

<i>Date of withdrawal</i>	<i>Amount of refund</i>
During first week	75% of comprehensive fee
During second week	50% of comprehensive fee
During third week	25% of comprehensive fee

Application for withdrawal must be made at the registrar's office. Upon approval, the date of such application establishes the date of withdrawal.

After the third week, no refunds are allowed except for sickness or induction to military service. For sickness, a written statement from a medical doctor is required, stating the necessity of withdrawal. For military induction, a letter or other documentation from the pertinent military office will be needed.

**Quality and Costs**

In comparing colleges and their costs, a student and his family should remember that tuition and fees cover only a part of the instructional and operating costs at any college. At public institutions appropriations from the state government play an important part in meeting the difference between costs and charges to students. At St. Andrews this difference must be met by income from endowment, contributions of Presbyterian churches, and gifts of friends who recognize the value of the opportunities offered by St. Andrews.

St. Andrews is committed to quality education out of more than a sense of academic integrity. As a church-related college its commitment to quality is rooted in the conviction that the College is a community of individuals called by their Creator to their best efforts. That some of the ingredients of quality education — an able faculty, a low student-faculty ratio, team-teaching, and good facilities — add to costs is an economic fact of life.



# Financial Aid



## Financial Aid

St. Andrews exists to serve young people who earnestly desire a college education and can demonstrate the potential and motivation for success in their career here. The financial responsibility for this education lies primarily with the student and his family. However, no student should be discouraged from applying to St. Andrews because of the cost. Gifts from the church and other friends, together with general funds administered by the College, make possible a financial aid program to meet the demonstrated needs of many students.

### Scholarships

Academic scholarships are available to students with outstanding ability and achievement.

**The Vardell Scholarship** is the highest academic award of the College. Ten Vardell Scholars are chosen each year in competition, with stipends ranging from \$500-\$2800 for each of four years.

**The Presidential Scholarships** are reserved for a number of finalists in the Vardell competition with an annual stipend ranging from \$300 to \$750.

**The Valedictorian Scholarships** recognize students who have ranked first in their high school graduating class, with an annual stipend of \$250.

Other scholarships for qualified students include **The Robert C. and Sadie G. Anderson Scholarships**, the **Richard C. Neale Scholarships**, the **L. Richardson Scholarships**, the **Lettie Pate Whitehead Scholarships**, and the **Lucy Steele Memorial Scholarships** for North Carolina Presbyterians interested in a church vocation.

**Sophomore Honor Scholarships.** Sophomores who have attained academic averages of 3.5 or better for their work at St. Andrews through the winter term of their sophomore year are eligible for Sophomore Honor Scholarships of \$500 each.

### Loans

A number of loans are available to assist students in financing their education. In addition to college loan funds listed in the back of the catalog which bear four per cent interest after repayment begins, the College also administers loans for the National Defense Student Loan Fund.

This fund created under Title II of the National Defense Education Act of 1958 makes available to worthy and needy students a maximum of \$5000 over a five-year period, but not to exceed \$1000 in any one year. Repayment does not begin until after the student has been out of school for nine months, and bears no interest until repayment begins. If the borrower becomes a full-time teacher in an elementary or secondary school or in an institution of higher education, as much as half of the loan may be forgiven at the rate of ten per cent for each year of teaching.

Names of agencies outside the College from which St. Andrews students frequently borrow throughout the undergraduate years are available from the Director of Financial Aid.

### **Workships**

Part-time employment on campus is available to many students with demonstrated need as evidenced by the Parents' Confidential Statement. These work opportunities ordinarily require ten hours work per week, with pay ranging from \$480-\$600 per year depending on the job and the worker's skill and experience.

The College participates in the College Work-Study Program under Title IV-C of the Higher Education Act of 1965 in providing campus and off-campus employment for qualified students.

### **Grants-in-Aid**

Promising students who do not win scholarships but who have a demonstrated need may be considered for a grant up to an amount of \$1000. Students with exceptional financial need who show academic or creative promise may receive an Educational Opportunity Grant under Title IV-A of the Higher Education Act of 1965.

### **Applying for Financial Aid**

The amount of a scholarship award, and the amount and types of other aid awarded, is based on the student's financial need as determined by the Parents' Confidential Statement to be filed by *January 15* by every applicant with the College Scholarship Service in Princeton, New Jersey. The PCS form is available from the guidance office of most high schools or from the College upon request.

Application forms for scholarships or other financial aid may be secured from the Admissions Office. Applicants for financial aid must complete their application *by March 1*.

An evaluation of the Parents' Confidential Statement will determine whether or not a student qualifies for aid. Financial assistance will consist of some combination of loan, workshop, and grant.

### To Renew Financial Aid

All financial aid plans involving the College must be renewed annually. However, most academic scholarships are renewable automatically if the recipient continues to meet the scholastic and citizenship conditions outlined for each particular scholarship.

While the Director of Financial Aid is happy to assist, each student must exercise his own initiative to keep the College informed of needs and of changes in his financial resources.

Re-applications are to be filed **no later than March 1** for the coming year. Any application received after this date will be treated as a new application and the student concerned will lose any priority for continuation of aid. The Parents' Confidential Statement should be sent to the College Scholarship Service by **January 15**.

For renewal, or changes in aid plans, students should observe the following additional requirements:

(1) As a general rule, academic scholarship recipients must maintain no less than a cumulative "B" average and must exhibit evidence of good citizenship.

(2) All students receiving assistance from the College through grants-in-aid, loans, or work opportunities are to maintain at least a cumulative "C" average. Any exception must be specifically provided for in writing from the Director of Financial Aid. All students must exhibit evidence of good citizenship for continuation of a financial aid plan with the College.

(3) All students receiving assistance based upon need must report changes in financial resources, academic or citizenship problems which affect their status at the College, changes in marital status, and changes in campus or home address.

It is strongly recommended that resident students in need of financial aid avoid the additional financial burden of maintaining a motorized vehicle on campus.

# The Curriculum



**The Curriculum** Three degrees are offered by St. Andrews: Bachelor of Arts, Bachelor of Science, and Bachelor of Music. Candidates for each degree are required to complete at least 37 courses, including four winter term courses, and four terms in physical education (counting as the 37th course), with a grade-point average of 2.0 in all work attempted at St. Andrews, and a grade-point average of 2.0 in all work attempted in the major field.

**Requirements for the Bachelor of Arts Degree:**

*BASIC LIBERAL STUDIES*

Interdisciplinary Studies in World Cultures: Christianity and Culture	8 Courses
Selected Topics in Modern Science	2 Courses
Physical Education (includes swimming proficiency)	(4 terms) 1 Course
<b>TOTAL</b>	<b>11 Courses</b>
Requirements for Major*	10-15 Courses
Electives	16-11 Courses
<b>TOTAL</b>	<b>37 Courses</b>

*\* Foreign language and mathematics requirements are determined by the major program. A student presenting two units of a secondary school foreign language may choose to begin another language. If he chooses to repeat the introductory level of his secondary school language, 38 courses will be required for graduation.*

A student *may* apply for approval of his major any time after his first term at St. Andrews but *must* apply for a major before the end of his sophomore year. Transfer students accepted with junior or senior status *must apply* for a major upon acceptance as a student at St. Andrews. An applicant for major approval should secure forms from the Office of the Registrar and a copy of his transcript and submit these to the chairman of the division to which he is applying. The division will approve or not approve the application during the term in which the application is made.

The requirements in each major field are given at the beginning of the description of courses offered in that area. The additional number of courses required for graduation may be chosen

by the student in consultation with his faculty adviser, provided all necessary requirements have been met. Each student is responsible for seeing that the courses taken do meet the requirements for graduation.

Requirements for the Bachelor of Music degree are outlined at the beginning of the description of courses in that area.

The Bachelor of Science degree is awarded to those students who complete the cooperative program in medical technology, and to transfer students who complete all requirements for the St. Andrews degree except the Basic Liberal Studies.

*Major Programs:*

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American Studies	Mathematics
Biology	Mathematics and Computer Science
Business Administration	Modern Languages
Business-Chemistry	Music
Chemistry	Politics
Economics	Psychology
Education	Religion
English	Religion and Philosophy
Fine Arts (Art or Theatre)	Sociology and Anthropology
French	
History	

*Co-operative Program with other institutions:* Medical Technology

*Pre-professional* programs are also available. These include pre-law, pre-medicine, pre-dentistry and pre-ministerial programs.

## Registration

Toward the close of each term, students plan and register for their course programs for the following term in conference with their advisers. New students confer with their advisers during the orientation period. Final registration is completed on a designated registration day at the beginning of each term.

Necessary changes in registration may be made by the use of forms obtained in the Office of the Registrar. The original must be approved by the student's adviser and the professors concerned. *The change is not official until the form is returned to the Registrar.* Withdrawal from a course is regarded as a change in registration and is cared for in the manner described. *Failure in the course will be recorded for those who do not comply with the above.* A student may not expect to register in a course for full credit after the first week of the term.

### Student Program

The approved student load is four courses each fall and spring term and one course in the winter term, not including physical education or ensembles. Application for additional course work (granted only in unusual circumstances) must be made to the Dean of the College. Regularly enrolled students must carry the approved academic load. If a student's course enrollment falls below three courses, he may be asked to withdraw.

### Residence

A student must spend his senior year at St. Andrews in order to receive a degree from the College.

### System of Grading

*The system of grades is as follows:*

<i>Grade</i>	<i>Significance</i>	<i>Grade Points</i>
A	Excellent	4 grade points
B	Good	3 grade points
C	Satisfactory	2 grade points
D	Passing	1 grade point
E	Conditional Failure	0
F	Failure	0
IN	Incomplete	0
W	Withdrawn medical	0
WP	Withdrawn while passing	0
WI	Withdrawn involuntarily	0 (Due to excessive absences)
WF	Withdrawn while failing	0 (Counts as an F)

*All students who enter St. Andrews beginning in the fall term 1971, through the summer of 1972, are under requirements of this 1971-72 catalog.*

**Conditions, Incompletes, Failures, Withdrawals, and Probation**

A grade of conditional failure (E) may be removed by re-examination. This must be accomplished within the third week of the following term, unless an alternate procedure is specifically authorized by the Dean of the College. Otherwise the conditional failure becomes a failure (F).

An incomplete (IN) is given only when circumstances do not justify giving a specific grade. It must be removed within the first four weeks of the term following the one in which the incomplete was received. If not, the incomplete becomes a failure (F).

A failure (F) cannot be removed from a student's record. If the course is required for graduation or for a major, it should be repeated the next time it is offered. A course cannot be repeated without permission of the Faculty Executive Committee.

When a student withdraws from a course with the approval of his faculty adviser and is doing passing work in the course, he receives a grade of WP. A grade of WF is recorded if the student is not doing passing work. The grade W is recorded where a student withdraws for medical reasons. For fuller explanation of the grade WI, see "Class Attendance" in the Student Handbook.

Academic Probation is used to call attention to a serious academic problem. Regularly enrolled students are placed on Academic Probation for one regular term after any regular term in which their grade-point ratio (GPR) is below 1.50, and at any time their St. Andrews cumulative average (SACU) is below 1.75. Regulations governing such status are given in the Student Handbook.

A student placed on Academic Probation who fails to show marked improvement in his academic work during the following term will be asked to withdraw from St. Andrews. Any student still on Academic Probation after two successive regular terms on Academic Probation, and any student who fails all his academic courses in any regular term, is ineligible to return to St. Andrews.

**Class Attendance Regulations**

Regular class attendance is an important student obligation and a student is responsible for all the work, including tests and written work, done in all class meetings. No right or privilege exists which authorizes a student to be absent from any given number of class meetings.

Class attendance is a concern and responsibility of the student himself and of his instructor. When absences from class endanger a student's academic standing or indicate serious lack of commitment to the work of the course, appropriate action will be taken by the instructor to remedy this situation.

*No absences are permitted immediately before and after holidays. Travel arrangements should be made with this in mind.*

**Specific regulations are outlined in detail in the Student Handbook. It is the responsibility of each student to be informed on these regulations.**

### **Classification**

The classification of a student depends upon the amount of college work he has to his credit, and not upon the length of time he has been in college. Credit for college work is recorded in courses satisfactorily completed. A student is classified

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(1) As a senior upon completion of 28 courses passed with a 1.90 SACU.

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(2) As a junior upon completion of 17 courses passed with a 1.75 SACU.

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(3) As a sophomore upon completion of 8 courses passed with a 1.50 SACU.

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(4) As a freshman If the regular admission requirements have been met.

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(5) As a special student If he is not taking a degree program.

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### **Re-Admission**

To maintain satisfactory progress toward a degree, a student must pass nine courses each year and maintain a cumulative 2.00 average. He will be permitted to return, however,

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(1) For his second year, upon completion of 8 courses passed with a 1.50 SACU.

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(2) For his third year, upon completion of 17 courses passed with a 1.75 SACU.

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(3) For his fourth year, upon completion of 28 courses passed, with a 1.90 SACU, and acceptance as a major in an academic program.

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Summer term courses at St. Andrews in keeping with degree requirements will be counted in computing the required standing. Deficiencies in the Basic Liberal Studies program must be removed during the summer whenever possible. Both resident and non-resident students must complete the appropriate Residency Agreement to establish eligibility for readmission.

In keeping with the twofold purpose of the College, that of quality higher education and Christian citizenship, applicants for admission or readmission whose records of achievement and citizenship reveal questionable patterns of behavior will be denied enrollment or given an appropriate conditional status.

### **Transfer Credits**

Transfer credit from other institutions approved by the regional accrediting agency will be granted in full provided the courses taken correspond to work offered at St. Andrews Presbyterian College. For credit the courses must have been completed at the "C" level or higher. Courses in which grades of less than "C" have been earned are not normally acceptable for transfer credit.

### **Summer School**

The College conducts a summer session. Though offerings are less extensive than during the fall and spring terms, the summer curriculum does include a wide range of courses for undergraduates, teachers, and selected high school students. Regular members of St. Andrews College teaching staff and visiting professors make up the faculty of the summer school. Write to the Director of Admissions, St. Andrews Presbyterian College, Laurinburg, North Carolina, for further information.

### **Summer Work At Other Institutions**

Any student desiring to receive credit toward graduation for summer courses at another institution must have the approval of his faculty adviser and the chairman of the division in which the corresponding course is taught at St. Andrews. The institution in which work is taken must be fully accredited. Credit will be granted only for courses of college level which are also allowed toward graduation by the institution conducting the summer school. For credit the courses must be completed at the "C" level or higher. The student is responsible for requesting the institution to mail an official transcript of his summer work to the Registrar at St. Andrews as soon as the courses are completed.

### **Correspondence Work**

Full-time students may be enrolled in extension courses, correspondence courses, and evening courses for credit from other colleges or universities only if they get approval in advance from the Dean of the College.

Two academic courses taken by correspondence may be accepted by St. Andrews Presbyterian College toward meeting graduation requirements.

### **International Studies**

St. Andrews sponsors and cooperates with other institutions in making available to students courses and programs abroad in international studies. These are primarily conducted in the winter term and in the summer.

### **Special Note**

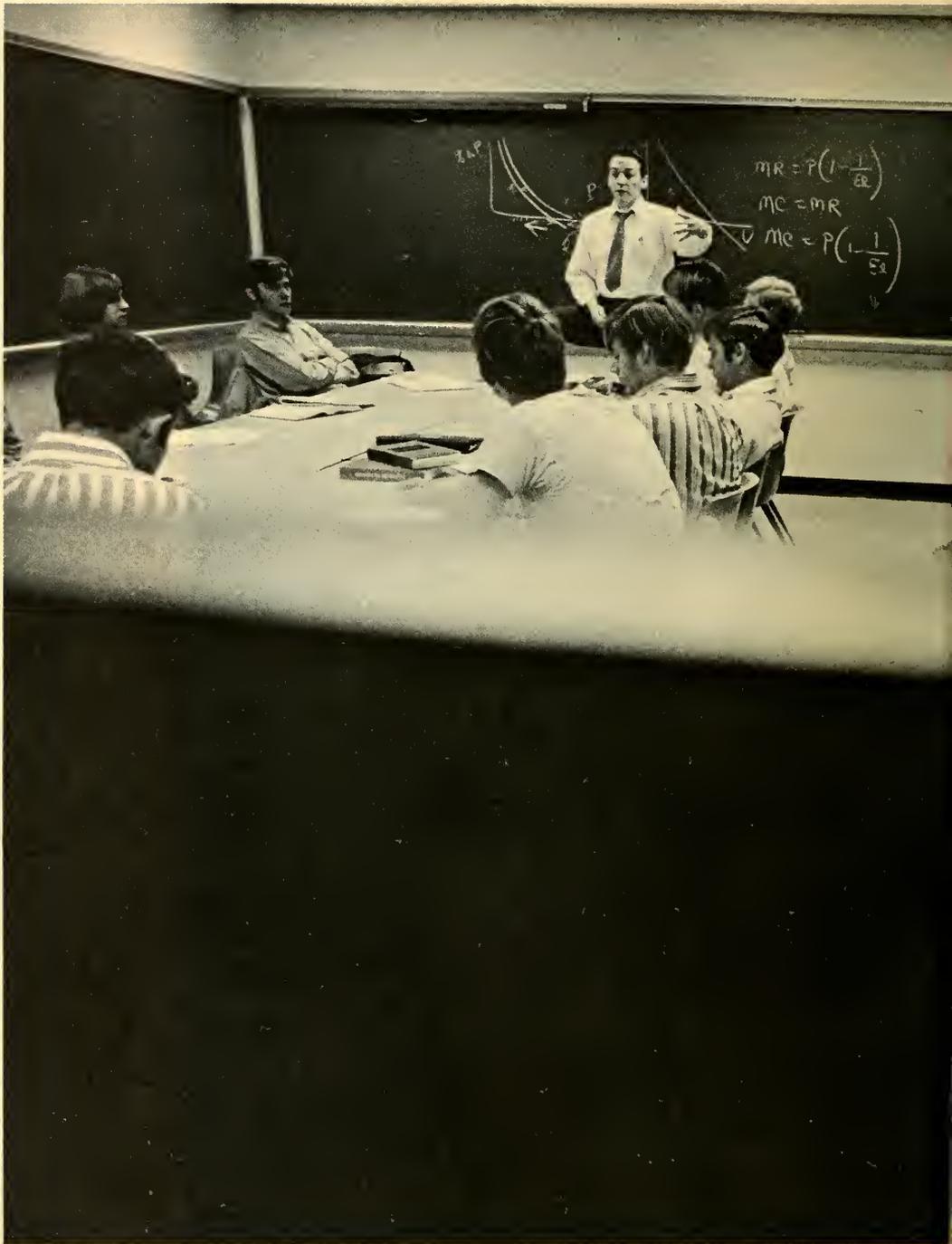
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*The College reserves the right to make changes in particular curricular requirements and offerings, in regulations, and in fees whenever such changes are deemed essential. College catalogs and bulletins are prepared to furnish prospective students and other interested persons with information about the institution. Announcements contained in such printed material are subject to change and may not be regarded as legally binding obligations.*

*When any student does not show convincing evidence of being in sympathy with the purposes, policies, and procedures of the institution, the College reserves the right to ask the student to withdraw for the welfare of the institution.*

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# Courses of Instruction



**Courses** The following pages list the academic courses to be offered in 1971-72 unless there is specific statement to the contrary. In some divisions, advanced courses are offered only in alternate years.

In general, courses numbered between 100 and 299 are designed for freshmen and sophomores, and those numbered between 300 and 499 for juniors and seniors. Odd numbers are used for courses ordinarily offered in the fall term and even numbers for those ordinarily offered in the spring term. A year course is indicated by joining the course numbers for the two terms with a hyphen, e.g., 101-102.

The requirements for majors are stated immediately preceding the list of courses offered in that program. A special three-year cooperative program in medical technology is also offered, described on page 85.

### Winter Term

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The winter term provides an opportunity for many new academic experiences which greatly enrich the traditional curriculum. During this four-week term, all the student's work is done in one area or one course to which he is expected to give his full time. In addition to many new opportunities which are available in the winter term at St. Andrews, there are also a number of appealing off-campus experiences.

The complete course offerings for the winter term are described in a separate brochure each year. These courses are designed to provide additional enrichment and opportunity for guided individual study and are not normally included as a part of the required major program. Where there are exceptions to this practice, the winter term course is listed in the departmental offerings below. Among the courses offered during the 1971 and 1972 winter terms, those listed below provide a good example of the experiences available:

### On-Campus Courses

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**Anthro. W32 Beginning Archaeology**

A general introduction to New World Archaeology. Students will participate in directed archaeological field investigations, learning excavation techniques, map reading, cataloging, and preparation of field work.

**Bus. Ad. W23 The Stock Market and Modern Investments**

An introduction to types of investment possibilities, methods of buying and selling, and market information and operation. Visiting lecturers, study of the Wall Street Jour-

nal, observation at a brokerage office and an investment game will be utilized during the course. Open to Business Majors.

**Eng. W25****African Fiction**

An exploration of the African personality through the novels and short stories of writers chiefly from West Africa and South Africa, including works by white and black authors: Alan Paton, Nadine Gordimer, Doris Lessing, Peter Abrahams, Chinua Achebe, Peter Kumalo, and others.

**Eng. W30****The Modern Japanese Novel (*in English*)**

A study of the contemporary novel through the work of Tanizaki, Kawabata, Mishima, Kobo Abe and others, this course will also include insights into Japanese attitudes through works of Ruth Benedict and Donald Richie. Open to juniors and seniors; no prerequisites.

**Art W20****The Film as an Art Form**

A study of the film as an influential contemporary medium of the visual arts. Analysis of important films, work in photography, and production of a film in which all students participate. Open to all students. Cost: \$40.00 for materials.

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**Off-Campus Courses**


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**Politics W31****Washington Seminar in Politics and Religion**

Students in this course will spend two weeks in Washington, D.C., meeting with political leaders, attending sessions of Congress, and discussing the religious and ethical implications of this. The first and last weeks of the term will be spent at St. Andrews preparing for and evaluating the Washington experience. Open to all students. Cost: \$200.00.

**Theatre W21****Introduction to the British Theatre**

The course will provide the student with a survey of the development of the English theatre from the age of Shakespeare to the present age of experimentation. About fifteen productions by such groups as the Royal Shakespeare Company, Olivier's National Theatre, James Roose-Evans' Stage Two will be seen. There will be opportunities for visits backstage, seminars with actors, directors and playwrights, and visits to museums with theatre collections. Cost: \$500.00.

**Bus. Ad. W33****The European Economic Community**

A study of the European Economic Community with visits to London, Bonn, Amsterdam, Brussels, Luxembourg, and Paris. At each of the foreign capitals seminar meetings with both U.S. and national officials are planned to discuss the specific impact of the E.E.C. on U.S. trade and the advantage and disadvantage to the individual country of E.E.C. membership. Cost: \$600.00.

Phil. W35

**Athens Seminar on the Golden Age of Greece**

A study of Fifth Century B.C. Greece intellectual history through its literature and art. The growth of rationalism will be traced from Aeschylus to Plato and Aristotle. Cultural antecedents to Periclean Athens will be explored in field trips to Delphi, Crete, and the Peloponnesus. Cost: \$600.00.

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**INTERDISCIPLINARY STUDIES IN WORLD CULTURES:  
CHRISTIANITY AND CULTURE**

*Director: Associate Professor Hix*

The World Cultures Program is a four-year, interdisciplinary general education program required of all B.A. students. Those not working for the B.A. degree take as much of this program as is possible under the requirements for their degree. This program combines studies in religion, philosophy, history, literature, art, and the social sciences. Faculty members who are both specialists in one of these disciplines and skilled in relating their area of special knowledge to the interdisciplinary theme of the program make up the teaching team for each year of the program. A carefully organized writing experience is an essential aspect of the Christianity and Culture program.

**101-102 Freshman Year — The Origins of Western Culture** **5 hpw\***

*First Term:* An examination of the Hebraic and Greek sources of our culture and their living presence in contemporary culture. A careful study is made of the Old Testament and of the great works of the Golden Age of Greece. Intensive writing projects will be based on readings from both ancient and 20th Century works. *Second Term:* A study of the contribution of Christianity and of classical Graeco-Roman culture to the development of modern Western civilization. The major characteristics and ideas of each period are brought together to determine the extent of the influence of each upon the other. The course includes writing projects of increasing complexity.

**201-202 Sophomore Year — European Culture** **5 hpw**

*First Term:* A study of the development of Western civilization from the High Middle Ages through the 18th Century Enlightenment, with special reference to the influence of Christian institutions, doctrines, and symbols upon this development. Major areas of study include the High Middle Ages, the Renaissance and Reformation, the Age of Reason and Absolutism, and the Enlightenment. These area studies will be treated from the point of view of many disciplines: e.g., history, art, philosophy, music and literature. The development of analytic skills and their effec-

\* The abbreviation "hpw" following the course title refers to the number of hours per week the course meets during a 14-week term.

tive use in writing critical essays form an important aspect of this course.

*Second Term:* A study of the important developments in Western civilization from the French Revolution into the Cold War period, continuing the chronological and disciplinary considerations of the first term. Major emphasis is placed on Romanticism and the French Revolution, the Industrial Revolution and various responses to it, the rise of nationalism, and the challenges of relativism and secularism to the traditional views of man, nature and society. An expanded use of analytic skills in writing more complex critical essays forms an important aspect of this course.

Prerequisite: Christianity and Culture 101-102.

**303-304 Junior Year — The Cultures of Africa, Asia, and Latin America 4 hpw**

A comparative study of the major cultures of Africa, Asia, and Latin America. Special emphasis is given to the social, religious, and political nature of traditional society, to the impact of Western values and institutions, and to the characteristics and problems of contemporary society in these cultures.

Prerequisite: Christianity and Culture 101-102, 201-202.

**401 Senior Year — The American Experience 4 hpw**

A study of the culture of the United States, with attention to distinctive elements in the American heritage. A major research paper is required.

Prerequisite: Christianity and Culture 101-102, 201-202.

**402 Studies in the Future 4 hpw**

An approach through problem and case studies to critical issues of the world we live in and the role of Christianity in our time. A major concern is the student's own system of values and his ability to present ideas effectively in oral and written form.

Prerequisite: Christianity and Culture 303-304.

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**SOCIAL AND BEHAVIORAL SCIENCES PROGRAM**

*Director: Associate Professor Kitchin*

The Social and Behavioral Sciences Program is a developing experiment in interdisciplinary instruction, making use of analysis and problem-solving techniques in a study of major problems in American society. The program combines studies in politics, business administration, economics, psychology, and sociology, drawing on the concepts, literature, and methodologies of all these fields. Faculty members qualified in one or more of these disciplines and skilled in relating their disciplinary expertise to the themes of the program make up the teaching team responsible for core offerings. Advanced instructional techniques and equipment constitute a feature of the program.

200

**Man in Modern Society**

4 hpw

A study of selected major societal problems confronting Americans in the final third of the 20th century, analyzed through techniques in problem analysis and decision-making drawn from the social and behavioral sciences.

To be offered initially in spring term, 1972, to freshmen and sophomores. Enrollment limited. With the permission of the chairmen of the contributing programs, students may be permitted to offer this course in lieu of an existing basic survey course in politics, business administration, economics, psychology, or sociology.

**AMERICAN STUDIES PROGRAM**

*American Studies Committee:*

*Associate Professor Joyner, History and Social Science, Director*

*Professor Bennett, Language and Literature*

*Associate Professor Hix, Religion and Philosophy*

*Assistant Professor Swart, Behavioral Sciences*

The American Studies program is an interdisciplinary major program which has as its objectives (1) an understanding of the intellectual and imaginative experience of the American people, (2) an understanding of the dynamics of American social behavior, and (3) an understanding of the relationships among the various aspects of American civilization.

Requirements for a major in American Studies: Ten courses in American studies including History 201, 202, American Studies 422, and one winter term course.

Not more than four introductory (200-level) courses may be counted toward the major, and the major courses must include work in at least three academic divisions. Courses other than those listed below may be substituted with the approval of the American Studies Committee.

**422 American Studies Senior Seminar**

Selected reading and discussions in basic concepts and approaches which have been used by scholars in American studies along with interdisciplinary research projects presented to the seminar.

Other courses from which the courses required for the major may be selected: Education 312; Economics 301, 305, 306, 318; History 201, 202, 301, 311, 331, 332, 341, 404; Politics 201, 301, 303, 312, 341, 342; English 203, 311, 312; Religion 221, 306, 402; and Philosophy 404.

**NATURAL SCIENCE****101, 102 Selected Topics in Modern Science**

7 hpw

These two courses, which must be taken in the freshman year,

fulfill the science requirements for the non-science major, and are required of all science majors. A selected number of the major concepts of the physical and biological sciences will be developed in depth using an interdisciplinary approach. The course will be taught by members of the St. Andrews science staff. Lecture-discussion: 4 hours; laboratory: 3 hours.

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## THE DIVISION OF BEHAVIORAL SCIENCES

*Chairman: Professor Alvin Smith*

### **Majors offered: Elementary and secondary education, psychology, sociology and anthropology**

The program of offerings is designed to meet the needs of students as follows:

1. The liberal arts student who wishes to take elective courses for personal enrichment and vocational exploration.
2. The liberal arts student who plans to qualify for certification to teach in either elementary or secondary public schools. (See details below.)
3. The liberal arts student who wishes a psychology or sociology major, including the necessary foundation for either pursuit of graduate study or for a terminal degree program. Electives are provided to permit pursuit of areas of particular interest in psychology or sociology.

## TEACHER EDUCATION

The Teacher Education programs described here and at other appropriate places in this catalog are approved by the North Carolina Board of Education and meet the requirements of the Department of Public Instruction for North Carolina. These programs likewise meet the undergraduate requirements for most states for initial teacher certification. The major program in Elementary Education is outlined below. The secondary level programs presently include English, French, Spanish, history, politics, economics, sociology, mathematics, biology and chemistry concentrations, and music, and are described under the respective academic divisions. Supplemental certification in physical education is described in that section. All candidates in both elementary and secondary education expecting Class A state teacher certification with a Bachelor's degree shall take a minimum of thirty-nine courses including the professional education sequence appropriate to the level of certification.

The professional education course sequence includes a summer teaching experience for which student teachers will be paid. Details on this program are contained in *A Guide to Co-op Step at St. Andrews*. All students are expected to follow the requirements for the program, which include the following:

PSYCHOLOGY 303 *Developmental Psychology*, or  
 EDUCATION 308 *Early Childhood Development*  
 EDUCATION 315 *Educational Psychology*

*Note: at least two of the above courses are to be completed prior to student teaching. One of these courses may be taken on an independent study basis.*

MATERIALS AND METHODS (to be completed prior to student teaching).

EDUCATION 420-421 *Student Teaching* (generally to be completed in summer following the Junior year).

EDUCATION 400 *Senior Seminar in Curriculum* (to be taken during the senior year).

## EDUCATION

*Professor Daughtrey;\** Assistant Professors Swart, Templeton  
 The major program in elementary education includes two emphases:

### I—Certification for Kindergarten-Grade 3 (K-3)

*Major Core Sequence:*

PHYSICAL EDUCATION 401 *Teaching Health and Physical Education*  
 EDUCATION 320 *Reading and Other Language Arts*  
 HISTORY OR POLITICS (any two courses)  
 SOCIOLOGY 204 *General Anthropology*  
 SOCIOLOGY 205 *Archaeology*  
 MATHEMATICS 207 *Real Number System*

*Adjunct Sequence:*

ART 321 *Arts and Crafts*  
 MATHEMATICS 208 *Mathematics for the Elementary School*  
 MUSIC 353 *Music for Classroom Teachers*  
 SPEECH OR ACTING (one course)  
 ENGLISH 303 *Advanced Grammar*  
 EDUCATION 319 *Literature for Children and Youth*

*Professional Education Sequence:*

EDUCATION 312 *The American School*  
 EDUCATION 308 *Early Childhood Development*  
 EDUCATION 309 *Early Childhood Education*  
 EDUCATION 315 *Educational Psychology*  
 EDUCATION 322 *Materials and Methods*  
 EDUCATION 400 *Senior Seminar in Curriculum*  
 EDUCATION 420-421 *Student Teaching*

### II—Certification for Grades 4-9

*Major Core Sequence:*

Same as for K-3 plus ART 321 or MUSIC 353.

\*On leave, fall term, 1971-72.

*Concentration Sequences: (select one)*

**LANGUAGE ARTS - SOCIAL STUDIES**

EDUCATION 319 plus three additional courses in English or Theatre; two courses in economics, politics, or sociology.

**MATHEMATICS - SCIENCE**

MATH 208 plus three additional math courses; two courses in each of two of the natural sciences.

**MINOR EMPHASIS IN PHYSICAL EDUCATION**

The appropriate number of physical education courses may be substituted as a minor emphasis in place of one of the four subject areas above: language arts, social studies, math, or science.

*Professional Education Sequence:*

Same as for K-3 except that EDUCATION 309 is omitted and EDUCATION 324 is substituted for EDUCATION 322.

**308 Early Childhood Development 4 hpw**

A study of the development needs and readiness of early childhood with particular emphasis on the four- and five-year-old and his physical, mental, emotional and social growth. Guided experiences with children and a case study of one child are expected. Credit may be applied toward kindergarten certification for those who hold elementary certification. This course is recommended for primary and elementary majors; either this or Psychology 303 is required.

**309 Early Childhood Education 4 hpw**

A study of the organization, administration, standards, equipment, program, and parent-teacher relationships of the kindergarten. Attention is given to the organization and curriculum of a state-approved program, both public and non-public supported. Field work in a weekday kindergarten is required. Credit may be applied toward kindergarten certification for those who hold elementary certification.

**311 Psychological Measurement and Appraisal 4 hpw**

A study of the various areas of psychological measurement and appraisal in the understanding of personality and behavior patterns in the individual. General and special abilities, interest and personality characteristics, as well as achievement, are investigated, and standardized tests for these topics are examined.

**312 The American School: Foundations and Issues 4 hpw**

A presentation of the historical, philosophical, and sociological foundations of the American school, together with consideration of the current trends and issues with which the future teacher should be confronted. Required for all students in teacher education programs. May be taken on an independent study basis with prior approval.

- 313 Secondary Level Materials and Methods 4 hpw**  
 Each student in a secondary level program will enroll during the junior year in this course as listed in his or her respective academic division. Consideration for the content, method and technique needed in the teaching of the major subject in the public school is undertaken. Brief teaching experiences in local public schools are a part of the course.
- 314 Introduction to Counseling 4 hpw**  
 The purposes, processes, organization and resources for guidance and counseling are considered. Special attention will be given to understanding and dealing with adjustment problems, including consideration of some case studies and a practicum in counseling techniques.
- 315 Educational Psychology 4 hpw**  
 A study of individual differences, growth and adjustment, the learning process, and basic principles of guidance and evaluation. Required for all students in teacher education programs. May be taken on an independent study basis with prior approval.
- 319 Literature for Children and Youth 4 hpw**  
 A survey of traditional and contemporary literature suitable for children in the elementary school, together with its place and significance in the integrated curriculum. Brief teaching experiences in local public schools will be a part of this course.
- 320 Reading and Other Language Arts 4 hpw**  
 A study of the development of the language arts skills, particularly reading, but including listening, speaking and writing as experienced by the elementary school child. Brief teaching experiences in local public schools will be part of this course.
- 322 Methods and Materials 4 hpw**  
 Methods and materials suitable for use in kindergarten through third grade programs. Requirement for North Carolina Early Childhood certification. For primary education majors.
- 324 Methods and Materials 4 hpw**  
 Methods and materials suitable for use in Grades 4 through 9. Requirement for North Carolina upper grade certification. For upper elementary, middle school, and junior high school majors.
- 400 Curriculum Organization, Development and Evaluation 4 hpw**  
 A combination seminar and practicum for all students in any teacher education program. This experience provides an opportunity to study in some depth the organization and operation of the public school program out of which the curricular programs should be developed and evaluated. Practical experiences in

some facet of both the public school and the college are included. Ordinarily taken as a senior year post-student teaching program.

#### **420-421 STUDENT TEACHING**

Under the direction of a qualified public school supervising teacher and the College, a full-time continuous student teaching experience is carried out. Each student will be expected to complete at least 90 hours of actual teaching. Ordinarily, student teaching will take place in the summer. This course is equivalent to six semester hours in student teaching and carries two course credits.

### **PSYCHOLOGY**

*Professor Alvin Smith; Associate Professor Thomas; Assistant Professor Posnick*

Requirements for a major: Nine courses in psychology which must include Psychology 201, 202, 303, 320, 401, 411; and Mathematics 205 or Mathematics 113. In addition competence in one foreign language is expected. (Language requirement may be met in the psychology program by selecting four courses in mathematics.)

#### **200 Human Behavior: An Introduction 3 hpw**

This course is designed to provide an introduction to the understanding of human behavior. Topics to be covered include: motivation, human adjustment, attitudes, prejudices, value patterns, personality, and personality development. The total thrust of the course will be the study of one's self and the ways one relates to his environment. (Cannot be included as fulfilling the requirements for a major in psychology.)

#### **201 Introduction to Psychology 4 hpw**

An introduction to the study of scientific psychology with an emphasis on such topics as learning, motivation, thinking, memory and pathological behavior. Two hours lecture and two hours laboratory weekly.

#### **202 General Experimental Psychology 5 hpw**

A consideration and laboratory investigation of such selected topics as behavioral assessment, measurement, perception, sensation, motivation, and experimental control. Intended primarily for students planning to major in psychology. This course may be selected by others desiring a more adequate foundation in psychology as a science. Three hours lecture and two hours laboratory weekly. Prerequisite: Psychology 201, and Mathematics 205 or 113 or its equivalent.

#### **303 Developmental Psychology 4 hpw**

An assessment of the areas of development in childhood and adolescence with special emphasis upon case materials. Experiences will be planned for observation and reporting on children at various ages in keeping with the particular concerns of the

- student. This course is required by **all** students in teacher education, except that primary level elementary majors may substitute Education 308. Interest groups will be formed around four areas: early childhood, children, adolescents, atypical persons.
- 304 Behavior Pathology 4 hpw**  
 This course is designed to investigate carefully the factors, processes and conditions which cause personality deviations (neuroses, psychoses, mental deficiencies). Also, abnormal behavior patterns are identified and appropriate therapeutic techniques are considered. Prerequisite: Psychology 201 and one additional course in psychology.
- 307 Physiological Psychology 5 hpw**  
 An introduction to the study of physiological bases and correlated human and animal behavior, including a survey of selected research areas and techniques. Prerequisites: Psychology 201 and Natural Science 101-102 or Biology 201. Two hours lecture and three hours laboratory weekly.
- 311 Psychological Measurement and Appraisal 4 hpw**  
 (See Education 311 for description.)
- 314 Introduction to Counseling 4 hpw**  
 (See Education 314 for description.)
- 320 Social Psychology 4 hpw**  
 A course dealing with those topics which are common to the fields of psychology and sociology, involving both individual and group psychological behavior. It includes a treatment of social institutions and pressures which influence prejudices, attitudes, beliefs, and propaganda. Prerequisite: Psychology 201 and Sociology 201 or consent of instructor. Offered each spring.
- 321 Experimental Psychology I — Perception 5 hpw**  
 An introduction to the principles of sensation and perception with emphasis upon psychophysical measurement, space perception and the extraction of information from the environment. Three hours lecture, two hours lab. Prerequisites: Psychology 201 and 202.
- 401 Theories of Personality 4 hpw**  
 This course involves a study of the theories and dynamics of personality development. It seeks to help the student discover those factors and processes which contribute to personality development, with particular emphasis upon the well-adjusted personality. Prerequisite: Psychology 201 and two additional courses in psychology.
- 405 Experimental Psychology II — Learning 5 hpw**  
 An analysis of basic learning problems and theories from an experimental point of view. Emphasis upon experiments in classical

and operant conditioning, verbal, motor and perceptual learning. Three hours lecture, two hours lab. Prerequisites: Psychology 201 and 202.

**406 Experimental Psychology III — Motivation 5 hpw**

An examination of various theories of motivation with emphases upon experimental findings in motivation and laboratory experience in testing some of the theories of motivation. Three hours lecture, two hours lab. Prerequisite: Psychology 201 and 202.

**411 Seminar in Psychology 4 hpw**

Class sessions emphasize the history and current trends in special areas of psychology. Field trips and brief laboratory sessions in the College Guidance Center and similar agencies will be planned. An emphasis on independent study characterizes this program. Prerequisite: Psychology 401 and approval of instructor. Offered each spring.

*Junior and Senior Honors Courses*

**Junior Honors in Psychology Winter Term**

An investigation of research literature in psychology. Admission by nomination only.

**Senior Honors in Psychology Winter Term**

A research investigation of a psychological topic. Admission by nomination only.

**SOCIOLOGY AND ANTHROPOLOGY**

*Associate Professors Kitchin, McLean\*, Marks; Assistant Professor Johnson*

Requirements for a major in sociology and anthropology: Ten courses in sociology and anthropology including Anthropology 204, Sociology 201, 321, and 421; and competence in one foreign language. (Language requirement may be met in the sociology program by selecting four courses in mathematics.) The pattern of all elective courses will be determined in consultation with the faculty adviser. Sociology and anthropology is an approved major for teacher certification at the secondary level.

**201 General Sociology 3 hpw**

A study of human society with emphasis on groups, institutions, social classes, social processes, and ways of thinking and living associated with group activity.

**204 General Anthropology 3 hpw**

An introduction to general anthropology, the science of man. Topics considered: the emergence of man, the prehistoric development of culture, primitive societies, the dynamics of culture, and the universal aspects of culture.

\*On leave, fall term, 1971-72.

<b>205</b>	<b>Archaeology</b>	<b>3 hpw</b>
	A survey of the cultures of the Indians of North America, including the languages and arts, the social, economic, and religious life, and the ecology of representative North American Indian tribes. Classroom work is augmented by site excavations and geological study. (This course, with Anthropology 204 or 206, will complete the requirements for North Carolina State Education for Geo-Earth Study.)	
<b>206</b>	<b>Comparative Ethnology</b>	<b>3 hpw</b>
	A study of the cultural configurations of non-literate peoples of aboriginal America, Asia, Oceania, and Africa.	
<b>309</b>	<b>Contemporary Social Problems</b>	<b>4 hpw</b>
	A study of the explanations for social change and of ways divergent values create social problems. The major areas of tension within which contemporary and social problems arise are given particular attention.	
<b>310</b>	<b>Introduction to Social Work</b>	<b>4 hpw</b>
	A study of the field of social work: the development of work concepts and philosophy, the types of social agencies, the role of the modern social worker and of the institutional framework within which he functions. Prerequisite: Sociology 201.	
<b>311</b>	<b>Marriage and Family Life</b>	<b>4 hpw</b>
	A study of the development of these two social institutions with consideration given to such problems as woman's position, courtship, marital adjustments, safeguarding the marriage relationship, divorce, and social changes affecting the family.	
<b>320</b>	<b>Social Psychology</b>	<b>4 hpw</b>
	A course dealing with those topics which are common to the fields of psychology and sociology, involving both individual and group psychological behavior. It includes a treatment of social institutions and pressures which influence prejudices, attitudes, beliefs, and propaganda. (Offered also as Psychology 320.) Prerequisite: Psychology 201 and Sociology 201 or consent of instructor.	
<b>321</b>	<b>Research Methods in Sociology and Anthropology</b>	<b>4 hpw</b>
	An introduction to methods of research in the social sciences, including the formulation of problems, research design, sampling techniques, and the collection and analysis of data. Prerequisite: Sociology 201 and Mathematics 205.	
<b>W40</b>	<b>Field Observation and Social Work Agencies</b>	<b>Winter Term</b>
	A field course in which students visit various kinds of social work agencies under the supervision of trained social workers to observe and experience as many kinds of social service work as time and facilities will permit. Seminars and discussions will	

be organized with experts in the field of social work. One or more papers will be required. Prerequisite: Sociology 310 and consent of the instructor.

- 332 Social Work Methods 4 hpw**  
 A course designed to present wide-range knowledge of methods in the three major types of social work practice: social case work, group work, and community organization. Through the use of case materials the students should learn to apply theory and methods to the actual types of situations. On occasion, professional social workers who can illustrate the different work techniques will be invited to the class. Prerequisite: Sociology 310 and consent of the instructor.
- 401 Culture and Personality (Anthropology) 3 hpw**  
 A survey of methods and problems in studying the personality features characteristic of non-literate tribes around the world. Mutual relationships between culture and the individual are explored.
- 403 American Social Structure 4 hpw**  
 An analysis of social organization in the United States with reference to cultural norms, social stratification, and the inter-relations of social institutions. Emphasis will be placed on new trends, such as the accelerating rate of social change, the assimilation to a new status of Hawaii and Alaska, and the increasing complexity of our relations with other countries. Prerequisite: Sociology 201.
- 404 The Community 4 hpw**  
 A qualitative study of community life today and of the changing role of the local community in the larger society. The patterns of social interaction found in rural, urban, and metropolitan communities are analyzed. Prerequisite: Sociology 201.
- 405 Population 4 hpw**  
 An analysis of population from the standpoint of theories, dynamics, composition, fertility, mortality, migration, and its significant economic and social aspects. Prerequisite: Sociology 201.
- 421 Sociological Theory 4 hpw**  
 A survey of the development of social thought and an analysis of contemporary social theories. The course will emphasize directed study and a seminar type of research. Prerequisite: Sociology 201.

## PHYSICAL EDUCATION, HEALTH EDUCATION AND RECREATION

*Director: Associate Professor Hackney\**

*Assistant Professors Whiteley, Williams; Mr. Griffin, Mr. Kinne*

The program of Physical and Health Education is five-fold in purpose. The first is that of physical activity and includes physical fitness. This is a service program designed to promote the physical well-being of freshman and sophomore students. It includes a variety of activities designed to promote interest in planned leisure-time programs as well as to provide the opportunity to develop fundamental motor skills. This program is required of freshman and sophomore students for graduation. The other areas include the Intramural Sports Program, the Intercollegiate Program, the Professional Teacher Training Program, and the Health and Hygiene Program.

A thorough physical examination is required of each student before entrance. On the basis of this examination advice is given each individual as to the kind and amount of exercise needed.

During the first week of school, a swimming test and a physical fitness classification test will be given to each freshman and transfer student to determine fitness in these areas.

Students failing the swimming test will be enrolled in the beginner swimming program. All students must be able to pass the basic swimming requirements before graduation.

### PROFESSIONAL TEACHER TRAINING PROGRAM

The Physical Education and Health Program offers a six-course sequence for students interested in coaching on the high school or junior college level. This program at the present time is taken along with the courses required in education for secondary teachers and the major emphasis area. This program enables a student to teach a subject area and to coach in North Carolina. Students interested in this program should contact the physical education staff as soon as possible in order to set up a program of study. Approval is required to take a minor in physical education.

### THE REQUIRED PHYSICAL EDUCATION PROGRAM

Every student in the College who is a candidate for a degree must complete successfully four terms of physical education which constitute one full course. All students are required to take one 100-level course and two 200- or 300-level courses. The fourth course can be at any level. Full course credit is given only when all four terms are completed.

#### 101 Beginning Swimming

2 hpw

Upon entrance into the school all freshmen or transfer students must take a basic swimming test. If that test is failed, the student is automatically registered for this class. Fall and spring terms.

\* On leave, 1971-72.

<b>103</b>	<b>Adaptive Physical Education</b>		<b>2 hpw</b>
	In cooperation with a physical therapist and the physical education staff, a student with limited physical ability is placed in the adaptive program, and whenever possible, in some phase of the normal program. This course may be repeated by physically limited students to complete the one course requirement for graduation. Fall and spring terms.		
<b>110-115</b>	<b>Open to Men Only</b>		
110	Touch Football—Soccer	Fall term	2 hpw
111	Tumbling—Gymnastics	Fall term	2 hpw
112	Handball	Fall and spring terms	2 hpw
113	Paddleball—Squash	Spring term	2 hpw
114	Conditioning and Development	Fall and spring terms	2 hpw
115	Weight Training	Fall and spring terms	2 hpw
<b>120-126</b>	<b>Open to Women Only</b>		
120	Field Hockey—Volleyball	Fall term	2 hpw
122	Tumbling—Gymnastics	Fall term	2 hpw
123	Paddleball	Fall and spring terms	2 hpw
124	Modern Dance	Spring term	2 hpw
125	Body Mechanics/Conditioning	Spring term	2 hpw
126	Self Defense for Women	Spring term	2 hpw
<b>201-207</b>	<b>Coeducational</b>		
201	Recreational Games—Bowling, Billiards, Table Tennis	Fall and spring terms	2 hpw
202	Badminton—Archery	Spring term	2 hpw
203	Beginning Golf	Fall term	2 hpw
204	Volleyball—Angling	Spring term	2 hpw
205	Beginning Tennis	Fall and spring terms	2 hpw
207	Intermediate Swimming and Junior Life Saving	Fall term	2 hpw
<b>301-309</b>	<b>Coeducational Unless Otherwise Specified</b>		
301	Advanced Bowling	Fall and spring terms	2 hpw
302	Advanced Tennis	Fall and spring terms	2 hpw
303	Advanced Golf	Fall and spring terms	2 hpw
304	Advanced Tumbling and Gymnastics	Spring term	2 hpw
305	Folk Dance	Fall term	2 hpw
306	Senior Life Saving	Spring term	2 hpw
307	Water Safety Instruction	Spring term	2 hpw
308	Advanced Badminton	Spring term	2 hpw
309	Squash (women only)	Fall and spring terms	2 hpw

## THEORY COURSES

<b>210</b>	<b>Personal and Community Hygiene</b>	<b>3 hpw</b>
	A study of health facts and basic attitudes toward health practices fundamental to wholesome living for the college student. Recommended for all students.	

- 211 Introduction, History and Principles of Physical Education, Health Education, and Recreation 3 hpw**  
 An orientation to the field of physical education, health education, and recreation. Basic principles of modern physical education and historical background, stressing aims and objectives. Required for physical education minor.
- 214 First Aid and Safety Education 3 hpw**  
 A course concerning first aid methods for the home, school and community and instruction on the care and treatment of injuries. Successful completion of this course qualifies the student for the American Red Cross First Aid Certificate. Recommended for elementary and secondary majors. Required for physical education minor.
- 215 Officiating in Major and Minor Sports 3 hpw**  
 A study of the rules and the mechanics of officiating in sports for men and women with secondary emphasis placed on those minor sports usually included in the secondary school program. Those interested in acquiring a rating in the different sports may contact the instructor.
- 310 Organization and Administration 4 hpw**  
 A course dealing with the policies and problems of organization and administration of Health and Physical Education programs in schools. It includes program construction in physical education, plant facilities, scheduling load, instruction evaluation, and financing of the program. Required for physical education minor.
- 311 Tests and Measurements 4 hpw**  
 A course designed to inform the student in construction and effective use of written and skills tests. Emphasis on how to compute and use the results of the test. Recommended for physical education minor.
- 312 Team Sports: Skills and Techniques 4 hpw**  
 A detailed study of methods, materials, and techniques of teaching team sports. Required for physical education minor.
- 313 Individual and Dual Sports: Skills and Techniques 4 hpw**  
 A detailed study of methods, materials and techniques used in the teaching of individual and dual sports. Required for physical education minor.
- 401 Teaching Health Education and Physical Education in the Elementary Schools 4 hpw**  
 Principles, practices, and procedures in health education and physical education activities for the elementary school including organizing and conducting such a program. Methods and materials in group games of low organization. Required of all elementary education majors and for physical education minor.

**W44 Community Recreation and Intramural Activities Winter Term**

A course dealing with problems of organization and administration of a program of activities for schools, colleges, churches and community recreational programs. Recommended to students going into the field of education and church work.

**THE VARSITY PROGRAM**

The athletic program at St. Andrews is approved by and has full membership in the National Association of Intercollegiate Athletics (NAIA), District 29.

St. Andrews is a charter member of the Dixie Intercollegiate Athletic Conference (DIAC)—an athletic conference whose members do not award athletic scholarships.

Currently nine varsity sports are offered to our male students:

Fall—cross country, soccer

Winter—wrestling, bowling, basketball

Spring—tennis, golf, track, baseball

The women's intercollegiate sports program includes at present a basketball team, with competition in volleyball, field hockey, tennis, gymnastics and swimming expected in the near future.

**THE DIVISION OF HISTORY AND SOCIAL SCIENCE**

*Chairman: Associate Professor Fulcher*

**Majors offered: History, politics, economics, business administration, and business-chemistry.**

Requirements for majors are listed with the appropriate course offerings with the exception of the business-chemistry major which is an interdisciplinary program with course offerings listed under the participating major programs. (See pages 68-70, 87-90.)

North Carolina teacher certification is available with majors in history, politics, and economics. Certification in social studies is available by taking a history major and Politics 201, Sociology 201, 205, and Economics 207, 208. Education courses that must be combined with the academic major in these programs are listed under the Division of Behavioral Sciences.

Students may be permitted to substitute Social and Behavioral Sciences 200 for an introductory course in politics, business administration, or economics at the discretion of the appropriate program chairman.

Students working for a major in American studies may elect appropriate courses in the Division of History and Social Science. (See American studies program, page 54.)

**SOCIAL SCIENCE**

- 313 Materials and Methods in the Teaching of High School History and Social Studies 4 hpw**  
 This course is designed for those students seeking North Carolina teacher certification at the secondary level. Consideration for the content, method and technique needed in the teaching of high school history and social studies is undertaken. Brief teaching experience in local public schools is a part of the course. Credit for this course does not apply toward a major in the division. (See Education 313.)

**BUSINESS ADMINISTRATION**

*Associate Professors Holmes, McIntyre, Wade*

Requirements for a major in business administration: Eleven courses in business administration and economics, including Business Administration 209, 210, and 422; Economics 207, 208, and 303; and one winter term course. Finite mathematics and statistics are also required for the major.

- 200 Introduction to Business 3 hpw**  
 An introduction and orientation to business as a social activity. This course provides an understanding of business and its environment, the activities business men perform and why they are performed. The application of the behavioral sciences by management is stressed. (Does not apply toward a major.)
- 209 Financial Accounting 3 hpw**  
 A conceptual approach to financial accounting with emphasis on the corporate form of business.
- 210 Managerial Accounting 3 hpw**  
 Emphasis is placed upon those accounting tools which are of primary importance in decision making. Methodology found in current practice is stressed. Prerequisite: Business Administration 209.
- 312 Marketing 4 hpw**  
 A functional analysis of marketing and its importance as an economic activity. Current and potential institutions through which marketing is carried on are studied. Additional managerial orientation is provided through case studies and decision-making practice.
- 314 Consumer Problems 4 hpw**  
 A study of the consumer in the American economy and the factors which affect his choices and help him to get maximum satisfaction by wise planning of his family finances.

- 315 Business Law 4 hpw**  
 A study of the fundamental nature of law, and laws that determine the rights and liabilities of persons taking part in business transactions. Areas covered include contracts, employment and agency, commercial paper, sales, and government-business relations.
- 317 Organizational Management 4 hpw**  
 A broad survey course which examines the central framework of business management, its environment and the personal characteristics, knowledge, and skills of the manager. Attention is given to behavioral and environmental as well as technical and functional details of such activities as planning, motivating, directing, delegating, and controlling business organization, human relations, and communications.
- 318 Government and Business 4 hpw**  
 Changing relations between government and business and their effects on industrial efficiency, economic growth, and social welfare. (Offered also as Politics 318 and Economics 318.)
- 402 Principles of Taxation 4 hpw**  
 A study of the major provisions of the Internal Revenue Code, its rationale, and the way it actually functions. Prerequisite: Business Administration 209.
- 408 Development and Management of Human Resources 4 hpw**  
 Covers all areas of recruitment, placement, training, and development of lower-skilled and managerial personnel with emphasis on current problems.
- 410 Management of Promotion 4 hpw**  
 An interdisciplinary approach to the communication processes of advertising and selling. The fields of sociology, psychology, anthropology, and history provide the basis for developing the "why" approach to advertising, selling, and public relations policy.
- 419 Quantitative Analysis 4 hpw**  
 A survey of the mathematical techniques necessary for modern management. Topics include inventory analysis, game theory, linear programming, and optimization techniques. (Offered also as Economics 419.)
- 422 Seminar in Business Administration 4 hpw**  
 Individual readings and research in a particular area of business with documentation required.

**190, 290 Special Studies in Business Administration**  
**390, 490**

This course, initiated by the professor, provides opportunity for small classes to do intensive study and research in some special field of Business Administration under faculty direction. The level of work will be indicated by the course number.

**199, 299 Guided Independent Study in Business Administration  
399, 499**

This course, initiated by the student, provides opportunity for independent study on a special project. The project must be submitted to the division on the proper forms for approval. The level of work will be indicated by the course number.

**BUSINESS - CHEMISTRY**

Requirement for a major in business administration, economics, and chemistry: Four courses in business administration, four courses in economics, four courses in chemistry, including Business Administration 209 and 210, Economics 302 and 303, Chemistry 201, 202, and 303, and a winter term course in one of the three areas. Mathematics 121 and 205 are also required. Electives will be chosen with the advice of major professors.

**ECONOMICS**

*Associate Professor Wade; Mr. Murray*

Requirements for a major in economics: Nine courses in economics including Economics 207, 208, 303, and 422; one winter term course; and at least two courses in business administration which must include Business Administration 209, 210. Mathematics 113, 114, and 205 are also required.

- |                 |   |              |
|-----------------|---|--------------|
| <b>207, 208</b> | <b>Principles of Economics</b>  | <b>3 hpw</b> |
|                 | A survey of our economic system, production, exchange, distribution, and consumption of wealth, business cycles, and other economic problems.   |              |
| <b>301</b>      | <b>Economic History of the United States</b>  | <b>4 hpw</b> |
|                 | The development of American economic institutions, the growth and changes in economic forces, and contemporary economic problems. (Also offered as History 301.)  |              |
| <b>302</b>      | <b>Economic Philosophy: The Development of Economic Thought</b>   | <b>4 hpw</b> |
|                 | A survey of the development of economic analysis from Mercantilism to the Post-Keynesian era. Emphasis will be placed on Smith, Ricardo, and the British Classical School: Jevons, Marshall, and the development of Marginalism; Austrian Capital Theory, and the Neoclassical theory of money, interest, and prices. |              |
| <b>303</b>      | <b>Intermediate Economic Theory (Microeconomics)</b>  | <b>4 hpw</b> |
|                 | An examination of the economic principles and theory underlying value and distribution. Application will be made of these principles particularly to the problems of perfect and imperfect competition.   |              |

- 304 Income and Employment (Macroeconomics) 4 hpw**  
The economic forces and factors determining the level of income and employment in a political economy are presented and evaluated. Emphasis on the role of government in maintaining a high level of employment and purchasing power is stressed.
- 305 Labor Economics 4 hpw**  
A survey of the economic role of workers as organized by management in the work process, and as organized by unions in the representation process. An analysis of labor organization, the principal forces at work in the U.S. labor markets and the economic issues raised by their interaction.
- 306 Money and Banking 4 hpw**  
This course analyzes the functioning of the monetary and financial system of the U.S., emphasizing its effect on economic welfare. Historical and institutional aspects and monetary theory are covered. The effects of monetary and fiscal policy on our economic activity are studied.
- 308 International Trade 4 hpw**  
A study of the international movements of goods and an examination of the payments systems. Attention is given to economic geography and factors such as world resources which influence economic development and international trade. Primary focus is on the composition and directions of international trade and on the application of economic theory to the international arena.
- 315 Economics of Growth and Development 4 hpw**  
Analysis of the forces inhibiting economic growth in underdeveloped countries. Course includes discussion of growth models, theories of growth, development planning, economics of foreign aid, and the role of technological progress.
- 318 Government and Business 4 hpw**  
Changing relations between government and business and their effects on industrial efficiency, economic growth, and social welfare. (Offered also as Business Administration 318 and Politics 318.)
- 406 Comparative Economic Systems 4 hpw**  
An objective examination of the theory and practices of the principal economic systems in the world today. Aspects of socialism as applied in various economies, the degrees of communism practiced in different societies, and the trends of capitalism in the United States are studied.
- 408 Public Finance 4 hpw**  
Principles and problems of taxation, expenditure, and debt management of federal, state, and local governments. The effects of governmental budgetary policy on resource allocation, income distribution, economic stability, and growth will be examined.

- 419 Quantitative Analysis** **4 hpw**  
 A survey of the mathematical techniques necessary for modern management. Topics include inventory analysis, game theory, linear programming, and optimization techniques. (Offered also as Business Administration 419.)
- 422 Seminar in Economics** **4 hpw**  
 The seminar is basically a research undertaking requiring extensive reading, discussion, and writing on an announced topic. A thesis related to the general topic is to be developed under the supervision of the instructor.
- 190, 290 Special Studies in Economics**  
**390, 490**  
 This course, initiated by the professor, provides opportunity for small classes to do intensive study and research in some special field of economics under faculty direction. The level of work will be indicated by the course number.
- 199, 299 Guided Independent Study in Economics**  
**399, 499**  
 This course, initiated by the student, provides opportunity for independent study on a special project. The project must be submitted to the division on the proper forms for approval. The level of work will be indicated by the course number.

## HISTORY

*Professors Arnold, Harvin\**; *Associate Professors Fulcher, Joyner, Melton*

Requirements for a major in history: Nine courses in history including History 201, 202 and 422 and one winter term course. (This requirement is in addition to the Christianity and Culture program.) Additional courses in the social sciences and foreign languages are recommended as electives. History majors anticipating advanced study are strongly urged to develop a proficiency in French and German to satisfy foreign language requirements in graduate school.

Courses will not carry prerequisites except that those courses numbered at the 300 and 400 levels are restricted to juniors and seniors or by permission of the instructor.

- 101 Western Civilization (Ancient History)**  
 A study of the foundations of Western civilization in the Ancient Near East, Greece, and Rome. (Offered only as a component of Christianity and Culture 101-102.)
- 102 Western Civilization (Medieval and Modern History)**  
 A study of the development of Western civilization from the Middle Ages to World War II. (Offered only as a component of Christianity and Culture 201-202.)

\*On leave, fall term, 1971-72.

- 201, 202 American Civilization** **3 hpw**  
A study of American civilization from the discovery of the New World to the present, with emphasis upon political, social, intellectual, and cultural history.
- 203 Modern Europe** **3 hpw**  
A history of the origins of contemporary Europe with emphasis on social, political, and economic developments since the Renaissance and Reformation.
- 204 Modern Asia** **3 hpw**  
The political history of Asia in the modern period with emphasis on responses to the West, such as passive resistance in India, militarism in Japan, and revolution in China.
- 301 Economic History of the United States** **4 hpw**  
The development of American economic institutions, the growth and changes in economic forces, and contemporary economic problems. (Also offered as Economics 301.)
- 311 Early American Culture** **4 hpw**  
A selective study of ideas and institutions in the formation of early American culture. Representatives from such cultural movements as American Puritanism, the Great Awakening, and the Enlightenment and the Revolution, are considered from both original writings and interpretative literature.
- 331 The New South** **4 hpw**  
Studies in the politics, society, and culture of the Southern United States since Reconstruction.
- 332 The Negro in American History** **4 hpw**  
Studies in the history of black Americans from the African slave trade to the present, with particular attention to the problems of slavery and segregation.
- 341 Diplomatic History of the United States** **4 hpw**  
American relations with foreign nations from 1775 to the present. (Also offered as Politics 341.)
- 349 Europe in the Enlightenment** **4 hpw**  
The intellectual history of Europe during the seventeenth and eighteenth centuries with emphasis upon the English Enlightenment and including representative cultural movements.
- 351 Europe in the Nineteenth Century** **4 hpw**  
A study of Europe in the nineteenth century with emphasis on political, social, economic, and intellectual currents.
- 353 The Age of the French Revolution** **4 hpw**  
A study of continental Europe between 1715 and 1815 with emphasis on the decline of the Old Regime, the crisis of the French Revolution, and the reorganization of Europe under Napoleon and the Congress of Vienna.

- 361 British Constitutional History 4 hpw**  
 A study of the development of the political system of Great Britain, its institutions, law, and processes. (Also offered as Politics 361.)
- 371 Soviet Russia 4 hpw**  
 A study in depth of the Russian Revolution of 1917 and the evolving Communist state, dealing with both the internal development of the Soviet state and its foreign relations.
- 403 Twentieth Century Europe 4 hpw**  
 A study of European affairs since World War I, with emphasis on the rise of totalitarian regimes, the breakdown of international order and stability in the 1930's, the crisis of World War II, and the emergence of a new balance of power in the post-war era.
- 404 Twentieth Century America 4 hpw**  
 Studies in American history in the 20th century with emphasis on domestic political, social, and economic problems and the growing involvement of the United States in world affairs.
- 422 Senior Seminar in History 4 hpw**  
 Selected readings and discussions in historiography and philosophy of history, along with individual research projects and class critiques. Offered every spring.
- 190, 290 Special Studies in History**  
**390, 490**  
 This course, initiated by the professor, provides opportunity for small classes to do intensive study and research in some special field of history under faculty direction. The level of work will be indicated by the course number.
- 199, 299 Guided Independent Study in History**  
**399, 499**  
 This course, initiated by the student, provides opportunity for independent study on a special project. The project must be submitted to the division on the proper forms for approval. The level of work will be indicated by the course number.

**POLITICS**

*Professor Harvin\**; Assistant Professors *Bushoven, Fouke, Schulz*

Requirements for a major in politics: nine courses in politics including Politics 201 and 422 and one winter term course. Mathematics 113 is also required, and either (a) two additional terms of mathematics, normally Mathematics 114 and 205, or (b) a reading knowledge of any modern language, preferably French or German.

\*On leave, fall term, 1971-72.

Courses in politics will not carry prerequisites except that courses numbered on the 300 and 400 levels are restricted to juniors and seniors or by permission of the instructor.

- 201 Introduction to American Politics 3 hpw**  
 A study of the theory and practice of American national government, including analysis of the functions of major national political institutions, their relationships to state governments, the legislative process, and the role of the courts.
- 211 Introduction to International Politics 3 hpw**  
 An introduction to the political relations of nations, including important theories of analysis, problems of power, foreign policy formulation and implementation, and functions of international organizations and law, as exemplified by major problem situations.
- 231 Introduction to Law 3 hpw**  
 A general introductory survey of public law and its function in a changing society. Areas studied include judicial process, judicial behavior, state and local law, the emerging role of international law, and the relation between law and philosophy.
- 252 Introduction of Comparative Government 3 hpw**  
 A comparative study of different types and combinations of political systems—such as authoritarian, democratic, and developing—including an introduction to theories of comparative political analysis with primary focus on European nations.
- 301 American Political Parties and Interest Groups 4 hpw**  
 A study of the structure and roles of political parties and interest groups in the American political process.
- 303 Urban Politics 4 hpw**  
 Analysis of contemporary urban problems and politics including examination of basic relations of state and local government.
- 312 American Constitutional Law 4 hpw**  
 An analysis of the Constitution of the United States and its development through case law. Analytical and critical studies of major constitutional law cases and categories, such as judicial review, federalism, civil and political rights, due process, and equal protection.
- 318 Government and Business 4 hpw**  
 Changing relations between government and business and their effects on industrial efficiency, economic growth, and social welfare. (Offered also as Business 318 and Economics 318.)
- 321 Western Political Thought: Classical to Modern 4 hpw**  
 A study of the classics in Western political thought from Plato to Hobbes, with special emphasis on their relationship to contemporary political theorists.

- 322 Western Political Thought: Modern and Contemporary 4 hpw**  
 A study of the classics in Western political thought from Hobbes to Easton.
- 323 Marxian Political Analysis 4 hpw**  
 Grounding in the basic texts, Marx to Mao, and basic concepts. Analysis of contemporary national and international politics from a Marxist perspective.
- 331 International Organizations 4 hpw**  
 A study of the effects of trans-national groupings on national and international politics, including the United Nations, regional political and military alliances, and economic unions.
- 341 Diplomatic History of the United States 4 hpw**  
 American relations with foreign nations from 1775 to the present. (Also offered as History 341.)
- 342 Foreign Policy Processes 4 hpw**  
 Detailed study of the governmental machinery and external influences on the formulation and implementation of foreign policy.
- 352 Asian Political Processes 4 hpw**  
 Comparative study of the political systems of selected Asian nations, including an introduction to theories of political development.
- 353 African Political Processes 4 hpw**  
 Comparative study of the political systems of selected African nations, including an introduction to theories of political development.
- 361 British Constitutional History 4 hpw**  
 A study of the development of the political systems of Great Britain, its institutions, law, and processes. (Also offered as History 361.)
- 422 Senior Seminar in Politics**  
 A program of directed study for advanced students providing an opportunity for reading and research on topics of special interest in the field of political science and including group discussions on topics of current concern. For history and politics majors only.
- 190, 290 Special Studies in Politics**  
**390, 490**

This course, initiated by the professor, provides opportunity for small classes to do intensive study and research in some special field of politics under faculty direction. The level of work will be indicated by the course number.

**199, 299 Guided Independent Study in Politics**  
**399, 499**

This course, initiated by the student, provides opportunity for independent study on a special project. The project must be submitted to the division on the proper forms for approval. The level of work will be indicated by the course number.

**THE DIVISION OF LANGUAGE AND LITERATURE**

*Chairman: Professor White*

**Majors offered: English, French, and Modern Languages.**

**Major in English**

The English major is intended to provide a concentration in humane learning that is an end in itself. It prepares students for entry into graduate studies in English and also for admission to professional studies in law, social services, and theology. When the necessary sciences are also studied it prepares students for admission to schools of medicine and dentistry. Many governmental and business agencies desire English majors for training for executive and other particular vocations. In the event a student elects the prescribed courses, an English major leads to teacher certification.

English majors are encouraged to choose elective studies from the fine arts, from religion and philosophy, and other humanities areas, and from history and the social sciences. All electives will be chosen in consultation with the major adviser.

English majors will select at least two of the 200-level English courses, usually in the freshman or sophomore year. No more than two of these courses may be counted for credit on the major, and these will be prerequisite to other courses in the major. Each major will normally take in sequence four "core" courses: English 301 and 302 in his junior year; and English 401 and 402 in his senior year. In addition to these, each major will elect at least four other English courses of his own choice from the 300-400 level curriculum.

English majors are required to show competence in one foreign language. English majors considering graduate study should meet their language requirement in either German or French, and should give at least one year of study to the other. English majors seeking certification for teaching in North Carolina are required to take English 303.

**ENGLISH**

*Professors Bennett, White; Associate Professor Bayes; Assistant Professors Gross, Jones, Grace White*

- 105      Composition and World Literature (Greek and Roman)**  
 Major works of literature from Greek and Roman writers studied in translation. Attention will be given to developing critical writing skills. (Offered only as a component of Christianity and Culture 101-102.)
- 106      Composition and World Literature (Medieval and Modern)**  
 Major works of European literature from the Medieval and Modern periods studied in translation. Successful completion of this course satisfies the writing proficiency requirement. (Offered only as a component of Christianity and Culture 201-202.)
- 201      Modern Poetry      3 hpw**  
 A critical study of a wide selection of poetry drawn from the English and American traditions of the modern era.
- 202      Modern Prose Fiction      3 hpw**  
 A critical study of a wide selection of short prose fiction in English drawn from modern western European and American traditions.
- 203      Afro-American Literature      3 hpw**  
 The mind and spirit of the American Negro as expressed in his literary art. Works by 20th century black Americans such as W. E. B. DuBois, James Weldon Johnson, Claude McKay, Jean Toomer, Langston Hughes, Richard Wright, Ralph Ellison, James Baldwin, Melvin B. Tolson, Gwendolyn Brooks, LeRoi Jones, and Don L. Lee.
- 204      Modern Drama      3 hpw**  
 A critical study of a wide selection of dramatic literature in English drawn from modern western European and American traditions.
- 301      Shakespeare      3 hpw**  
 Selected histories, comedies, and tragedies.  
 Prerequisite: Junior standing or consent of instructor.
- 302      Chaucer      3 hpw**  
 A detailed examination of *The Canterbury Tales* in the context of medieval aesthetics and literary forms. Language tapes will be used extensively to introduce the student to the sounds and structure of Chaucer's language.  
 Prerequisite: English 301 or consent of instructor.

- 303      Advanced Grammar      3 hpw**  
An introduction to the nature of language, with emphasis on modern approaches to the structure and development of English. Particular emphasis will be placed on the problems of transformational grammar.  
Prerequisite: Junior standing or consent of instructor.
- 308      Victorian Literature      3 hpw**  
A study of the major poets and essayists of Victorian England.  
Prerequisite: Junior standing or consent of instructor.
- 309      Modern Novel      3 hpw**  
A study of representative novels of the 20th century. Reading and analysis of novels by Lagerkvist, Gide, Mauriac, Camus, Bernanos, Silone, Paton, Unamuno, and Greene.  
Prerequisite: Junior standing or consent of instructor.
- 310      Modern British and American Poetry      3 hpw**  
Readings from a wide selection of modern British and American poets. Special attention will be given to Gerard Manley Hopkins, William Butler Yeats, Robert Frost, T. S. Eliot, Ezra Pound, William Carlos Williams.  
Prerequisite: Junior standing or consent of instructor.
- 311      American Renaissance      3 hpw**  
A study of the literature of the American Renaissance, with particular emphasis on Emerson, Thoreau, Whitman, Hawthorne, Melville, and Mark Twain.  
Prerequisite: Junior standing or consent of instructor.
- 312      American Fiction of the 20th Century      3 hpw**  
A study of representative American fiction of the 20th century. Reading and analysis of novels by such writers as Norris, Dreiser, Lewis, Hemingway, Faulkner, Dos Passos, Steinbeck, Wright, Warren, Bellow, and Malamud.  
Prerequisite: Junior standing or consent of instructor.
- 313      The Art of Teaching English      3 hpw**  
A study of the art and methodology of teaching English literature and language, including brief teaching experience in a secondary school. Not offered for credit toward the English major. Required for Class A Teacher's Certificate in North Carolina. Offered each fall.
- 314      Poetry and Non-Shakespearean Drama of the English Renaissance      3 hpw**  
An examination of major poets and dramatists of the English Renaissance excluding Shakespeare. The course will focus on Spenser, Donne, and the Jacobean dramatists.  
Prerequisite: Junior standing or consent of instructor.

- 315 Creative Writing 3 hpw**  
 Training and practice in the writing of verse, prose, fiction, and drama.  
 Prerequisite: Two English courses on the 200-level or consent of the instructor.
- 316 The English Novel 3 hpw**  
 Representative works of the principal novelists in the English tradition. Reading and analysis of novels by such writers as Fielding, Austen, Dickens, Hardy, Conrad, Virginia Woolf, Joyce, and Greene.  
 Prerequisite: Junior standing or consent of instructor.
- 317 Literature of the Romantic Period 3 hpw**  
 A study of the chief poets and critics of English Romanticism.  
 Prerequisite: Junior standing or consent of instructor.
- 401 Milton 3 hpw**  
 Intensive reading of Milton's poetry with major emphasis on *Paradise Lost* and *Samson Agonistes*. Collateral readings from the prose.  
 Prerequisite: English 302 or consent of the instructor.
- 402 Studies in 20th Century Literature 3 hpw**  
 A study in depth of some topic in 20th century literature in English.  
 Prerequisite: English 401 or consent of the instructor.
- 190, 290 Special Studies in English**  
**390, 490**  
 This course, initiated by the professor, provides opportunity for small classes to do intensive study or research in some special field of English under faculty direction. The level of work will be indicated by the course number used.
- 199, 299 Guided Independent Study in English**  
**399, 499**  
 This provides for a project initiated by the student. The project must be submitted to the division on the proper forms for approval. The level of work will be indicated by the course number used.

### MAJOR IN MODERN LANGUAGES

For a modern language major, a student may elect a concentration in French or Spanish and do work in French, Spanish, or German as the second language. The major program consists of ten courses: six at the 200 level or above in the language of concentration, two courses at the 300 level in the second language, and

two additional courses to be chosen from advanced courses in the first or second language, the 200 level of a third language, or courses in linguistics and English language. Although mathematics is not required for the modern language major, it is strongly recommended if the student wishes to pursue graduate study in linguistics.

The French concentration should include: French 251, 252, 311, 312, 411, and 412.

The Spanish concentration should include: Spanish 301, 303, 304, 305, 306, and 409.

With proper courses in education, this major program will provide for teacher certification in the language of concentration.

### Major in French

For a major in French, students will normally take French 251-252, 311, 312, 411, 412, and at least two other courses in Special Studies in French. Majors are also required to take at least two years of study in another language, and two courses in math. With proper courses in education, this program will provide for teacher certification.

### FRENCH

*Associate Professor Neylans; Assistant Professors Brockmann, Schenck*

**101-102 Elementary French** **4-5 hpw**  
 Fundamentals of grammar, composition, pronunciation, and diction. Appropriate tape recordings will be used.

**201-202 Intermediate French** **4 hpw**  
 Prerequisite: 101-102 or at least two units of high school French. A thorough review of grammar, verb forms, composition, diction, and pronunciation, with appropriate tape recordings. Selected readings from French authors will also be studied. Upon completion of this course, students will be expected to demonstrate proficiency in the language.

**251-252 Conversation, Composition, Diction** **4 hpw**  
 Practice in written and oral French. Grammar review, controlled composition, pronunciation exercises, and controlled conversation will be followed by free choice of subject matter for composition and conversation.

Prerequisite: French 201-202 or advanced placement by the French faculty.

- 311 French Literature and Civilization:  
Middle Ages and Renaissance — 1000-1600 4 hpw**  
An integrated study of French culture, history and literature of the Middle Ages and the Renaissance (1000-1600). Wide reading, oral and written reports.  
Prerequisite: French 251 or advanced placement by French faculty.
- 312 French Literature and Civilization:  
French Classicism — 1600-1770 4 hpw**  
An integrated study of the culture, history, and literature of French Classicism (1600-1770). Wide reading, oral and written reports.  
Prerequisite: French 311 or permission of French faculty.
- 411 French Literature and Civilization:  
Romanticism and Realism — 1770-1900 4 hpw**  
An integrated study of the culture, history, and literature of French Romanticism and Realism (1770-1900). Wide reading, oral and written reports.  
Prerequisite: French 312 or permission of French faculty.
- 412 French Literature and Civilization:  
The Modern Period — Since 1900 4 hpw**  
An integrated study of French culture, history, and literature of the modern period (since 1900). Wide reading, oral and written reports.  
Prerequisite: French 411 or permission of French faculty.
- 190, 290 Special Studies in French  
390, 490**  
This course, initiated by the professor, provides opportunity for small classes to do intensive study or research in some special field of French under faculty direction. The level of work will be indicated by the course number used.
- 199, 299 Guided Independent Study in French  
399, 499**  
This provides for a project initiated by the student. The project must be submitted to the division on the proper forms for approval. The level of work will be indicated by the course number.

## SPANISH

*Assistant Professors David Lively, Ilia Lively*

- 101-102 Elementary Spanish 4-5 hpw**  
Fundamentals of grammar, composition, pronunciation, and diction. Tape recordings will be used.

**201-202 Intermediate Spanish 4 hpw**

Prerequisite: 101-102 or at least two units of high school Spanish. A thorough review of grammar, verb forms, composition, diction, and pronunciation, utilizing readings from Spanish authors. Some tape recording will be used.

**301 Spanish History and Civilization 4 hpw**

Prerequisite: 201-202, or permission. A survey of Spanish history and civilization from early times to the present day as a background for the study of Spanish literature.

**303, 304 Spanish Composition, Conversation and Diction 4 hpw**

Prerequisite: 201-202. This course is designed to build a basic, practical conversational vocabulary. Emphasis on speaking, writing, reading in addition to diction. Intensive practice in composition, syntax, and interpretative reading of Spanish.

**305, 306 Survey of Spanish Literature 4 hpw**

Prerequisite: 201-202. The first term covers the history of Spanish literature from earliest times to the end of the Golden Age; the second term brings it down to the 20th century.

**309, 310 Survey of Spanish-American Literature 4 hpw**  
(Formerly listed as 403-404)

Prerequisite: 201-202. A study of the history and development of Spanish-American literature from the earliest period to the present.

**401 Spanish Literature of the Golden Age 4 hpw**

Prerequisite: 305. The classic drama (Lope, Tirso, Alarcón, and Calderón), poetry, and prose. Analysis of texts read. Alternate years.

**407 Twentieth-Century Spanish Literature 4 hpw**

Prerequisite: 306. A study of developments in Spanish literature of this century, including representatives of the Generation of '98 and the *Modernistas*.

**409 Phonetics and History of the Spanish Language 4 hpw**

Prerequisite: 303, 304. A survey of the development of the Spanish language, from its origin to the present day in Spain.

**190, 290 Special Studies in Spanish**  
**390, 490**

This course, initiated by the professor, provides opportunity for small classes to do intensive study or research in some special field of Spanish under faculty direction. The level of work will be indicated by the course number used.

**199, 299 Guided Independent Study in Spanish**  
**399, 499**

This provides for a project initiated by the student. The project must be submitted to the division on the proper forms for approval. The level of work will be indicated by the course number.

**GERMAN**

*Associate Professor Geffert*

**101-102 Elementary German** **4-5 hpw**

Fundamentals of grammar, composition, phonetics, pronunciation and diction and, during the second term, selected graded readings from representative German authors.

**201-202 Intermediate German** **4 hpw**

Thorough review of grammar, verb drills, composition, diction pronunciation. During the second term, selected graded readings from representative German authors.

Prerequisite: German 101-102 or permission of the instructor.

**301-302 Advanced German** **4 hpw**

Translation of significant texts of the late 18th, 19th and 20th centuries, and discussions in class of the development of literature, style, and syntax. Collateral readings and reports.

Prerequisite: German 201-202 or permission of the instructor.

**190, 290 Special Studies in German**  
**390, 490**

This course, initiated by the professor, provides opportunity for small classes to do intensive study or research in some special field of German under faculty direction. The level of work will be indicated by the course number used.

**199, 299 Guided Independent Study in German**  
**399, 499**

This provides for a project initiated by the student. The project must be submitted to the division on the proper forms for approval. The level of work will be indicated by the course number.

**FOREIGN LANGUAGE**

**313 Modern Languages in the High School** **4 hpw**

A study of methods, materials, and problems of teaching modern languages in the high school. Required for teacher certification. Does not count as a major course in French or Modern Languages.

**GREEK****101-102 Elementary Greek 4 hpw**

Grammar, syntax, pronunciation, and translation. During second term selected readings from Classical Greek and Koine. Assigned readings in English of Greek history and literature.

**201-202 Intermediate Greek 4 hpw**

Translations from Homer's *Iliad*, Xenophon's *Anabasis*, and other Classical Greek literature, and from the Gospel of John. Assigned readings in English in Greek culture and literature. Prerequisite: Greek 101-102 or equivalent.

**HEBREW****101-102 Introduction to Comparative Semitics 4 hpw**

Using Hebrew and Aramaic as models, this course serves as an introduction to the comparative study of Semitic languages, and prepares the student to do special studies in Old Testament. Prerequisite: Permission of instructor.

**THE DIVISION OF MATHEMATICS AND NATURAL SCIENCE**

*Chairman: Associate Professor Pedigo*

**Majors offered: Mathematics, mathematics and computer science, biology, chemistry, chemical physics, medical technology**

The Division of Mathematics and Natural Science offers major programs in the areas of mathematics, biology, and chemistry. The requirements for these majors are listed with program descriptions.

The interdisciplinary major in chemical physics has been designed by the division to open a field of study which is concerned with the fundamental understanding of matter at the molecular level. Generally classed as a theoretical science, chemical physics is interdisciplinary in nature and will appeal to the student who is more interested in the quantitative and mathematical description of molecular behavior than he is in its qualitative and experimental aspects.

Students interested in a cooperative program in medical technology will take three years of the regular biology major program and complete their training at an American Medical Association-approved school of medical technology. St. Andrews will award the B.S. degree to the student who satisfactorily completes the three-year program at St. Andrews and the prescribed work at any approved school of medical technology. St. Andrews has a special cooperative arrangement in the medical technology program with the following schools: Bowman Gray School of Medi-

cine, Winston-Salem, North Carolina; Charlotte Memorial Hospital, Charlotte, North Carolina; Duke University Medical Center, Durham, North Carolina; Grady Memorial Hospital, Atlanta, Georgia; Medical College of Virginia, Richmond, Virginia; Presbyterian Hospital, Charlotte, North Carolina; Rex Hospital, Raleigh, North Carolina.

## SCIENCE EDUCATION

### 313 **Materials and Methods in the Teaching of High School Science**

4 hpw

This course is designed to familiarize the student with the contents and objectives of modern high school science courses and with desirable methods of presentation. Prerequisite: introductory courses in college biology, chemistry, and physics. This course is for those students planning to fulfill the requirements of the North Carolina State Department of Public Instruction.

## BIOLOGY

*Associate Professor Pedigo; Assistant Professors Applegate, Blair, Clausz, Styron*

The curriculum for the biology major is designed by the student with the aid of a faculty advisory team. The major requirements therefore consist of a program mutually acceptable to the student and the advisory team. The students' program is then approved by the faculty of the Division of Mathematics and Natural Science. This flexibility enables pre-medical and pre-dental students to construct their major program to meet the requirements of the specific professional school of their choice. A student intending to go to graduate school in biology or other related fields such as anthropology, sociology, or psychology may also tailor his program to the requirements of a particular school. Programs may also be constructed by the student to meet his needs if he plans to teach in secondary schools or enter industry or government. Students who anticipate not using their biological training in post baccalaureate studies or profession may elect a series of courses which best meets the needs of their liberal arts education. The biology major program, including supporting disciplines, does not require more than 16 courses.

### 201 **Organismal Biology**

6 hpw

A general survey of the animal and plant kingdoms with emphasis on morphology, evolutionary relationships, and classification. Lecture: 3 hours; laboratory: 3 hours. Prerequisite or co-requisite: Natural Science 101, 102 or consent of instructor. Offered each fall term.

- 202 Genetics 6 hpw**  
The principles of heredity at the organismal and molecular level. Topics treated in lecture include Mendelian genetics, cytoplasmic heredity, and the molecular aspects of mutation and protein synthesis. Lecture: 3 hours; laboratory: 3 hours. Prerequisite or co-requisite: Natural Science 101, 102 or consent of instructor. Offered each spring term.
- 205 Environmental Biology 6 hpw**  
An introduction to the basic concepts of environmental biology especially emphasizing population problems, ecosystem dynamics, and the mechanisms of evolutionary development. Lecture: 3 hours; laboratory: 3 hours. Prerequisite or co-requisite: Natural Science 101, 102 or consent of instructor. Recommended: Biology 201. Offered each fall term.
- 302 Cell Physiology 7 hpw**  
A study of the structure, function, and dynamics of living cells with emphasis on the cell environment, bioenergetics, biological pathways, and coordination. Lecture: 4 hours; laboratory: 3 hours. Prerequisite: Biology 201, 202 and Chemistry 201, 202. Offered each spring term.
- 305 Growth and Development 7 hpw**  
Chemical, physical, and morphological aspects of growth and development as exemplified by plants and animals. The concepts and relationships of fertilization, growth, differentiation, morphogenesis, systems control and feedback, and organogenesis are discussed. Lecture-discussion: 4 hours; laboratory: 3 hours. Prerequisite: Biology 202 and Chemistry 201 and 202. Offered each fall term.
- 401, 402 Advanced Biology 7 hpw**  
Advanced topics and basic research in the area of a faculty member's interest and training. Course content will depend on which faculty member offers the course in any given term. Lecture-discussion: 4 hours; laboratory: 3 hours. Prerequisite: courses in biology and consent of instructor.

## CHEMISTRY

*Professor Miller; Associate Professors Barnes, Wetmore; Assistant Professor Stephens*

The requirements for the chemistry major are eight regular courses, six of which have laboratories, and one winter term course: Chemistry 201, 202, 301, 302, 303, 304, 401, 403 and W41. Math 121, 122, and Physics 201, 202 are also required. Mathematics 223, 224 and German 101-102 are strongly recommended for those who plan professional work in chemistry. This program meets the needs of those planning professional work in chemistry or medicine.

The chemistry curriculum is a concept-centered spiral approach that cuts across many of the traditional divisions of chemistry. In the laboratory, standard experiments and manuals have been replaced by an integrated series of open-ended projects. The usual laboratory-course pairings are those listed in the course descriptions.

The chemistry program participates in an interdisciplinary business-chemistry major designed for those with a strong interest in management in technically oriented fields. For major requirements, see the business-chemistry program under the Division of History and Social Science.

- |            |   |              |
|------------|---|--------------|
| <b>201</b> | <b>Bonding and Structure I</b>  | <b>6 hpw</b> |
|            | An introduction to the basic concepts of bonding and structure with emphasis on chemical periodicity and the atomic and molecular orbital theories of chemical bonding. Lecture: 3 hours; Laboratory: 3 hours (See Laboratory 1 below). Prerequisite or co-requisite: NS 101 or consent of instructor. Offered each fall term.  |              |
| <b>202</b> | <b>Thermodynamics and Kinetics I</b>  | <b>6 hpw</b> |
|            | Elementary thermodynamics and kinetics are approached through a study of energy and entropy changes for macroscopic phenomena, rate laws, and reaction mechanisms. Lecture: 3 hours; Laboratory: 3 hours (See Laboratory II below). Prerequisite or co-requisite: NS 101, 102 or consent of instructor. Offered each spring term.   |              |
| <b>301</b> | <b>Bonding and Structure II</b>   | <b>4 hpw</b> |
|            | The quantitative aspects of the theories of bonding and structure are emphasized. Molecular orbital theory is used to examine progressively more complex systems. The theoretical and practical aspects of spectroscopy are explored as a tool in the determination of molecular structures. Lecture: 4 hours. Prerequisite: Chemistry 201. Prerequisite or co-requisite: Physics 201. Offered each fall term.  |              |
| <b>302</b> | <b>Thermodynamics and Kinetics II</b>   | <b>4 hpw</b> |
|            | Applications of classical thermodynamics are investigated in relation to real gases, phase transitions, solutions and electrolytic solutions. Relationships between the macroscopic and microscopic are noted in the development of statistical mechanical concepts. The current literature is used to study more recent developments in molecular kinetics and dynamics. Lecture: 4 hours. Prerequisite: Chemistry 202. Prerequisite or co-requisite: Physics 202. Offered each spring term. |              |

- 303 Chemical Reactions I 7 hpw**  
An intermediate treatment of organic and inorganic reactions in solution with emphasis on ionic equilibria calculations and structure-activity correlations. Lecture: 4 hours; Laboratory: 3 hours (See Laboratory III below). Prerequisites: Chemistry 201 and 202. Offered each fall term.
- 304 Chemical Reactions II 7 hpw**  
An integrated study of organic and inorganic reactions emphasizing structure, bonding, mechanisms, kinetics, and thermodynamics. Lecture: 4 hours; Laboratory: 3 hours (See Laboratory IV below). Prerequisite: Chemistry 303. Offered each spring term.
- 401 Bonding and Structure III 7 hpw**  
More current techniques of treating chemical bonding will be examined and discussed. The universal simplifying concept of symmetry will be studied and applied to problems of molecular properties, structure and reactions. Lecture: 4 hours; Laboratory: 3 hours (See Laboratory VI below). Prerequisite: Chemistry 301. Offered each spring term.
- 403 Chemical Reactions III 7 hpw**  
A seminar course in which each student studies in detail the kinetics, thermodynamics, bonding and structure of a particular reaction type. Approximately half the term is spent in completing a research paper which is presented to the class. Lecture: 4 hours; Laboratory: 3 hours (See Laboratory V below). Prerequisite: Chemistry 304. Offered each fall term.
- 404 Chemical Reactions IV (Biochemistry) 4 hpw**  
A study of the principles of chemistry as applied to biochemical systems. Lecture: 4 hours; Prerequisite: Chemistry 304. Offered each spring term.
- 411, 412 Advanced Topics in Chemistry**  
A guided study in which the student, in close cooperation with a faculty member, investigates the theoretical and practical aspects of selected problems in chemistry. Prerequisite: Consent of the instructor. Offered on demand during the fall and spring terms.
- W41 Theory of Instrumentation**  
An introduction to basic electronics and its applications to electrochemistry. Prerequisite: Physics 202 or consent of instructor. Offered each winter term.

## PROJECT-ORIENTED LABORATORIES

### Laboratory I

The identity of an unknown compound is deduced through its spectral properties and derivatives, and selected physical properties of the compound are measured.

**Laboratory II**

A mixture of two liquids is separated. Each component is then subjected to various chemical and physical tests for identification and characterization.

**Laboratory III**

A coordination compound is synthesized and characterized by structure determination and physical properties.

**Laboratory IV**

Each student will conduct an individual research project based on a written proposal approved by the faculty. The results will be presented in a formal scientific form.

**Laboratory V**

This laboratory involves the detailed study of a single reaction by a variety of methods, including thermodynamics, kinetics, mechanistic studies, and structure-activity correlations.

**Laboratory VI**

An individual research project based on a written proposal approved by the faculty, often a continuation of Laboratory IV. The results, expected to be of publishable significance, will be presented in a formal scientific paper.

**MATHEMATICS**

*Associate Professors W. H. Somerville, Morgan; Assistant Professor Singleton*

Mathematics major requirements: A minimum of ten courses, including Mathematics 121, 122, 221, 223, 240, 361, 471, and 362 or 472. Students who enter St. Andrews with a background which extends beyond the content of Math 121 are urged to start their mathematics program at a higher level. Those who plan to do graduate work in mathematics are encouraged to take both 362 and 472. Students who plan to apply mathematics in their work or enter the computation field are encouraged to select from 205, 340, 351, and 480. Students who plan to teach in the secondary schools should include 205, 330, and 413 in their program. Students anticipating graduate study should acquire a basic reading knowledge in either French or German. Those students interested in a broad liberal arts background are urged to take two or three years of the foreign language of their choice.

Mathematics with concentration in computer science major requirements: Mathematics 121, 122, 221, 223, 361, 471, plus Math W37; Computer Science courses 201, 202, 301, and 302.

- 115 Elementary Functions and Coordinate Geometry 3 hpw**  
A study of the elementary functions, including polynomial, rational, algebraic, and trigonometric functions. Also a brief treatment of the real number system from an axiomatic viewpoint and some topics in analytic geometry. Knowledge of the topics included in this course is necessary for the calculus. Prerequisite: Permission of the instructor. Offered as needed.
- 121, 122 Calculus 4 hpw**  
A study of differential and integral calculus of the elementary functions of one variable including techniques and applications, and limits of sequences and series. Students with a limited knowledge of the material in Math 115 are advised to take Math 115 before or with Math 121. Prerequisite for 121: permission of instructor. Prerequisite for 122: Math 121. Offered each fall and spring.
- 205 Statistics 3 hpw**  
An introduction to elementary statistical measures, statistical inference, hypothesis testing, probability models, analysis of variance, regression and correlation. Prerequisite: two years of high school algebra. Offered each spring term.
- 221 Linear Algebra 4 hpw**  
A study of vector spaces, linear independence, linear transformations, the dot product in  $\mathbb{R}^n$ , matrices of linear transformations. Prerequisite: Math 121. Offered each fall.
- 223 Multivariable Calculus 4 hpw**  
A brief review of vectors and determinants. Functions of two variables exemplified by quadric surfaces. Directional derivatives, the general chain rule, implicit differentiation, Taylor's Theorem, and extrema problems. Double and triple integrals together with their applications and a brief introduction to line integrals. Prerequisite: Math 122. Offered each fall term.
- 240 Abstract Topology 3 hpw**  
An introduction to abstract point set topology including the basic properties of continuous function in relation to compactness and connectedness. Prerequisite: Math 223.
- 330 Geometry 3 hpw**  
A re-examination of geometry from a modern axiomatic viewpoint. The essential content of this course is Euclidean geometry. Prerequisite: permission of the instructor. Offered as needed.
- 340 Ordinary Differential Equations 3 hpw**  
General and special methods for the solution of linear differential equations and some special nonlinear ones together with existence and uniqueness theory for first order non linear equa-

- tions including the Cauchy Euler method. The computer may be used to aid in calculations necessary for approximate solutions. Prerequisite: Math 223. Offered as needed.
- 351 Numerical Analysis 3 hpw**  
 Numerical methods are developed for the following topics: integration, solutions of differential equations, linear algebra, matrix inversion, estimation of characteristic roots, error propagation and stability. Oriented toward machine computation. Prerequisites: Math 122 and 221. Offered as needed.
- 361, 362 Introductory Real Variable Theory 3 hpw**  
 The real number system, set theory, countability of the rationals and uncountability of the reals, Euclidean spaces, Bolzano-Weierstrass and Heine-Borel Theorems, metric spaces, completeness, continuity, differentiation, the integral series of complex numbers, series of functions and series expansions are investigated. Prerequisite for Math 361: Math 223. Prerequisite for Math 362: Math 361. Offered fall and spring terms.
- 471, 472 Algebraic Structures 3 hpw**  
 An introduction to the basic algebraic structures of groups, rings and fields. Prerequisite for 471: Permission of instructor. Prerequisite for 472: Math 471. Offered fall and spring terms.
- 480 Complex Analysis 3 hpw**  
 A study of the fundamental properties of complex numbers, analytic functions, differentiation and integration theorems, conformal mapping, Taylor and Laurent series, boundary value problems. Prerequisite: Permission of the instructor. Offered as needed.
- 490 Special Studies in Mathematics 3 hpw**  
 This course, initiated by the professor, provides opportunity for small classes to do intensive study or research. Topics will vary from year to year. Typical topics: foundations of mathematics, number theory, topology, applied mathematics. Prerequisite: Permission of the instructor. Offered as needed.

**MATHEMATICS EDUCATION\***

- 207 The Real Number System and Its Subsystems 3 hpw**  
 An axiomatic study of the real number system is developed through investigation of other systems of numeration, the natural numbers, integers, rationals and irrationals. Emphasis will be on underlying concepts and techniques. This course is especially appropriate for elementary education majors. Prerequisite: two years of high school algebra. Offered each fall term.
- 208 The Structure and Interdependence of Algebra and Geometry 3 hpw**  
 The fundamental structures of elementary algebra and geometry

\* Courses under this heading do not count toward mathematics major requirements.



ing (ordering) techniques. Formal specification of data structures, data structures in programming languages, and generalized data management systems. Prerequisite: CS 202.

- 302 Systems Programming (Operating Systems) 3 hpw**  
 Review of batch process systems programs, their components, operating characteristics, user services and their limitations. Implementation techniques for parallel processing of input-output and interrupt handling. Overall structure of multiprogramming systems on multiprocessor hardware configurations. Details on addressing techniques, core management, file system design and management, system accounting, and other user-related services. Traffic control, interprocess communication, design of system modules and interfaces. System updating, documentation and operation. Prerequisite: CS 301.

**PHYSICS**

*Associate Professors Barnes, Rolland*

- 201, 202 General Physics 6 hpw**  
 Basic concepts in the classical fields of mechanics, heat, sound, light, electricity and magnetism, including introduction to modern physics. Lecture: 3 hpw; laboratory: 1 three-hour. Prerequisite: Math 121, 122. Offered each fall and spring.
- 305 Analytical Mechanics 6 hpw**  
 Development of new mathematical skills and deeper insight into classical mechanics are obtained through the study of the dynamics of particles and rigid bodies, harmonic oscillator, and introductory LaGrangian and Hamiltonian mechanics. Lecture: 3 hpw; laboratory: 1 three-hour. Prerequisites: Physics 201, Math 122.
- 306, 307 Waves and Electromagnetic Fields 6 hpw**  
 Classical analysis of periodic phenomena leads into the treatment of the electromagnetic field by Maxwell's equations. Systems treated include electro- and magnetostatics, electromagnetic waves and their interaction with matter, and radiation. Lecture: 3 hpw; laboratory: 1 three-hour. Prerequisites: Physics 202, 305, Math 223.
- 400 Special Topics 4 hpw**  
 Study in depth of selected topics in advanced physics. Seminar, conference and/or laboratory. Prerequisite: Physics 201-202 and consent of instructor. Offered each fall and spring.
- 405 Quantum Mechanics 4 hpw**  
 An introduction to the fundamentals of quantum mechanics examining the wave function, wave equation, operators, representations and perturbation theory. These tools will be applied to relatively simple systems such as the harmonic oscillator and the hydrogen atom. Lecture: 4 hpw. Prerequisites: Math 223 and Physics 307.

## THE DIVISION OF ART, MUSIC, AND THEATRE

*Chairman: Associate Professor Arthur McDonald*

The Division of Art, Music, and Theatre offers programs of study for students interested in professional and educational careers in art, music, or theatre.

**Majors offered: Bachelor of Music with a major in church music, music education, organ, piano or voice;**

**Bachelor of Arts with a major in music or in fine arts (concentration in art or theatre).**

### ART

*Assistant Professor Myers; Mr. Mark Smith*

The fine arts major with an emphasis in art includes the following requirements: Art 101, Art 102, Art 103; three additional courses in the studio areas; Art 490; two courses in art history, one course in theatre, and Music 251.

Sophomores will present portfolios for evaluation by the staff prior to being admitted to the program as majors. Each major will mount a one-man show of work during his senior year.

#### 101 Introduction to the Visual Arts

A foundation course which coordinates the development of analytic and appreciative skills with an orientation to the expressive use of formal elements in studio practice. Concepts and themes presented in a topical survey of art history will be explored further in a series of studio exercises and problems dealing with the visual and psychological properties of form. Lecture discussion: 2 hours; studio: 4 hours. Offered fall term. Open to freshmen and non-majors.

#### 102 Basic Design

A systematic analysis of the formal and physical components of the visual arts, including an examination of form and space, color, line, shape, texture, and movement. The aesthetic and structural properties of a variety of materials will be investigated. Six studio hours. Offered spring term. Open to freshmen and non-majors.

#### 103 Drawing and Composition

A basic course in the graphic language of visualization and perception, stressing the descriptive, interpretive, and analytic functions of line, light and shade, and perspective. Open to freshmen and non-majors. Offered spring term 1972. Six studio hours.

#### 201 Painting I

An introduction to the problems and principles of composition and color organization, and to the technical procedures and

manipulations appropriate to the painting medium. Prerequisites: Art 101 and Art 102 or 103, or consent of instructor. Offered fall term, 1972. Six studio hours.

**202 Relief and Planographic Printmaking**

An introduction to the techniques of woodcut, linoleum cut, relief collograph, and silk screen printmaking. The particular problems of conceptualization, drawing, color organization, and subject interpretation will be given special consideration as they apply to the printmaker's art. Prerequisites: Art 101, Art 102 or 103, or consent of instructor. Offered fall term. Six studio hours.

**203 Sculpture I**

A consideration of basic three-dimensional problems approached through the techniques of modelling, casting, carving, and assemblage. Prerequisites: Art 101, and Art 103, or consent of instructor. Offered spring term. Six studio hours.

**204 Figure Drawing**

A thorough study of the human figure in terms of its muscle, bone, and proportional configuration. A penetrating analysis of the parts of the figure as well as the total unity of the figure will be stressed. Offered spring term. Prerequisite: Art 103 or consent of instructor. Six laboratory hours per week.

**205 Ceramics**

An introduction to ceramic design, construction, and technique in which students will develop skills in preparing clay bodies, hand building and throwing on the potter's wheel, glazing, and firing.

**302 Painting II**

A continuation of 201 centering on the development of individual and original approaches to the expressive possibilities of the medium. Spring term. Prerequisite: Art 201. Six laboratory hours per week.

**303 Intaglio Printmaking**

An introduction to processes of collography, engraving, etching, and drypoint, plate preparation, and proofing on the intaglio press. Attention will be given drawing and composition as a source of original ideas to be enriched through the print medium, and to the print as an autonomous mode of graphic expression. Prerequisites: Art 101 and Art 102 or 103.

**304 Sculpture II**

A continuation of Art 203 in which the student will move to more elaborate techniques, i.e., welding relief techniques, polychrome sculpture, sculpture in light, kinetic sculpture, etc. Also, the possibility of simply pursuing a traditional medium in greater depth presents itself here. Spring term. Prerequisite: Art 203 or consent of instructor. Six laboratory hours per week.

- 305      Advanced Design**  
Emphasis on original solutions to advanced problems of two- and three-dimensional design. Fall term. Prerequisite: Art 102. Six laboratory hours per week.
- 306      Advanced Drawing**  
Emphasis on original solutions to descriptive and imaginative drawing problems in various media. Spring term. Prerequisite: Art 204 or consent of instructor. Six laboratory hours per week.
- 321      Art in the Elementary School**  
A course designed to meet the needs of elementary teachers. A study of studio methods applicable to the elementary grades, and a survey of recent thinking with regard to art programs at that level. Combined lecture and laboratory. Spring term.
- 490      Special Studies in Art**  
An independent project or projects based on skills and insights gained in previous studio work. The medium or media are student selected. Offered once a year for art majors in their senior year provided all prerequisites have been completed. Six laboratory hours per week.

## ART HISTORY

- 250      Introduction to Art History**  
An esthetic, cultural, and historical study of basic art forms and styles (sculpture, painting, and architecture) from the Neolithic Age to the present. (Offered only as a component of Christianity and Culture 201-202.)
- 351      Ancient Art** **4 hpw**  
A survey of art from prehistory to the fall of the Roman Empire. Four lecture hours per week. Fall term, 1970. Alternate years.
- 352      Medieval Art** **4 hpw**  
A survey of art from the Early Christian to Late Gothic. Four lecture hours per week. Spring term, 1971. Alternate years.
- 451      Renaissance and Baroque Art** **4 hpw**  
A survey of art from the 14th century in Italy through European court and religious art of the 18th century. Four lecture hours per week. Fall term, alternate years. Fall, 1971.
- 452      19th and 20th Century Art** **4 hpw**  
A survey of modern art from its beginning in mid-18th century in Europe and America to the present. Four lecture hours per week. Spring term, alternate years. Spring, 1970.

**MUSIC**

*Chairman: Assistant Professor Thomas Somerville; Professors Rogers, Horn; Associate Professor Williams; Assistant Professor Barlow; Mr. Weimer*

Requirements for entrance and graduation conform to the standards of the National Association of Schools of Music, of which the School of Music is an institutional member.

*Auditions*

All applicants for a major in music must audition for the music faculty on campus or, if absolutely necessary, by tape during the year preceding entrance to the College. Audition dates and specific requirements for the auditions may be obtained by writing the chairman of the music program.

*Major Requirements for Bachelor of Music*

The requirements for all B.M. major programs are Music 101, 102, 201, 202, 301, 302, 304, 401, eight regular terms of a major applied, and an ensemble each term of residence. Christianity and Culture 101-102, 201-202 and four terms of physical education are the portion of the college core program required of B.M. degree majors. All music majors expecting to attend graduate school are advised to complete the intermediate level of French or German. (When voice is the major applied, see below.)

Other B.M. major requirements are as follows: Church music, organ emphasis: Music 351, 353, 355, 420, 454, two terms of secondary piano and four terms of secondary voice, Theatre 203.

Church music, voice emphasis: Music 351, 353, 355, 420, 456, two terms of secondary piano, four terms of secondary organ, Theatre 203, and elementary level each of French and German.

Music education: Music 254, 256, 353, 354, sophomore level piano proficiency for instrumental and vocal emphasis, four terms secondary voice for piano emphasis or two terms secondary voice for instrumental emphasis, Natural Science 101, 102, Psychology 303, Education 312, 315, 400, and 420.

Organ: Music 351, 420, 453, 454, and intermediate level of either French or German, and two terms of piano.

Piano: Music 420, 451, 452.

Voice: Music 420, 455, 456, sophomore level piano proficiency, Theatre 203, and elementary level each of French and German.

*Major Requirements for Bachelor of Arts*

The requirements for a Bachelor of Arts degree with a major in music are the full college core program, Music 101, 102, 201, 202, 301, 302, 401, 420, six terms of a major applied area, and an ensemble each year of residence.

*Recitals and Public Performance*

Music students are encouraged to give public performances contingent upon the student's musical development. A music major must obtain permission from his applied teacher for all public performances, solo or ensemble.

Each week, a laboratory-recital is held in which all students studying music are given an opportunity to gain experience in public performance. Except for first-term freshmen, music majors are required to perform in at least one of these recitals each term in each applied area studied.

All students who expect to receive a Bachelor of Music degree are required to give a recital in the senior year. Church music, organ, piano, and voice majors normally will be expected to give a half-recital in the junior year at the discretion of the applied teacher. As in the case of any solo performance sponsored by the Division of Art, Music, and Theatre, a student must pass a jury exam given for the entire music faculty at least one month prior to the recital date.

*Recital Attendance Requirements*

Regular attendance at recitals and concerts sponsored or endorsed by the Division of Art, Music, and Theatre is considered an integral part of applied music study and will be required of all music majors. When absences from recitals and concerts indicate a serious lack of commitment to music performance, the student will be involuntarily withdrawn from his applied study after a formal warning from the Dean of the College.

**GENERAL MUSIC COURSES**

The following courses are especially designed for students not majoring in music. Non-majors are also welcome to study applied music for course credit or audit. Voice Class, Woodwind and String Methods, Brass and Percussion Methods and Ensembles carry no special fee, but all private lessons in organ, piano, voice or orchestra instruments are subject to the special fee schedule published in the "costs and quality" section of this catalog. Students enrolling in private lessons should contact the instructor prior to registration. All other music courses are open to all students with permission of the instructor.

<b>251</b>	<b>The Enjoyment of Music (Music Appreciation)</b>	<b>4 hpw</b>
	A basic course in the development of perception in listening to music for enjoyment; designed for the non-music major. Offered fall and spring terms.	

- 253, 254 Voice Class** **3 hpw**  
 A basic course in vocal development and musicianship for non-music majors and beginning students in voice.
- 351 Music in Worship** **4 hpw**  
 A study of the involvement of music in the Christian service of worship and total program of the local church, including examination of traditional liturgies and contemporary developments. Of primary concern is the development of a philosophy of music in worship. Offered alternate years beginning fall, 1971.

### **STUDIES IN THE STRUCTURE AND STYLES OF MUSIC**

Studies in the Structure and Styles of Music is a seven-term, interdisciplinary music program required of all music majors. This program combines studies in music theory, including form analysis and counterpoint, orchestration and music history. It is based upon the assumption that, for today's undergraduate, a study of music history must focus on a study of musical styles, and that a study of musical styles must be founded upon an understanding of the structure of music. Drill in ear-training, sight-singing, orchestration, keyboard and written harmony and counterpoint, and opportunities for creative composition are essential aspects of the program. Faculty members who are specialists in the theoretical and stylistic disciplines to be studied and who are skilled in relating these studies to the performing nature of music make up the teaching team for each term of the program.

- 101, 102 Freshman Year: Fundamentals of the Structure of Music** **5 hpw**  
 The establishing of a foundation in music studies through the study of basic properties and notation of rhythm and pitch, tonality, formal characteristics of melody, the combination of melodies in the rudiments of counterpoint, chord structure and function from basic triads through secondary dominants, and tonality change (modulation).
- 201 Sophomore Year, Fall: Structure and Styles of Music in the Classic Period** **5 hpw**  
 Studies in the melodic, harmonic and fixed form structures of the pre-classic and classic periods, with emphasis on stylistic understanding of the major composers, including K.P.E. Bach, Stamitz, Mozart, Haydn and early Beethoven. Offered annually beginning fall, 1972.
- 202 Sophomore Year, Spring: Structure and Styles of Music in the 19th Century** **5 hpw**  
 Studies in the melodic, harmonic and large form structures of the romantic period from late Beethoven through Debussy, with emphasis on stylistic understanding of major composers in-

cluding Schubert and Schumann, Chopin and Liszt, Verdi and Wagner, Berlioz and Rimsky-Korsakov. Offered annually beginning spring, 1973.

- 301 Junior Year, Fall: Structure and Styles of Music in the Baroque Period 4 hpw**  
 Studies in the melodic, harmonic and contrapuntal formal structures from 1600 to 1750, with emphasis on stylistic understanding of major composers from Monteverdi and Schuetz through J. S. Bach and Handel. Offered annually beginning fall, 1973.
- 302 Junior Year, Spring: Structure and Styles of Music in the 20th Century 4 hpw**  
 Studies in the melodic, harmonic and other formal structures from 1917 to the present, with emphasis on understanding of the stylistic developments of neo-romanticism in Richard Strauss and Milhaud, neo-classicism in Hindemith, duo-decaponic music in Schoenberg, Berg and Webern, folk-influence in Bartok and Vaughan-Williams, American nationalism in Copland, eclecticism in Stravinsky, and electronic experimentation by Cage, Babbitt, Foss, Stockhausen and others. Offered annually beginning spring, 1974.
- 401 Senior Year, Fall: Structure and Styles of Music in the Medieval Period and Renaissance 4 hpw**  
 Studies in the melodic and contrapuntal forms of music from Gregorian Chant and organum through the 16th century motet and madrigal. Offered annually beginning fall, 1974.

## MUSIC EDUCATION

- 254 Woodwind and String Methods 4 hpw**  
 A course designed to give students a working knowledge of woodwinds and strings and of the methods and materials for teaching beginners. Open to all students. Offered alternate years beginning spring, 1972.
- 256 Brass and Percussion Methods 4 hpw**  
 A course designed to give students a working knowledge of brass and percussion instruments and of the methods and materials for teaching beginners. Open to all students. Offered alternate years beginning spring, 1973.
- 353 Music in the Elementary School 5 hpw**  
 A study of the fundamentals of music and the methods and materials for teaching music in the elementary school classroom. This course is designed for music education majors and for elementary education majors in accordance with the requirements of the state of North Carolina. The class will organize into sections according to musical development, working together at least one meeting per week in examination of current classroom materials.

- 354 Music in the Secondary School 4 hpw**  
 A study of the methods and materials of music in the junior and senior high school. Emphasis also given to instrumental conducting and rehearsal techniques for the secondary school.

**MUSIC PEDAGOGY AND REPERTOIRE**

- 304 Choral Conducting and Methods 3 hpw**  
 A study of basic conducting techniques and of choral development and rehearsal techniques. Required of all B.M. music majors. Offered annually beginning spring, 1974.
- 355 Choral Literature 4 hpw**  
 A study of sacred and secular choral literature from the Renaissance through the 20th century. Offered alternate years beginning fall, 1974.
- 451, 452 Piano Literature and Pedagogy 4 hpw**  
 A study of the materials and methods of piano literature and teaching techniques. Lectures on materials and supervised practice teaching. Offered annually beginning 1972-73.
- 453 Organ Literature and Pedagogy 4 hpw**  
 A general survey of the history, construction, and literature of the organ. Special emphasis is placed on registration, modern teaching materials, and the organ music of J. S. Bach. Offered annually beginning fall, 1972.
- 454 Service Playing 4 hpw**  
 The organization and performance of the church service from the organist's point of view. Special attention is given to hymn playing, modulation, simple improvisation, the accompaniment of anthems and sacred solos, and the planning of the service as a complete unity. Offered annually beginning spring, 1973.
- 455 Voice Pedagogy 4 hpw**  
 A study of the methods of solo voice teaching techniques for studio and class teaching. Offered annually beginning fall, 1973.
- 456 Voice Literature 4 hpw**  
 A study of solo voice literature from Elizabethan song through the 20th century. Offered annually beginning spring, 1974.
- 490 Special Studies in Music**  
 An opportunity for individual or seminar intensive study in a particular area of interest to the student in church music, composition, music history, music theory, pedagogy or repertoire. Required of all music majors except in music education.

**APPLIED MUSIC**

Applied music study (private lessons) is open to all students of the college at the special fee scale listed in the "costs and quality" section of this catalog. All applied study during a term will count as one course credit for that term. When two applied areas are studied concurrently, the first area listed will be the major and the second area the secondary applied.

Credit in applied music is granted by examination at the end of each term with the minimum standard of performance determined by the applied music faculty. Non-majors wishing to receive one course credit for applied study must register for an hour lesson per week. Non-majors wishing to audit applied music may register for either an hour or a half-hour lesson per week. No examination is required for an audit. Non-majors are expected to consult with the applied teacher prior to enrollment.

- 0 Preparatory (non-credit)
- 1 Freshman
- 2 Sophomore
- 3 Junior
- 4 Senior

*Numerals 0-4, above, designate class level. They are used in combination with two-digit listing below to indicate the class level in applied music; e.g., freshman piano study is 111, 112; sophomore piano study is 211, 212.*

- \_\_\_11, \_\_\_12 Piano
- \_\_\_13, \_\_\_14 Piano-Organ
- \_\_\_15, \_\_\_16 Piano-Voice
- \_\_\_17, \_\_\_18 Piano-Orchestra Instrument
- \_\_\_21, \_\_\_22 Organ
- \_\_\_23, \_\_\_24 Organ-Piano
- \_\_\_25, \_\_\_26 Organ-Voice
- \_\_\_27, \_\_\_28 Organ-Orchestra Instrument
- \_\_\_31, \_\_\_32 Voice
- \_\_\_33, \_\_\_34 Voice-Piano

All students enrolled in 131, 132, 133, or 134 for credit will meet an additional 2 hours per week for the study of voice diction: phonetics and their use in pronunciation of Italian, German and French vocal literature.

- \_\_\_35, \_\_\_36 Voice-Organ
- \_\_\_37, \_\_\_38 Voice-Orchestra Instrument
- \_\_\_41, \_\_\_42 Orchestra Instrument
- \_\_\_43, \_\_\_44 Orchestra Instrument-Piano
- \_\_\_45, \_\_\_46 Orchestra Instrument-Organ
- \_\_\_47, \_\_\_48 Orchestra Instrument-Voice

## ENSEMBLES

All ensembles are open to all students of the College. Students enrolled in performing organizations are required to participate in all performances of such organizations.

### 051 Choral Ensembles

Students wishing to enroll in a choral ensemble must have an interview with the director of choral music, who will assign the student to an appropriate ensemble.

#### St. Andrews College Choir

4 hpw

The St. Andrews College Choir has achieved high distinction for its musicianship and professional conduct on its annual tours of the United States and its tour of Great Britain in 1971. Membership is usually composed of about 50 percent non-music majors and 50 percent music majors. All students admitted to membership are expected to enroll for the fall and spring terms of the academic year and are expected to maintain a minimum cumulative grade average of 2.0.

#### St. Andrews Chorale

4 hpw

The St. Andrews Chorale prepares at least two major chorale works each year. Ordinarily, students will be expected to sing with the Chorale before becoming members of the College Choir.

#### St. Andrews Chamber Singers

3 hpw

A small vocal ensemble specializing in the performance of Renaissance and Contemporary vocal chamber music. Performances given on and off campus throughout the year.

### 052 Instrumental Ensembles

4 hpw

Instrumental ensembles will be formed in the fall of 1971, with programs and schedules to be announced. Ensembles anticipated in the 1971-72 programs will include a concert band, stage band, and pep band.

### 053 Piano Ensemble

4 hpw

Studies in keyboard ensemble, including development of sight-reading and accompanying skills. Required of all freshmen piano majors.

## THEATRE

*Associate Professor McDonald; Assistant Professor Narramore*

The fine arts major with an emphasis in theatre includes the following major requirements: nine Theatre courses (201, 203, 205, 301, 306, 404, 410, 490, Music 251, and one course in art.)

- 101 Introduction to the Theatre**  
The course outlined will follow the evolution of a play from playwright to performance. There will be an introduction to dramatic literature as well as to materials related to theatre production. The course will make use of films and studio demonstrations.
- 201 Fundamentals of Speech 3 hpw**  
A basic introduction to the study of voice and diction, oral interpretation and public speaking.
- 202 Oral Interpretation 3 hpw**  
An introduction to problems of oral communication with laboratory work in individual projects.
- 203 Acting 3 hpw**  
A basic course that explores acting techniques through laboratory exercises, demonstrations, and public performances.
- 204 Advanced Acting 4 hpw**  
Projects and performances of one-act plays and scenes from longer plays.
- 205 Technical Theatre 4 hpw**  
An introduction to the areas of technical theatre: set construction, costumes, lighting, and properties. Lectures and laboratory.
- 301 Theatre History and Literature I 4 hpw**  
History of the theatre and dramatic literature from the Greeks to the 18th century.
- 302 Theatre History and Literature II 4 hpw**  
History of the theatre and dramatic literature from the Romantics to the contemporary theatre.
- 306 Scene Design and Lighting 4 hpw**  
A study of the techniques and principles of design. Designing for the proscenium and open stage will be considered.
- 307 The Art of Film Making 4 hpw**  
A basic introduction to the history of the motion picture with emphasis on the development of techniques of film making. Lectures, film showings, and laboratory.
- 404 Directing 4 hpw**  
Methods and theories of play direction are examined through lectures and experiments. Each student will produce a one-act play as a term project.
- 490 Special Studies in Theatre History or Dramatic Literature**  
Research projects with approval of instructor.
- 199, 299 Guided Independent Study in Theatre Arts**
- 399, 499 Opportunity for majors to pursue areas of special interest.**

**THE DIVISION OF RELIGION AND PHILOSOPHY**

*Chairman: Professor Bullock*

Two majors are offered: Religion, and religion and philosophy. Requirements for the major in religion include ten religion courses in addition to the Christianity and Culture program; for the major in religion and philosophy, ten courses in religion or philosophy with a minimum of three courses in each in addition to the Christianity and Culture program and including a course in logic or finite mathematics approved by the division. Students who do graduate work in fields related to the division often find a knowledge of French or German necessary and valuable. For this reason we recommend that undergraduate majors in the division seriously consider studying a foreign language, but such study is not a general requirement for this major.

**RELIGION**

*Professors Alexander, Bullock; Associate Professors Doubles\*, Hix; Assistant Professors Crossley, French*

Religion 101-102 is the prerequisite for all other religion courses, except as noted.

**101 Survey of the Old Testament**

A study of the major developments in the faith and life of the Hebrew people from the Exodus through the post-exilic period in the Old Testament documents. (Offered only as a component of Christianity and Culture 101.)

**102 Survey of the New Testament**

A study of the faith and life of the Christian church in the New Testament documents, emphasizing the origins and growth of the Christian community. (Offered only as a component of Christianity and Culture 102.)

**103 Introduction to the Study of Religion** **3 hpw**

An introduction to religion in terms of problems and data usually described as "religious." This course will introduce students to the major areas of the studies of religion.

**204 The Synoptic Gospels** **3 hpw**

An analysis of the structure and key ideas of Matthew, Mark, and Luke. Special attention is given to the problem of historicity, and to the concept of the Kingdom of God and its relevance to contemporary life. No prerequisite.

**205 Literary Interpretation** **3 hpw**

This course introduces students to methods for determining what an author actually wrote, what sources he drew on, and

\* On leave, 1971-72.

*Handwritten notes:*  
 Has Doubles  
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 Doubles

the significance of the literary forms he used. Part of the course will involve the use of the computer for linguistic and literary analysis. Prerequisites: Selected Topics in Modern Science 101-102, Christianity and Culture 101-102.

**209 Studies in Judaism 3 hpw**

*Crosley* A study of the development of Jewish faith and tradition from the time of Ezra to the present, with emphasis on Judaism in the modern world. Offered in alternate years, fall term. (Also offered as Philosophy 209.)

**211 Studies in Islam 3 hpw**

*Crosley* A study of the development of Islamic faith and tradition from the time of Muhammad to the present, with special emphasis on Islam in the modern world. Offered in alternate years, fall term. (Also offered as Philosophy 211.)

**221 Politics and Religion in American Life 3 hpw**

*Hix* An analysis of the interaction of politics and religion in shaping the American tradition and an investigation of such contemporary issues as religion and civil rights, church-state relations, and the role of organized religion in political action. No prerequisite. Offered in alternate years.

**303 Paul 4 hpw**

*Bulllock* A study of the major ideas of the apostle Paul as these are found in his letters. Particular emphasis will be placed on the doctrines of God, man, and salvation. Offered in alternate years.

**304 The Biblical Prophets 4 hpw**

*Doubles* An examination of the roots and development of the concern of Biblical religious faith with society. This course places heavy emphasis upon the Old Testament prophets. A knowledge of French or German will be helpful. Offered in alternate years.

**306 American Religious Thought 4 hpw**

*Hix* An investigation of selected movements, men, and ideas that have contributed significantly to the development of American religious traditions. Offered in alternate years.

**310 Studies in Hinduism 4 hpw**

*Crosley* An investigation of selected areas of the Hindu tradition, with emphasis on Hindu responses to intellectual and institutional changes in the modern world. Offered in alternate years, spring term. (Also offered as Philosophy 310.)

**312 Studies in Buddhism 4 hpw**

*Crosley* An investigation of the development of the Buddhist tradition in the cultural settings of India, Southeast Asia, China, and Japan. Offered in alternate years, spring term. (Also offered as Philosophy 312.)

*Sp '72 Bulllock*

- 401. Modern Christian Thought 4 hpw**  
*Heil*  
 A survey of contemporary trends in Christian thought. The works of such leading 20th century theologians as Barth, Brunner, Bultmann, Niebuhr, Tillich, and Bonhoeffer are studied. The place of the "death of God" theologians is also considered.
- 402. Christian Social Ethics and Contemporary Issues 4 hpw**  
*Heil*  
 An investigation of the presuppositions of Christian faith and its applications to life. Possible areas of treatment: the new morality and social conscience; work and leisure; affluence and poverty; modern social forces of urbanism, industrialism, secularism; the church and power structures; and race and the Christian conscience.
- 405. The Fourth Gospel 4 hpw**  
*Reinhold*  
 A study of the major themes in the Gospel according to John with special emphasis on the author's adaptation to the cultural changes faced by the church in the Hellenistic world. Attention is also given to the first letter of John. Offered in alternate years.
- 406. The Roots of Christianity 4 hpw**  
*Donelan*  
 A study of the thought of the Old Testament and inter-Testament people as it developed, with a particular emphasis upon those elements which reached mature expression in the Christian faith. A working knowledge of French or German will be helpful. Offered in alternate years.

**190, 290 Special Studies in Religion**  
**390, 490**

This course, initiated by the professor, provides opportunity for small classes to do intensive study or research in some special field of religion under faculty direction. The level of work will be indicated by the course number used.

**199, 299 Guided Independent Study in Religion**  
**399, 499**

This provides for a project initiated by the student. The project must be submitted to the division on the proper forms for approval. The level of work will be indicated by the course number used.

**PHILOSOPHY**

*Professor Alexander; Assistant Professors Crossley, Ludlow, Prust*  
 Philosophy 201 is the prerequisite for all other courses in philosophy except as noted.

**201 Introduction to Philosophy**

An introduction to philosophy through selected readings representing Western thought in the context of Greek, Hellenistic, Medieval, and modern European cultures. (Offered only as a component of Christianity and Culture 101-102, 201-202.)

- 202 Basic Problems of Philosophy 3 hpw**  
 A systematic consideration of the basic problems of philosophy, such as the nature of reality, the possibilities of human understanding, the relation of the mind to physical existence, the difference between right and wrong, the relation between the individual and society.
- 209 Studies in Judaism 3 hpw**  
 A study of the development of Jewish faith and tradition from the time of Ezra to the present, with emphasis on Judaism in the modern world. Offered in alternate years, fall term. (Also offered as Religion 209.)
- 210 Introduction to Logic 3 hpw**  
 A study of traditional and Aristotelian logical structures and categories, and an introduction to inductive or inferential processes. Offered alternate years. No prerequisites. Open to freshmen and sophomores.
- 211 Studies in Islam 3 hpw**  
 A study of the development of Islamic faith and tradition from the time of Muhammad to the present, with special emphasis on Islam in the modern world. Offered in alternate years, fall term. (Also offered as Religion 211.)
- 300 Ethics 4 hpw**  
 A critical and systematic evaluation of the historical alternatives which confront men today with regard to the meaning of such categories as right and wrong, good and evil, and justice and injustice. Offered alternate years.
- 301 History of Philosophy — Hellenic and Hellenistic 4 hpw**  
 A study of the major thinkers and movements of the Greek and post-Hellenic world, beginning with the pre-Socratics, the first philosophers in the Western world, and concluding with philosophy in Roman times. Concentration upon Plato and Aristotle.
- 302 History of Philosophy — Patristic and Medieval 4 hpw**  
 A study of philosophy as created by Jewish, Christian, and Islamic cultures and of the problems posed for philosophy by the monotheistic faiths. This course will consider the background and contributions of such men as Augustine, Anselm, Averroes, Maimonides, and Thomas Aquinas.
- 303 History of Philosophy — Modern 4 hpw**  
 A study of the impact of modern science on Western philosophy and the response of major thinkers to changes in views of the world and man. The course concentrates on the major figures from Descartes to Kant.

- 304 History of Philosophy — Recent or Post-Kantian 4 hpw**  
 A study of the development of thought from Kant to Hegel and of the varieties of reaction to Hegelianism, including that of Kierkegaard, Nietzsche, and Marx. Some consideration will be given to other 19th century philosophies.
- 309 Aesthetics 4 hpw**  
 A critical examination of what men have considered beautiful and perceptually satisfying or pleasing. The course involves an historical study of the norms used to evaluate "the beautiful" as well as a systematic study of the relationship of "the beautiful" to reality, to the beholder, and to the artist. Offered alternate years.
- 310 Studies in Hinduism 4 hpw**  
 An investigation of selected areas of the Hindu tradition, with emphasis on Hindu responses to intellectual and institutional changes in the modern world. Offered in alternate years, spring term. (Also offered as Religion 310.)
- 311 Symbolic Logic 4 hpw**  
 A study of the modern developments in logic which extend the formal structures to include not only categorical sentences and syllogistic forms but also truth-functional logic and quantificational symbol systems. Offered alternate years.
- 312 Studies in Buddhism 4 hpw**  
 An investigation of the development of the Buddhist tradition in the cultural settings of India, Southeast Asia, China, and Japan. Offered in alternate years, spring term. (Also offered as Religion 312.)
- 314 Philosophy of Religion 4 hpw**  
 An examination of the nature of religion, its relation to other areas of thought and experience, and its primary expressions in doctrines, worship, and patterns of conviviality. Offered alternate years. No prerequisite.
- 401 The Analytic Tradition 4 hpw**  
 An investigation of the various schools of language analysis which have developed in this century. Russell, Wittgenstein, the logical positivists, G. E. Moore, and such contemporary thinkers as Austin, Strawson, and Ryle will be considered.
- 402 Existentialism 4 hpw**  
 The philosophy of existence, studied through the works of such thinkers as Nietzsche, Sartre, Jaspers, Berdyaev, Ortega, Buber, and Camus. Existentialism in its influence in political theory, literature, and the fine arts is also treated.

- 403 Phenomenology 4 hpw**  
 The development of phenomenology from Husserl to contemporary thinkers such as Max Scheler, Maurice Merleau-Ponty, Erwin Straus, Paul Ricoeur, and John Wild.
- 404 American Philosophy 4 hpw**  
 An investigation of American contributions to philosophy. Readings drawn from the works of James, Dewey, Peirce, Whitehead, and Royce.
- 406 Advanced Problems in Philosophy 4 hpw**  
 A critical examination of current philosophic problems and their historical antecedents, with special attention given to the student's abilities to face these problems creatively and imaginatively. Prerequisite: Senior standing.
- 190, 290 Special Studies in Philosophy**  
**390, 490**  
 This course, initiated by the professor, provides opportunity for small classes to do intensive study or research in some special field of philosophy under faculty direction. The level of work will be indicated by the course number used.
- 199, 299 Guided Independent Study in Philosophy**  
**399, 499**  
 This provides for a project initiated by the student. The project must be submitted to the division on the proper forms for approval. The level of work will be indicated by the course number used.



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R. Davidson Hall <i>Belmont, N. C.</i>	The Rev. E. Lee Stoffel <i>Charlotte, N. C.</i>

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Mary Wells McNeill, B.A., *Director of Financial Aid*

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John E. Haluska, B.S., *Programmer*

**DIRECTOR OF PHYSICAL EDUCATION AND VARSITY ATHLETICS**

Rufus R. Hackney, Jr., M.A., Ph.D.\*

Floyd E. Blackwell, *Director of Physical Education Center*

**COLLEGE PHYSICIANS / Hugh M. McArn, Jr., M.D./David A. Williams, M.D.**

Billie A. Lane, G.N., *College Nurse*

**PRESBYTERIAN GUIDANCE CENTER / Alfred E. Thomas, B.D., Ph.D., Dir.**

Elbert Roy Patton, M.S., *Assistant Director*

Lucylle Crook Keylon, M.A., *Counselor*

\* On leave, 1971-72.

**The Faculty****EMERITI**

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*B.Ph., Emory University*

*B.D., Columbia Theological Seminary*

*D.D., Southwestern at Memphis*

*LL.D., Davidson College*

Robert F. Davidson, Dean Emeritus

*B.A., Davidson College*

*M.A., Oxford University*

*Ph.D., Yale University*

Louis C. LaMotte, Professor of Greek and Director of Summer School Emeritus

*B.A., Presbyterian College of South Carolina*

*M.A., University of South Carolina*

*B.D., Columbia Theological Seminary*

*Th.M., Princeton Theological Seminary*

*Th.D., Union Theological Seminary*

*D.D., Presbyterian College*

James E. Carver, Professor of English Emeritus

*B.A., University of Richmond*

*M.A., University of North Carolina at Chapel Hill*

*Ph.D., New York University*

Carol Robertson, Professor of History Emeritus

*B.S., George Peabody College*

*M.A., Columbia University*

Ethel Bateman, Associate Professor of Physical Education Emeritus

*B.A., Winthrop College*

*M.A., Columbia University*

Margaret W. Bowen, Associate Professor of Religious Education Emeritus

*B.A., Mary Baldwin College*

*M.A., Columbia University*

Floyd E. James, Associate Professor of Mathematics Emeritus

*B.A., Hanover College*

*M.A., University of North Carolina at Chapel Hill*

Genevieve M. Neighbors, Associate Professor of Education and Social Science Emeritus

*B.A., Flora Macdonald College*

*B.A., M.A., University of North Carolina at Chapel Hill*

**PROFESSORS**

William M. Alexander, Professor of Philosophy and Religion (1961)

*A.B., Davidson College*

*S.T.M., Harvard Divinity School*

*Th.D., Princeton Theological Seminary*

*Year in parentheses indicates year joined faculty.*

- Victor C. Arnold, Dean of the College and Professor of History (1971)  
*B.A., Western Michigan University*  
*M.A., Ph.D., University of Wisconsin*
- Carl D. Bennett, Professor of English (1959)  
*B.A., M.A., Ph.D., Emory University*
- Philip Leslie Bullock, Professor of Religion and Division Chairman (1948)  
*B.S., North Texas State College*  
*B.D., Th.M., Th.D., Union Theological Seminary in Virginia*
- John P. Daughtrey, Professor of Education and Psychology, Coordinator of the Summer School Program, and Chairman of the Teacher Education Program\* (1956)  
*B.S., University of Virginia*  
*M.S., University of North Carolina at Chapel Hill*  
*Ed.D., University of Florida*
- Rodger W. Decker, Dean of Students (1952)  
*B.A., Hope College*  
*M.A., State University of New York at Albany*  
*Ed.D., Columbia University*
- Donald J. Hart, President of the College (1969)  
*B.A., Lake Forest College*  
*M.A., Ph.D., University of Wisconsin*
- Harry L. Harvin, Professor of History and Politics \* (1960)  
*B.A., Wofford College*  
*M.A., Ph.D., Duke University*
- Herbert A. Horn, Professor of Piano (1963, 1969)  
*B.M., DePaul University*  
*M.M., D.M.A., University of Southern California*
- G. Tyler Miller, Jr., Professor of Chemistry (1966)  
*B.S., Virginia Military Institute*  
*M.S., Ph.D., University of Virginia*
- ✓ Helen Rogers, Professor of Music Theory (1955)  
*B.M., Susquehanna University*  
*M.M., Northwestern University*  
*Ph.D., Indiana University*
- Alvin H. Smith, Professor of Psychology and Division Chairman (1965)  
*B.A., M.Ed., Ph.D., University of Missouri*
- W. D. White, Professor of English and Religion and Division Chairman (1965)  
*B.A., M.A., Baylor University*  
*Ph.D., University of Texas (English)*  
*M.A., Ph.D., Princeton University (Religion)*

\* On leave of absence, fall term, 1971-72.  
 Year in parentheses indicates year joined faculty.

## ASSOCIATE PROFESSORS

Donald G. Barnes, Associate Professor of Chemistry and Physics (1967)  
*B.A., College of Wooster*  
*Ph.D., Florida State University*

Ronald H. Bayes, Writer in Residence and Associate Professor of English (1968)  
*B.S., M.S., Eastern Oregon College*  
*University of Pennsylvania, 1959-60*

Malcolm C. Doubles, Associate Professor of Religion \*\* (1965)  
*B.A., Davidson College*  
*B.D., Union Theological Seminary in Virginia*  
*Ph.D., University of St. Andrews, Scotland*

J. Rodney Fulcher, Associate Professor of History and Division Chairman (1962)  
*B.A., Duke University*  
*M.A., Ph.D., Princeton University*

Carl W. Geffert, Associate Professor of German and Coordinator of Winter Term (1963)  
*B.A., University of Virginia*  
*M.A., University of California*

Rufus R. Hackney, Jr., Associate Professor of Physical Education, Director of Physical Education and Varsity Athletics\*\* (1961)  
*B.A., M.A., Ph.D., University of North Carolina at Chapel Hill*

Douglas W. Hix, Associate Professor of Christian Thought and Director of the Christianity and Culture Program (1968)  
*B.A., Davidson College*  
*B.D., Columbia Theological Seminary*  
*Ph.D., Duke University*

James D. J. Holmes, Associate Professor of Business (1969)  
*B.S., M.S., University of Alabama*  
*C.P.A., State of Mississippi*

Charles W. Joyner, Associate Professor of History (1966)  
*B.A., Presbyterian College of South Carolina*  
*M.A., Ph.D., University of South Carolina*

William W. Kitchin, Associate Professor of Sociology and Director of Core Program in Social and Behavioral Sciences (1971)  
*B.A., Washington and Lee University*  
*M.Ed., College of William and Mary*  
*Ph.D., University of North Carolina at Chapel Hill*

\*\* On leave of absence, 1971-72.

Year In parentheses Indicates year joined faculty.

Richard J. Lietz, College Librarian (1966)

*B.A., Oglethorpe University*  
*M.S. in L.S., Florida State University*

Arthur W. McDonald, Associate Professor of Speech and Theatre and  
Division Chairman (1962)

*B.A., University of Georgia*  
*B.D., Union Theological Seminary in Virginia*  
*M.A., University of North Carolina at Chapel Hill*  
*University of Indiana, 1967-68*

✓ Leta W. McIntyre, Associate Professor of Business Education† (1942)

*B.S., Winthrop College*  
*M.Ed., University of North Carolina at Greensboro*

David A. McLean, Associate Professor of Anthropology\* (1962)

*B.A., Davidson College*  
*B.D., Union Theological Seminary in Virginia*  
*M.A., Ph.D., University of Witwatersrand*

Stuart A. Marks, Associate Professor of Anthropology (1970)

*B.S., North Carolina State University*  
*M.S., Ph.D., Michigan State University*

George E. Melton, Associate Professor of History (1968)

*B.S., Davidson College*  
*M.A., Ph.D., University of North Carolina at Chapel Hill*

William H. Morgan, Associate Professor of Mathematics (1961, 1970)

*B.S., Appalachian State University*  
*M.Ed., University of North Carolina at Chapel Hill*  
*Ed.D., University of Georgia*

✓ Catharine E. Neylans, Associate Professor of French (1958)

*B.A., Wesleyan College*  
*M.A., Ph.D., University of North Carolina at Chapel Hill*

Robert A. Pedigo, Mary Reynolds Babcock Associate Professor of Biology  
and Division Chairman (1967)

*B.S., Butler University*  
*M.S., Ph.D., Emory University*

Gregory M. Posnick, Associate Professor of Psychology (1971)

*B.A., Queens College, New York*  
*Ph.D., Duke University*

William W. Rolland, Associate Professor of Computer Science and Director  
of the Computer Center (1968)

*B.A., King College*  
*Ph.D., Duke University*

\*On leave of absence, fall term, 1971-72.

† Part time.

Year in parentheses indicates year joined faculty.

William H. Somerville, Associate Professor of Mathematics (1971)

*B.A., King College*

*Ph.D., University of North Carolina at Chapel Hill*

Alfred E. Thomas, Director of the Guidance Center and Associate Professor of Psychology † (1970)

*B.A., Davidson College*

*B.D., Union Theological Seminary in Virginia*

*Ph.D., University of North Carolina at Chapel Hill*

Gentry W. Wade, Associate Professor of Business and Economics (1958)

*B.S., Oregon State College*

*M.A., New York University*

David E. Wetmore, Associate Professor of Chemistry (1967)

*B.A., Park College*

*M.A., University of Kansas*

*Ph.D., Texas A & M University*

John E. Williams, Associate Professor of Organ (1951)

*B.M., Oberlin Conservatory of Music*

*M.M., University of Michigan*

#### ASSISTANT PROFESSORS

Arthur L. Applegate, Assistant Professor of Biology (1970)

*B.S., Wake Forest University*

*M.S., University of South Carolina*

*Ph.D., Emory University*

Edwin L. Barlow, Assistant Professor of Voice (1971)

*B.A., Pfeiffer College*

*M.M., University of Southern California*

Aaron Earl Blair, Assistant Professor of Botany (1970)

*B.A., Kansas Wesleyan University*

*M.S., North Carolina State University*

Monique H. Brockmann, Assistant Professor of French (1970)

*Baccalaureat, Lycée Camille Sée, Paris*

*M.A., University of North Carolina at Chapel Hill*

Cornelius Bushoven, III, Assistant Professor of Politics (1969)

*A.B., Davidson College*

*M.A., Ph.D., Duke University*

John C. Clausz, Assistant Professor of Biology (1969)

*B.A., Ohio Wesleyan University*

*M.A., Ph.D., University of North Carolina at Chapel Hill*

† Part time.

Year in parentheses indicates year joined faculty.

- Ronald C. Crossley, Assistant Professor of Religion (1968)  
*B.A., Samford University*  
*B.D., Southern Baptist Theological Seminary*  
*Ph.D., Duke University*
- George L. Fouke, Assistant Professor of Politics (1969)  
*B.A., Lafayette College*  
*M.A., University of Pennsylvania*  
*University of Colorado, 1966-69*
- Harold W. French, Assistant Professor of Religion (1971)  
*B.A., York College*  
*B.D., United Seminary, Dayton, Ohio*  
*S.T.M., Boston University*  
*McMaster University, 1968-71*
- Jeffrey T. Gross, Assistant Professor of English (1969)  
*A.B., University of Chicago*  
*M.A., University of Virginia*
- Betty S. Johnson, Assistant Professor of Sociology† (1962)  
*B.A., Valdosta State College*  
*M.A., University of North Carolina at Chapel Hill*
- Charles E. Johnson, Jr., Assistant Professor of English\*\* (1965)  
*B.A., University of North Carolina at Chapel Hill*  
*B.D., Duke University*  
*The Sorbonne, University of Paris, 1946-47*
- F. Whitney Jones, Assistant Professor of English (1971)  
*B.A., Hamilton College*  
*Ph.D., University of North Carolina at Chapel Hill*
- David R. Lively, Assistant Professor of Spanish (1971)  
*B.A., M.A., Stephen F. Austin State University*  
*University of Kentucky, 1966-71*
- Ilia M. Lively, Assistant Professor of Spanish† (1971)  
*B.A., M.A.T., University of Florida*  
*University of Kentucky, 1966-71*
- Luther Spencer Ludlow, Jr., Assistant Professor of Philosophy (1962)  
*B.A., Mercer University*  
*B.D., Union Theological Seminary in New York*  
*Duke University, 1960-62*
- Derek S. Myers, Assistant Professor of Art (1970)  
*B.A., Knox College*  
*M.A., M.F.A., University of Iowa*

\*\*On leave of absence, 1971-72.

† Part time.

Year in parentheses indicates year joined faculty.

- W. D. Narramore, Jr., Assistant Professor of Speech and Theatre (1966)  
*B.A., Austin College*  
*M.F.A., University of Texas*  
*Florida State University, 1970-71*
- Richard C. Prust, Assistant Professor of Philosophy (1967)  
*B.A., University of Wisconsin*  
*B.D., Yale University*  
*Ph.D., Duke University*
- David P. Schenck, Assistant Professor of French (1971)  
*B.A., Ripon College*  
*M.A., University of North Carolina at Chapel Hill*  
*Ph.D., Pennsylvania State University*
- Lawrence E. Schulz, Assistant Professor of Politics (1971)  
*B.A., Redlands College*  
*M.A., Claremont College*
- David G. Singleton, Assistant Professor of Mathematics (1966)  
*B.S., Purdue University*  
*M.A.T., Duke University*
- Thomas C. Somerville, Assistant Professor of Church Music and Director  
of the College Choir (1965)  
*B.A., B.M., University of Dubuque*  
*M.M., University of Southern California*
- James F. Stephens, Assistant Professor of Chemistry (1969)  
*B.S., West Virginia University*  
*M.S., Marshall University*  
*Ph.D., University of Tennessee*
- Clarence E. Styron, Jr., Assistant Professor of Biology (1969)  
*B.S., Davidson College*  
*M.S., Ph.D., Emory University*
- Cornelius M. Swart, Assistant Professor of Education (1968)  
*B.A., University of North Carolina at Chapel Hill*  
*M.A., George Peabody College for Teachers*
- Grace W. Templeton, Assistant Professor of Education (1970)  
*B.A., Flora Macdonald College*  
*M.Ed., University of North Carolina at Chapel Hill*
- Arthur W. Varnes, Assistant Professor of Chemistry\*\* (1970)  
*B.A., Occidental College*  
*Ph.D., University of Indiana*
- Grace McS. White, College Counselor and Assistant Professor of English†  
(1967)  
*B.A., University of Texas*  
*M.A.T., University of North Carolina at Chapel Hill*

\*\*On leave of absence, 1971-72.

† Part time.

Year in parentheses indicates year joined faculty.

Thomas M. Whiteley, Assistant Professor of Physical Education and Head  
Basketball Coach

*B.A., Guilford College*

*University of North Carolina at Greensboro, 1969-71*

✓ Jo Ann Williams, Assistant Professor of Physical Education (1966)

*B.A., High Point College*

*M.Ed., University of North Carolina at Chapel Hill*

#### DeTAMBLE LIBRARY FACULTY

Richard J. Lietz, Librarian (1966)

*A.B. Oglethorpe University*

*M.S. in L.S., Florida State University*

✓ Margaret W. Bennett, Associate Librarian and Cataloger (1961)

*B.A., Valdosta State College*

*A.B. in L.S., Emory University*

✓ Elizabeth A. Holmes, Acquisitions Librarian (1966)

*B.A., M.A. in L.S., Florida State University*

Lois M. Lietz, Reference Librarian (1967)

*B.A., Agnes Scott College*

*M.A., University of Virginia*

*M.S. in L.S., University of North Carolina at Chapel Hill*

#### INSTRUCTORS

R. Gerald Griffin, Head Baseball Coach and Instructor in Physical Education† (1965)

*B.S., M.Ed., University of North Carolina at Chapel Hill*

Robbin K. Kinne, Instructor in Physical Education (1970)

*B.S., East Stroudsburg State College*

*M.S., University of Oregon*

Joseph B. Murray, Instructor in Economics (1970)

*B.A., LaSalle College*

*Rutgers University, 1966-69*

Mark L. Smith, Instructor in Art (1970)

*B.F.A., Miami University, Ohio*

*M.F.A., Bowling Green State University*

George W. Weimer, Instructor in Music (1970)

*B.M., Ohio State University*

*M.M., University of Illinois*

\* \* \*

Rooney L. Coffman, Instructor in Science Laboratories and Director of Logistics (1968)

*B.A., St. Andrews Presbyterian College*

John E. Häluska, Instructor in Computer Science (1970)

*B.S., North Carolina State University*

† Part time.

Year in parentheses indicates year joined faculty.



## Honors

The College has designed its academic program with considerable flexibility as part of its aim of encouraging maximum development of each student's potential. At the same time it seeks to encourage and formally recognize superior academic achievement. To that end, the College has a number of academic honors which it awards to students during their undergraduate years.

**Vardell Scholarships** — The College annually awards a Vardell Scholarship to approximately ten members of the incoming freshman class. These four-year scholarships, highest academic scholarship award of the College, are based on academic record, character, and leadership potential. Ranging in value from \$200 to \$2800 per year as determined by need, the awards are renewed each year upon maintenance of a satisfactory record.

The Vardell Scholars for 1970-71:

*Katherine Y. Burns, Sanford, North Carolina*  
*John E. Bush, Augusta, Georgia*  
*Stevie O'Neal Daniels, Birmingham, Alabama*  
*Susan F. Harris, Raleigh, North Carolina*  
*Anne W. Holder, Nashville, Tennessee*  
*Steven McAlister, Jacksonville, Florida*  
*Joyce Gail Moser, Maxton, North Carolina*  
*Bruce Allen Taylor, St. Petersburg, Florida*  
*Walter D. Thompson, Julian, North Carolina*

**Sophomore Honors, Sophomore Scholars** — Each spring the College awards Sophomore Honors to students who have earned an average of 3.0 or better through the winter term of their sophomore year. From this group the College selects those with highest academic records as Sophomore Scholars, a distinction that also carries a \$500 scholarship award.

Sophomore Scholars for 1970-71:

*Nancy Irene Baker, Winston-Salem, North Carolina*  
*James Virgil Bender, Pollocksville, North Carolina*  
*Bette Lynn Boykin, Arlington, Virginia*  
*John A. Bullard, LaGrange, Georgia*  
*John Taylor Graham, Sarasota, Florida*  
*Dianne Marie Liverman, Elizabeth City, North Carolina*  
*Rex A. McGuinn, Anniston, Alabama*  
*Joan E. McKechnie, Camp Hill, Pennsylvania*  
*Daphne Miller O'Neal, Belhaven, North Carolina*  
*Teresa Joan Riddle, Sanford, North Carolina*  
*Kenneth C. Stewart, Jr., Midland, North Carolina*  
*Barbara Jean Stone, Savannah, Georgia*  
*Katherine L. White, Concord, North Carolina*

**St. Andrews Honor Society** — Honor Society membership is awarded to junior and senior students who have earned an overall average of 3.25 or better on 18 courses at St. Andrews. Members serve as marshals at convocations and special events, and members who are juniors serve as marshals at Commencement.

Honor Society members for 1970-71:

<i>Anita B. Adams</i>	<i>Peggy Lee Oliver</i>
<i>George L. Bernhardt, Jr.</i>	<i>Scott E. Powers</i>
<i>Sarah B. Edmonds</i>	<i>Vicki Jean Sheppard</i>
<i>Millicent Gibson</i>	<i>Patricia C. Slaughter</i>
<i>Diane Grant</i>	<i>Elmer Lee Southwell</i>
<i>Dianne Huckins</i>	<i>Sarah Catherine Speer</i>
<i>Susan Hunting</i>	<i>Alice T. Squires</i>
<i>Mary E. Hutcheson</i>	<i>Donald E. Stroud</i>
<i>Sarah C. Isley</i>	<i>Jane K. Wilfong</i>
<i>Sara P. Lee</i>	<i>Lucy Dancy Wilson</i>

**Honor Graduates** — At Commencement St. Andrews bestows special recognition upon those students whose academic work has been of superior quality. To those with an average of 3.25 or better, degrees are awarded with honors. To those with an average of 3.5 or better, degrees are awarded with high honors. Transfer students will be evaluated for honors on an individual basis by the Faculty.

Honor Graduates of the Class of 1970:

High Honors

*Lydia Fuller Johnson, Jefferson, N.C.*  
*Brenda Ann Kinlaw, Fayetteville, N.C.*  
*Susan Cotton Klopman, Winston-Salem, N.C.*

Honors

*Michael Ray Ferrell, Fayetteville, N.C.*  
*Martha Graham Goodman, Lexington, Virginia*  
*Marianna Dail Hardison, New Bern, N.C.*  
*Patricia Bell Highfill, Raleigh, N.C.*  
*Paula Hayne Liles, Bennettsville, S.C.*  
*Thomas Penn May, Jr., Wilmington, N.C.*  
*Mary Randolph Prince, Petersburg, Virginia*  
*Patricia Ann Snipes, Albemarle, N.C.*  
*Sarah Archie Watson, Rowland, N.C.*  
*Judy Dianne White, Concord, N.C.*



**Alabama**

**Birmingham**

*Bennett, Walter L.*  
*Daniels, Stevie O.*  
*Gaskin, James McC.*  
*Warren, William T., III*

**Other cities**

*Baney, Robert M., Daleville*  
*Burdett, Allen M., III, Ft. Rucker*  
*Edmonds, Sarah B., Maxwell AFB*  
*Kutack, Mardi Ann, Fairhope*  
*McGuinn, Rex A., Anniston*  
*Smith, Carroll, Dothan*  
*Strickland, Mary E., Albertville*

**California**

*Duddy, Sara L., Ft. McArthur*  
*Jackson, E. Janelle, LaMesa*  
*Rose, Thomas P., Woodside*  
*West, Elizabeth C., Modesto*

**Connecticut**

*Barclay, John W., New Haven*  
*Blackburn, Sallie J., Norwalk*  
*Buffington, Robert E., Hartford*  
*Coye, Richard Jay, Darien*  
*D'Adamo, Theresa U., Branford*  
*Dolge, David B., Jr., Stafford Springs*  
*Haigler, Rebecca, New Canaan*  
*Mustard, William N., Manchester*  
*Skutch, I. Frederick, Greenwich*  
*Van Den Heuvel, John, Darien*

**Delaware**

*Conway, Barbara L., Wilmington*  
*Howell, John R., Dover*  
*Lauber, Annette, Seaford*

**Florida**

**Clearwater**

*Fernandez, Antonio A.*  
*Smith, Ellen C.*

**Ft. Lauderdale**

*Haddix, James E.*  
*Hunting, Susan*  
*Wilkinson, Vincent S.*  
*Winters, Katrina*

**Jacksonville**

*Carson, Dale Craig*

*Christian, Thomas J. J.*  
*Goedert, Lucy Lee*  
*McAlister, Steven M.*  
*Schurke, Robert H.*  
*Scrogins, Raymond L.*

**Miami and Area**

*Finnicum, Glenna L., Miami Springs*  
*Fletcher, Michael T.*  
*Morgan, Richard R., North Miami*  
*Ralph, David A.*  
*Ralph, Richard F.*

**Palm Beach and Area**

*Bateman, Cynthia Louise*  
*Von Buelow, Robert L., W. Palm Beach*

**St. Petersburg**

*Bond, Barbara W.*  
*Erwin, Riley William*  
*Hamilton, Diane*  
*Lee, Ammie B.*  
*Pilkington, Frances Ivy*  
*Pilkington, Melissa A.*  
*Siden, Watson Rankin*  
*Stawski, Robert M.*  
*Taylor, Bruce Allen, Jr.*

**Sarasota**

*Bryne, Joanna Lynn*  
*Graham, John T., Jr.*

**Tampa**

*Byars, Oraleze D.*  
*Hess, Galen O.*

**Winter Park**

*Bearse, Ellen*  
*Derr, George C.*  
*Gray, Judith Ann*

**Other Cities**

*Chappell, Clarence C., Orange Park*  
*Campbell, Wesley Lee, Jr., Titusville*  
*Dennison, Carolyn Louise, Gainesville*  
*Finger, Paul E., III, Boca Raton*  
*Futral, William J., Frostproof*  
*Litchford, Stephen D., Palm Harbor*  
*Lancashire, Merry C., Winter Haven*  
*Smith, Christopher C., Pompano Beach*  
*Sperling, Thomas W., Jr., DeLand*  
*Roane, Thomas H., Bushnell*

**Georgia**

**Atlanta and Area**

*Allen, Robert D., Decatur*

Allgood, Michael P.  
 Briggs, Frederick W., Chamblee  
 Brown, Stewart F.  
 Buffington, J. A., Jr., Roswell  
 Barnett, Mary C.  
 Breckenridge, R. Scott  
 Chelette, Dairlyn Jo, Doraville  
 Cooper, Donald G.  
 Copelan, Patricia I., Decatur  
 Culwell, Kenneth G.

Dean, Toni D., Alpharetta  
 Ewart, Laurie W., Decatur  
 Flinchum, Nathan  
 Ferry, Alan E.  
 Humphress, Laura Kay, Chamblee  
 Hunter, Charles V., Jr.  
 Howard, Michael D.  
 Kennedy, Karen E., Chamblee  
 Lathem, Louie P., III  
 Leslie, M. Linda, Avondale Estates  
 Johnson, Debra Lynn  
 Moore, Karen Jane  
 Merritt, Mary Ann  
 Morrison, Thad III  
 Moyers, Suzanne  
 Mobley, Darlene A.  
 Nesbit, Katrina R.  
 Pledger, Margaret F.  
 Pledger, Patricia A.  
 Rogers, Hudson C.  
 Saunders, William H., Jr.  
 Smith, Princess A. J.  
 Stevenson, Angela Beth  
 Vardeman, Frances H.  
 Vendrell, Virginia M.  
 Warren, Thomas Paul

**Augusta**

Bush, John E.  
 Darby, Mary Anne  
 Sloan, James Robert  
 Von Unwerth, R. G.

**Athens**

Noland, Jean Rogers  
 Wilfong, Jane K.

**Savannah**

Depkin, Katherine D.  
 Heery, Marvin P., III  
 Parr, Francis Marion  
 Southwell, Elmer Lee, III

Stone, Barbara Jean  
 Welch, Richard E.

**Other Cities**

Bullard, John A., LaGrange  
 Jones, F. Hosea, Macon  
 Lanier, Stanley L., Waycross  
 Lundy, Karen L., Albany  
 Moore, Iris B., Toccoa Falls  
 Parks, Loretta R., Cedartown  
 Smith, John Mark, Clayton

**Illinois**

Brinker, John H., Lake Forest  
 Vernooy, Jeff Allen, Grayslake

**Kentucky**

**Hazard**

Morton, Frances E.  
 Sturgill, Paul J.

**Louisville**

Arnett, Elaine R.  
 Davis, Katherine P.  
 Moore, Jacquelyn  
 VanZandt, M. Lee  
 Wilhoite, Donald E.

**Other Cities**

Codell, Carol S., Winchester  
 Denham, Suzanne, Middlesboro  
 Dickson, Jennifer Parker, Warsaw  
 Edwards, Judith Gale, Shelbyville  
 Forbes, Mary Anne, Hopkinsville  
 Orttenburger, Marsh C., Richmond  
 Scott, Lucy Anne, Frankfort

**Louisiana**

Koch, Kathleen K., Baton Rouge

**Maine**

Caron, Pamela J., Brunswick  
 Giroux, Christopher C., Fairfield

**Maryland**

(see also Washington, D.C. Area)

**Baltimore**

Gredlein, Gary  
 Hartlove, Walter E.  
 Hundertmark, Glenn S.  
 McQuown, H. Michael

*Rhoderick, John C.*

*Serini, John D.*

*Wagner, David E.*

**Baltimore Area**

*Campbell, Glenn E., Gaithersburg*

*Clegg, F. Louine, Cockeysville*

*Rein, Craig W., Arnold*

**Lutherville**

*Blake, Barbara Jean*

*Cocke, Thomas P.*

*Komar, Janice Evelyn*

**Towson**

*Davis, Emmett Thomas*

*Gregory, Eric William*

*Griffin, J. Nicholas*

*Kauffman, Jennifer Lynn*

*Waters, Marsha Lynn*

*Williamson, John P.*

**Chestertown**

*Cooper, Deborah*

*Gulbrandsen, Susan B.*

**Salisbury**

*Jackson, Sarah M.*

**Massachusetts**

*Berry, Pauline D., Holliston*

*Jones, Margaret W., Framingham*

*Jones, Thomas D., Dover*

*Schmidt, Peter H., Wakefield*

*Simmons, Craig R., Ware*

*Tisdale, Samuel T., Jr., Greenfield*

**Mississippi**

*Blue, Ruthie O., Jackson*

**Missouri**

*Brown, Julia C., St. Louis*

**Nebraska**

*Cook, Judy B., Scottsbluff*

**New Jersey**

**Chatham**

*Fisher, Thomas M.*

*Mowen, John H., Jr.*

**Riverton**

*Barclay, W. Douglas*

*Brigg, Jeffrey MacNeal*

*Eipper, John Channing*

**Trenton**

*Judge, Richard J.*

*Lamont, Catherine Ann*

**Westfield**

*Robinson, Jill A.*

*Willcox, Constance Jean*

**Other Cities**

*Alston, Douglas S., Short Hills*

*Came, Harry E., Mountain Lake*

*Crawley, Deborah G., Montclair*

*DeTosto, Henry Paul, N. Arlington*

*Ficken, Peter K., Sea Girt*

*Fort, George M., Burlington*

*Grant, Heather J., Mountainside*

*Griffith, David L., Lincoln Park*

*Hannas, Craig W., Cranbury*

*Kurtz, Susanne M., Rahway*

*Maley, Suzanne, Medford Lakes*

*McKenzie, Ann Sharon, New Providence*

*Mebane, Nancy F., Plandome*

*Neill, Jeffrey T., Haddonfield*

*Papp, Allen N., Perth Amboy*

*Stahlberger, Charles, Bridgeton*

*Tebo, Mary Virginia, Eatontown*

**New Mexico**

*Andrews, Susan E., Albuquerque*

**New York**

**Scarsdale**

*Rohrmann, Nancy*

*Rohrmann, Rita D.*

*Upjohn, George V.*

**Other Cities**

*Cassel, Irene, Buffalo*

*Kascher, Suzanne B., Rochester*

*St. John, Leslie A., Glenmont*

*Slaney, Susan O., Port Washington*

*Van Uik, Jay, Port Washington*

**North Carolina**

**Albemarle**

*Garrison, J. Banks, Jr.*

*Treece, David Alan*

*Wall, Nathaniel C.*

**Andrews**

*Heaton, Carolyn Elaine*

*Rodda, Susan Katherine*

Asheville

Abell, Christopher M.  
Gardner, K. Deering  
Rosenstein, Jack  
Weber, John Henry, Jr.

Belhaven

Brinson, Jennifer Susan  
O'Neal, Daphne

Bladenboro

Carroll, Rebecca Mae  
Hall, Henry Lee  
Nance, Paula Marie  
Singletary, George H.  
Skipper, Larry B.  
Smith, Ruby Grey  
Taylor, Frieda K.  
Walters, Carter A.  
Walters, Michael Lee

Boone

Dougherty, Jane Grace  
Isley, Sarah Catherine

Burlington

Barber, Steve  
Rountree, Roger R.

Chapel Hill

Barton, Craig B.  
Baughman, Gretchen Ann  
Douglass, Earl J.  
Keller, Frances L.  
McAllister, John F.

Charlotte

Abernathy, Rita Lane  
Boyd, Steven Randall  
Broome, Mildred E.  
Daniel, Mary Green  
Fisher, Don Frederick  
Grant, Mary Diane  
Heaven, Carol Lee  
Heyward, Emma E.  
Killian, Ray A., Jr.  
Kinney, Mildred W.  
Lisenby, Dennis Ray  
Love, Deborah Anne  
McAlister, Robert V., Jr.  
Mell, Paula  
Penninger, William V., Jr.  
Reichard, Wilma Jean  
Reynolds, Michael L.  
Robinson, Daniel D.

Robinson, Richard A.  
Shannon, Ellen Marshall  
Street, Frank L.  
Stroud, Donald E.  
Thompson, Charles P.  
Whitesides, William C.  
Wilson, Susan Leigh

Concord

Fisher, Graham R.  
Huff, Julie Morris  
White, Katherine Louise

Durham

Andrews, Josephine S.  
Ashmore, Hall B.  
Blanchard, Jane G.  
Brame, Randal A.  
Clayton, Ralph W.  
Dillon, Marcus L., III  
Greuling, William M.  
Gordy, Walter T.  
Gunter, Elizabeth Ann  
Harp, Peggy Marion  
Harward, James T.  
Hall, Edna Jo  
Jacobs, Robert R., Jr.  
Lee, Jenny  
Massengill, Stephen E.  
Page, Janice Carol  
Pratt, Charles C.  
Roberts, Paula Sue  
Seigler, Deborah E.  
Smith, Wirt Paddock  
Sutton, Samuel Lee  
Swanson, Karen Hope  
Swanson, Louis E., Jr.  
Sykes, Alvis Wade  
Upchurch, Sarah Beth  
Walker, Jan Rebecca  
Watkins, Kenneth C.  
Whitford, M. Susan

Elizabethtown

Britt, Roger E., Jr.  
Devane, Benjamin C.  
Greene, Edwina Cross  
Hall, Anthony Bernard  
Thomas, Angelyn K.

Fayetteville

Cheney, Emily R.  
Cheney, Johanna Lee  
Cheney, Philip M.

- Edens, Julie A.*  
*Grebner, Denise*  
*Grebner, Franz Joseph*  
*Highsmith, Ann C.*  
*Kearney, Katherine M.*  
*Kohrman, Rita Ann*  
*Ligon, Margaret Anne*  
*Linn, Gary W.*  
*Luper, Raymond E., Jr.*  
*McRaine, Pamela Gwen*  
*Simpson, Marguerite L.*  
*Smith, Doris W.*  
*Surles, Susan L.*  
*Voltz, Vicki Jo*  
*Wilkerson, William R.*
- Fuquay-Varina**  
*Oliver, Peggy Lee*  
*Stephens, James I.*
- Gastonia**  
*Bonsac, Shelby Warren*  
*Forrest, Laura Rose*  
*Forrest, William G., Jr.*
- Goldsboro**  
*Allred, Rachel N.*  
*Edgerton, Arnold B., III*
- Greensboro**  
*Allred, David F.*  
*Bunn, Alan L.*  
*Bunn, David Elmo*  
*Ellison, Dianne*  
*Lawing, James R., Jr.*  
*Sanders, Patricia Louise*  
*Sellers, David*  
*Thompson, Walter D., Jr.*  
*Williamson, Sherman*
- Hamlet**  
*Brown, Elisha*  
*Gibbons, Aimee*  
*Lavoie, Marie A.*
- Hickory**  
*Cline, Margaret Jane*  
*Davis, Roger Pryor*  
*Hill, Sara Blum*  
*Smith, Karen Margaret*
- High Point**  
*Pollock, Michael A.*  
*Rankin, Robert B.*  
*Reagan, James S.*
- Reed, Ruth Ellen*  
*Stalder, Helen E.*
- Hudson**  
*Barlow, Ted Steven*  
*Hartley, Ruth E.*
- Huntersville**  
*Monteith, Nancy Jane*  
*Neil, Sara Elizabeth*
- Kinston**  
*Creech, Mansfield H.*  
*Dove, Jacqueline D.*  
*Eutsler, Stuart Keith*  
*Kerr, Mary P.*  
*Watkins, Samuel A., III*
- Laurinburg**  
*Adams, Anita James*  
*Bowyer, Marie Adele*  
*Campbell, Barbara T.*  
*Chaiken, Barbara H.*  
*Dubs, Jane B.*  
*Evans, Hervey III*  
*Gamble, Robert D., Jr.*  
*Hope, Anne Guy*  
*Hope, Jean B.*  
*Johnson, William McC.*  
*Lea, Louisa S.*  
*Lee, Nancy McLean*  
*Long, Amy Horn*  
*McLean, Judith K.*  
*McLean, Lucille Ellen*  
*McMillan, James P., Jr.*  
*Moore, Karen Elizabeth*  
*Parrish, J. Stuart*  
*Richardson, Anne W.*  
*Rogers, Garrie S.*  
*Slaughter, Patricia C.*
- Lenoir**  
*Bernhardt, G. L., Jr.*  
*Johnson, Lydia*  
*Miller, Frances Ann*  
*Robbins, William W.*  
*Underdown, Eleanor B.*
- Lumberton**  
*Bryan, John*  
*Butler, Loren L.*
- Maxton**  
*Bray, Ronald*  
*Guy, David E.*  
*Moser, Joyce Gail*

Monroe

*Baucom, Jean Kaye*  
*McCallum, Stephen S.*  
*Simpson, Milburn W., Jr.*

Mt. Gilead

*Bowden, Lavis C.*  
*Thomas, Brenda Elaine*

Mount Olive

*Carr, Gloria Jean*  
*Carr, Patricia Ann*

New Bern

*Horner, Milton Andrew*  
*May, Haywood G.*  
*Pollock, Sara Elizabeth*  
*Smith, James Shaw*

Raeford

*Chambers, Grace E.*  
*Holt, Cheryl C.*  
*McAnulty, Patrick L.*

Raleigh

*Barrick, James W.*  
*Caldwell, Charles F.*  
*Copeland, Sarah E.*  
*Daniels, Ethel Annette*  
*Harbin, Elizabeth A.*  
*Harris, Susan F.*  
*Hunt, Susan D.*  
*Jernigan, Terri D.*  
*Knowles, Margaret B.*  
*Long, Joseph J., III*  
*Martin, Homer D., Jr.*  
*McIntyre, Martin L., Jr.*  
*Mitchell, William C.*  
*Robinson, John L.*  
*Rowell, Roland*  
*Smith, David Hayes*  
*Smith, Edward T.*  
*Sprunt, Martha*  
*Stuart, Bruce Gordon*

Red Springs

*McKeithan, Carter*  
*McQueen, Linda Lee*  
*Patterson, Wanda D.*

Rockingham

*McCrary, Robert A., Jr.*  
*Parsons, Glenda Mae*  
*White, Sidney O.*

Rowland

*Arrington, Donald B.*  
*Ward, John Wesley, III*

Sanford

*Burns, Katherine Y.*  
*Compton, Catherine S.*  
*Duty, Mary C.*  
*Hayes, Christopher D.*  
*Hayes, Susan Carol*  
*Riddle, Teresa Joan*

Southern Pines

*Innes, Diane Lea*  
*Kerby, Kim*

Tarboro

*Howard, George*  
*Howard, Romaine, Jr.*  
*Martin, Prescott L., Jr.*  
*Mizell, Alonzo Daniel, III*

Tryon

*Albertson, Jeffrey Scott*  
*Vosburgh, Stowell W.*

Wadesboro

*Duncan, Jo Ann*  
*Flowers, Bettye Jo*  
*Flowers, Haze*  
*Polk, Barbara Ann*  
*Spencer, Dianne S.*  
*Steward, Laura Jane*

Wilmington

*Bekaert, Susan R.*  
*Hines, David Mark*  
*Kraly, Mary Louise*  
*Smith, Caroline Wylie*  
*Waggett, Evangeline J.*  
*Williams, Robert J., II*

Winston-Salem

*Baker, Nancy Irene*  
*Breda, Dana Marlowe*  
*Carter, Pamela Faye*  
*Coleman, Francis Alan*  
*Connelly, Lynne*  
*Crosswell, McDuffie K.*  
*Davis, Charles*  
*Durham, Idelle Russell*  
*Goodnough, Mark Lee*  
*Haase, Robert W., III*  
*Harris, Julian Thomas*  
*Hayden, Ronald L.*  
*Hayden, Wilburn, Jr.*

Helms, Martha Jane  
 Hobbs, Wayne Douglas  
 Holder, Robert R.  
 Holder, Rosalind W.  
 Jones, Pamela A.  
 Lawson, Jack N.  
 Lawson, James C., Jr.  
 Long, Matt R., III  
 Martin, Janice Marie  
 McCollum, Julie Ann  
 Morris, Sally Ann  
 Pope, H. James, Jr.  
 Smith, E. Yvette  
 Snyder, Pamela Sue  
 Sohmer, Robert M.  
 Trotter, Thomas W.  
 Westrick, Debra Lynn  
 Williams, Dixon Caldwell

**Other Cities**

Abernathy, Janet R., Stanley  
 Asher, William C., Cary  
 Bartlett, Edwin C., Greenville  
 Bender, James V., Pollockville  
 Bickett, Julia E., Spencer  
 Bray, Ronald E., East Bend  
 Calloway, R. Gail, Highlands  
 Cook, Steven W., Lexington  
 Crudup, Bate T., Henderson  
 Exum, Josiah C., Snow Hill  
 Foil, Nancy J., Mt. Pleasant  
 Fuller, Helen L., Whiteville  
 Gibson, Millicent, Asheboro  
 Gordon, Janice E., West End  
 Grady, Martha Emily, Butner  
 Greeson, Joyce, Thomasville  
 Halyburton, Teresa Ann, Shelby  
 Isaac, Michael, Hoffman  
 Isehour, Shirley, Havelock  
 Klein, James L., Beaufort  
 Leggett, I. Diana, Bear Grass  
 Liverman, Dianne M., Elizabeth City  
 Lutz, James D., Jr., Hendersonville  
 Mallison, Frederick M., Washington  
 Maynard, Hubbard D., Bahama  
 McLawhorn, Jaynie J., Ayden  
 McNeil, Pamela A., Millers Creek  
 Miller, James T., Mt. Airy  
 Miller, T. Davis, Wilson  
 Rader, Mary Susan, Mooresville  
 Reynolds, Paul B., Salisbury

Richards, Susan A., Wallace  
 Ritter, Timothy W., Siler City  
 Roper, John A., Wagram  
 Ross, Margaret M., Lillington  
 Seawell, Karen Anne, Carthage  
 Sharp, Dennis W., Mebane  
 Sheppard, Vickie J., Lilesville  
 Smith, Sally L., Deep Run  
 Snipes, William E., Roxboro  
 Stewart, Kenneth C., Jr., Midland  
 Tuck, S. Theresa, Ansonville  
 Turbyfill, A. Regina, Maiden  
 VanGorder, Catherine S., Andrews  
 Warren, Martha C., Prospect Hill  
 Warren, Wayne, Morganton

**Ohio**

Gehres, Bina Jean, Mt. Vernon  
 Gehres, Hewitt C., Mt. Vernon  
 Kip, Thomas B., Columbus  
 Whitmyre, Leslie Ann, Lima

**Pennsylvania**

**Philadelphia**

Elkins, Thomas James  
 Gibbs, David Stuart  
 Mason, Richard Louis

**Philadelphia Area**

Boardman, Stephen, Rosemont  
 Boyd, Thomas A., Springfield  
 DeSherbinin, Michael, Bryn Mawr  
 Donaldson, Charlotte D., Kennett Square  
 Edwards, Maurice N., Ardmore  
 Herder, Robert Rex, Jr., Bryn Athyn  
 Haines, William C., West Chester  
 Keen, Susan Holmes, Wayne  
 Rech, Philip D., Huntingdon Valley  
 Ward, Jeffrey Stanley, Wayne

**Camp Hill**

Bowersox, David Gary  
 Landis, David H.  
 McKechnie, Joan E.  
 McNeill, Cherianna  
 Myers, Susan Jane

**Pittsburgh and Area**

Anderson, Edward A.  
 Johnston, Claire K., Penn Hills  
 Beedle, Helen E., Hellertown  
 Fox, Dorlynn, Easton

*Hermann, Cecelia*, Mechanicsburg  
*Mabon, Robert H.*, Indiana

*Macy, Janet*, Greenwood  
*Seago, Caroline E.*, Summerville  
*Tisdale, Lottie E.*, Mayesville  
*Weaver, Miles F.*, Darlington  
*Wilson, Lewis G., Jr.*, York

**South Carolina**

**Bennettsville**

*Northam, George I.*  
*Polston, Kenneth Wayne*

**Clio**

*Chiphe, Eva Jean Harley*  
*Kinney, Joseph C.*

**Columbia**

*Dixon, Joseph E., Jr.*  
*Egleston, Charles*  
*Fox, Pattie Carolyn*  
*Hane, Elizabeth A.*  
*Jacobs, Janet Carolyn*  
*Ramsey, Dyer W., II*  
*Stewart, Pamela A.*

**Easley**

*Addington, Iris Elaine*  
*Mallard, Gary Paul*

**Florence**

*Bridges, Saunders McK., Jr.*  
*Jones, Wanda Kay*  
*Wise, Kenneth Wayne*

**Greenville**

*Beale, David Steven*  
*Beale, Norman V.*  
*Blumenstein, Robert P.*  
*Grubbs, Cynthia Lee*  
*Roberts, David E.*

**Myrtle Beach**

*Gravelly, Marshall G.*  
*James, William Anthony*

**Other Cities**

*Abell, Mary M.*, Rock Hill  
*Bowie, David R.*, Landrum  
*Bowie, Marie L.*, Anderson  
*Budd, Barbara E.*, Denmark  
*Burrell, Lonnie J.*, Winnsboro  
*Gaud, Henry T.*, Charleston  
*Gerstner, Jack S.*, Cheraw  
*Haygood, Kathleen R.*, Sumter  
*Hill, Michael C.*, Ft. Mill  
*Kleber, Mark D.*, Parris Island  
*Leland, Timothy F.*, Mt. Pleasant  
*Lowery, Michael S.*, Camden  
*MacDougall, Jeanne M.*, Hilton Head

**Tennessee**

**Kingsport**

*Hardesty, Charles D.*  
*King, Elizabeth M.*

**Memphis**

*Byrne, William L., Jr.*  
*Wellford, Randy T.*

**Nashville**

*Bradley, Mary M.*  
*Freeman, Rebecca M.*  
*Givens, John Henry, III*  
*Haggard, William David*  
*Holder, Anne W.*  
*Smith, Hugh F.*  
*Trabue, Nelson T., Jr.*

**Other Cities**

*Bishop, Josephine H.*, Signal Mountain  
*Goranson, Debra C.*, Covington  
*Huffman, Betty L.*, Shelbyville  
*Porter, Edgar A.*, Columbia

**Texas**

*Baker, Arch C.*, Dallas  
*Braly, Matthew C.*, Pampa  
*Mills, David G.*, Galveston  
*Ware, John T.*, Groves

**Virginia**

Also see Washington, D.C. Area

**Charlottesville**

*Bryant, Milford H., Jr.*  
*Eckman, Stephen James*  
*Joseph, Samuel John, III*  
*Sheppard, Glennys C.*

**Front Royal**

*Johns, William S.*  
*Kibler, Laura Kathy*

**Lynchburg**

*Jones, Ebbert Edwin*  
*Lee, Sarah P.*  
*Taylor, Dawn Leigh*  
*Vaden, Frank R.*

Martinsville

*Rothrock, James A.  
Scales, Philip N.*

Newport News and Area

*Adams, Maryanne W.  
Dufek, David F.  
Kennedy, Lorna A.  
Knight, Luther T.  
Ratliff, James N.*

Orange

*Boyd, James H. A.  
Eldridge, John  
Shackelford, Lyne M., Jr.*

Petersburg and Area

*Davis, Todd S., Hopewell  
Hastings, Valerie M., Colonial Heights  
Johnson, Vernable, Jr.  
Johnson, Walter K.  
Jones, Hugh McInnis  
Squires, Alice T.  
Watson, M. Hunter*

Prince George

*Megee, Ann H.  
Megee, Jane A.*

Richmond and Area

*Atkinson, Sidney W.  
Buck, Glenda Sue  
Daniel, John W.  
Edge, Thomas A.  
Fry, John Douglas, Jr.  
Gaddy, Samuel M., Charles City  
Harding, Laurence L.  
Hatcher, Wirt H., III  
Hinshelwood, Mary K.  
James, Elizabeth M., Coleman  
Jolly, Patricia Ann  
Jones, Sarah H., Ashland  
Lawson, John D.  
Meyer, Elizabeth S.  
Nesbit, Ralph, Jr.  
Perkins, Mark Lewis  
Randolph, Henry G., Jr.  
Raynor, Douglas D.  
Saut, Jeffrey David  
Smith, Patricia P., Mechanicsville  
Stuart, Bonnie R.  
Thrift, Donald W.  
Valentine, Dorothy Beth  
Williams, Nancy K.  
Wilson, Steven W.*

Roanoke

*Carson, Shirley Marie  
Jamison, Paul Graff  
Munday, Mary Lynn  
Ritchie, Donna Marie*

Salem

*Brand, Miriam H.  
Burres, Daniel O.*

Virginia Beach

*Atkinson, Frank V., Jr.  
Hutcheson, Mary M.  
MacLeod, Mary Marget  
Marshall, William M.  
Moore, Valerie Lynn  
Sewell, Hampton H.  
Vakos, Robert Harry*

West Point

*Baldwin, Lani K.  
Walker, Baker Martin*

Williamsburg

*Humphrey, Carolyn Frances  
Weems, Marian Bailey*

Winchester

*Anderson, Mary C.  
Dickson, David G.  
Dunlap, Ann C.*

Other Cities

*Beale, Richard H., Franklin  
Brown, Emma G., Bristol  
Covington, William R., Halifax  
Damron, Conly M., Lebanon  
Eller, R. Michael, Waynesboro  
Freeman, Henry B., Troutville  
Funk, Nancy Ann, Bluefield  
Gilliam, James R., Lexington  
Graham, Nancy O., Max Meadows  
Mathews, Carolyn W., Tappahannock  
McCue, Susan A., Richlands  
Medders, Martha E., Onley  
Moses, Janet, Appomattox  
Peery, Francis C., Tazewell  
Rogers, Elinor R., Alberta  
Speer, Sarah C., Abingdon  
Waple, Judith Ann, Culpeper  
Wampler, Rebecca C., Stuarts Draft  
Wetsel, Christobel, Locustdale  
William, Frances, Smithfield*

**Washington, D.C.**

*French, Charles T., Jr.*  
*Ingram, Banning V.*  
*LaGuardia, John M.*

**Washington, D.C. Area**

**Alexandria, Va.**

*Dickson, William J.*  
*Polley, Anne E.*

**Arlington, Va.**

*Arnold, Ames Thomas*  
*Boykin, Bette Lynn*  
*Dryden, Mary Ellen*  
*Gwinn, Jane W.*  
*Kline, John D.*  
*Jerome, Walter G., III*  
*MacCue, Conrad*  
*Morgan, Claire*  
*Nickle, Philip T.*  
*Stossel, Jeanne Marian*  
*Webbere, Sandra L.*  
*Young, Robert Alan*

**Bethesda, Md.**

*Griffiths, Dann E.*  
*Lyman, Steven*  
*Point, Stephen H.*  
*Silman, James III*

**Chevy Chase, Md.**

*Donhauser, Jennifer L.*  
*Koser, Vicki Lynn*

**Clinton, Md.**

*Biba, John F.*  
*Fox, Richard L., Jr.*

**Fairfax, Va.**

*Davis, John E.*  
*Evans, Patricia Ann*  
*Logan, Linda Lea*  
*Stimmell, Susan Jane*

**Falls Church, Va.**

*Baker, Frederick L., Jr.*  
*Carlson, Sara Lee*  
*Fawley, Dorman W., III*  
*Gottenkieny, Charles H., Jr.*  
*Hartke, Keith Leslie*  
*Lilly, Robert H.*  
*Neuman, Christopher E.*  
*Robinson, Laurence H.*

**McLean, Va.**

*Craig, Mary Elizabeth*  
*Downey, Leslie Jean*  
*Helm, Hugh B.*  
*Huckins, Carol Dianne*

**Silver Spring, Md.**

*Getty, George C.*  
*Mathieson, Gregory R.*  
*Mehrling, C. Ken*  
*Rochelle, Ann Darby*

**Other D. C. Area Cities**

**Maryland**

*Benz, Cathryn Ann, Rockville*  
*Einbinder, Stephen C., Camp Springs*  
*Gilbertson, Kristina, Hyattsville*  
*Leavitt, Roberta J., Landover Hills*  
*Magnuson, Jean E., Hillcrest Heights*  
*Perrin, James R., Jr., Potomac*

**Virginia**

*Buckland, William W., Middleburg*  
*Douglass, James E., Aldie*  
*Lowenhaupt, Eric S., Springfield*  
*McMichael, Gary L., Nokesville*  
*Tomlinson, Jane A., Annandale*

**West Virginia**

**Bluefield**

*Davidson, Janice Ruth*  
*Hale, Charles B., Jr.*  
*Stuart, David D.*  
*Walker, Mary Louise*

**Charleston**

*Barr, Harold P.*  
*Chesney, Paul A., Jr.*  
*Coyle, Nancy H.*  
*Dodson, E. Denison*  
*Gibson, Debra M.*  
*Huff, Harry A.*  
*Settle, C. H. Kevin*  
*Neale, Beverly Lynn*  
*Venable, Deborah D.*

**Huntington**

*Everett, Sue Carol*  
*Richmond, Jack B.*

**Other Cities**

*Delp, William A., Jr., Mullens*  
*Gribble, M. Jane, Clarksburg*  
*Lohn, Pleasant McK., Man*  
*Savage, James McK., Vienna*

**Wisconsin**

*Lane, Douglas R., Milwaukee*

**Non-Continental U.S.**

APO New York

*Downey, Diane*

APO New York

*Powers, Scott E.*

APO San Francisco

*Alexander, Meriam*

**Japan**

*Lancaster, Emily Ruth, Tabamatso*

**Pakistan, West**

*Wilson, Lucy D., Karachi*

**Switzerland**

*Crane, Carolyn L., Geneva*

## College Endowment

### GENERAL AND RESTRICTED FUNDS SCHOLARSHIP FUNDS AND LOAN FUNDS

Through the generosity of friends of St. Andrews, together with funds established earlier at Flora Macdonald College and Presbyterian Junior College, either as living tributes or memorials, the College is building an endowment that is providing a measure of permanent support helping to insure the ongoing work of the College.

#### General and Restricted Funds

The following named endowment funds of at least \$10,000 have been established:

The H. T. Atkins Fund  
The Kate Bitting Reynolds Fund  
The Scottish Fund  
The Women of the Church — Chair of Bible  
Board of Christian Education — Chair of Bible

Other funds of at least \$1,000 have been given for endowment purposes in the name of the following:

Mrs. Katherine S. Boyd  
Margaret J. Denny  
The Elise Academy Memorial  
Frank Fisler Memorial  
Mr. and Mrs. Hiram Grantham Memorial  
George M. Wilcox Memorial  
James Wilson and Emma Holt White

#### Scholarships

The following named scholarship funds of at least \$10,000 have been established:

The Belk Memorial Scholarship Fund  
The Anne White Blue Honor Scholarship Fund  
The John Blue Scholarship Fund  
The William Ralston Campbell Scholarship Fund  
The Robert L. Davidson Scholarship Fund  
The Ruth and Mary Fitzgerald Student Aid Fund  
The Emma Lillian Keigwin Scholarship Fund  
The Ed and Roy McLaurin Scholarship Fund  
The Almena Currie McLean Student Aid Fund  
The Mildred McLaurin McLean Memorial Scholarship Fund  
The Ellen McNeill Scholarship Fund  
The Frank Mizell Scholarship Fund

The Robert C. Quantz Memorial Scholarship Fund  
 The Lucy Steele Scholarship Fund  
 The Charles H. Trexler Memorial Scholarship Fund  
 The J. Harvey White Memorial Scholarship Fund

Other funds of at least \$1,000 have been given for scholarship purposes in the name of the following:

Alumnae Classes of 1945, 1950, 1953, 1957, and 1961	Martha A. Holt
Dr. and Mrs. Robert Anderson Memorial	Andrew J. Howell Memorial
Mrs. James F. Blue Memorial	Franklin L. Hyndman Memorial
James Boyd Memorial	Huntersville Presbyterian Church
Rowland A. Brown Scholarship	Minnie Melvin Johnson Memorial
Andrew Bryson Fund	Paul Guthrie Jones
Nancy Boyle Caballero	Junior Service League of Laurinburg
C. Fred Carlson	Sarah and Louis C. LaMotte
Carolina Telephone and Telegraph Company	Katherine, Mary Patterson, and Mattie Livingston Memorials
R. Don Carson Memorial	Dr. David McBryde
Currie and Patterson Memorial	Hattie McBride Memorial
William Drake	Daniel Archibald McCormick
Warren M. Ficklen Memorial	Bessie McNeill McEachern Memorial
N. N. Fleming	John W. McLaughlin
Alma Green Frye Memorial	Antress McLean
Samuel Hewitt Fulton	Andrew Calhoun McLeod
E. E. Gillespie	A. H. McLeod, Sr.
Elizabeth Monroe Taylor Gilmour Memorial	Flora McLean McLeod Memorial
Margaret Fraser Gluck	Mr. and Mrs. George F. McMillan
Mr. and Mrs. Ernest Graham, Sr.	J. L. McMillan
Kate Fields Grannis Memorial	James L. McNair
Elma and Price H. Gwynn, Jr.	Laurin McQueen
John Wesley Hall	William and Ida Carmichael McQueen
Sally McCall and Robert Pickett Hamer	Angus McKinnon Morgan Memorial
Margaret McKinnon Hawley Memorial	Mark Morgan
Mildred Johnston Hay	Edward M. O'Herron, III
Jane Flow Henderson Memorial	Osteen-Woodson Scholarship
Joseph Eli Henderson Memorial	Evelyn Butler Phillips
John L. and Janie J. Henry Memorial	Fannie Bullock Pullen
	Jessie Schoellkoff
	The Sinnott Scholarship
	Thomas Stamps Memorial
	Mr. and Mrs. J. D. Stewart

Leroy Stadler

Leo and Ella Wallace

Charles G. Vardell

Mary Gale Carter White

Katherine Allen and

Jessie Chandler Willard

Jane Dickson Bell Vardell

Marion Stokes Williamson

Linda Vardell

### Loan Funds

The following named loan funds of at least \$10,000 have been established:

The Jennie E. Alexander Loan Fund

The James Madison Graham Memorial Loan Fund

Other funds of at least \$1,000 have been given for loan purposes in the names of the following:

Andrew Bryson

Dr. O. L. Parker

Dr. Darius Flinchum

T. M. Stanback

J. F. McNair

The Smyth Family

J. L. McNair

Julia Stewart

The Masonic Order

Mrs. J. D. Swinson

### Form of Bequests

Since each state has special statutory regulations regarding wills, it is most important that all testamentary papers be signed, witnessed, and executed according to the laws of the state in which the testator resides. In all cases, however, the legal name of the corporation must be accurately given as in the following form:

---

*"I give, devise, and bequeath to ST. ANDREWS PRESBYTERIAN COLLEGE, INC., a North Carolina corporation, located at Laurinburg, North Carolina, the sum of \$\_\_\_\_\_ (or property herein described) to be used by its Board of Trustees as they may deem advisable for the benefit of the College."*

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# Application for admission to St. Andrews Presbyterian College

(Print or Type)

Legal Name \_\_\_\_\_ Area Code & Tel. No. \_\_\_\_\_ Social Security Number \_\_\_\_\_

Father's Name \_\_\_\_\_

Mother's Name \_\_\_\_\_

Home Mail Address \_\_\_\_\_ City, State & ZIP \_\_\_\_\_

Father's Business Address \_\_\_\_\_

High School \_\_\_\_\_ H.S. Address: city, state \_\_\_\_\_ county \_\_\_\_\_

Date of Birth \_\_\_\_\_ Month and year of H.S. graduation \_\_\_\_\_

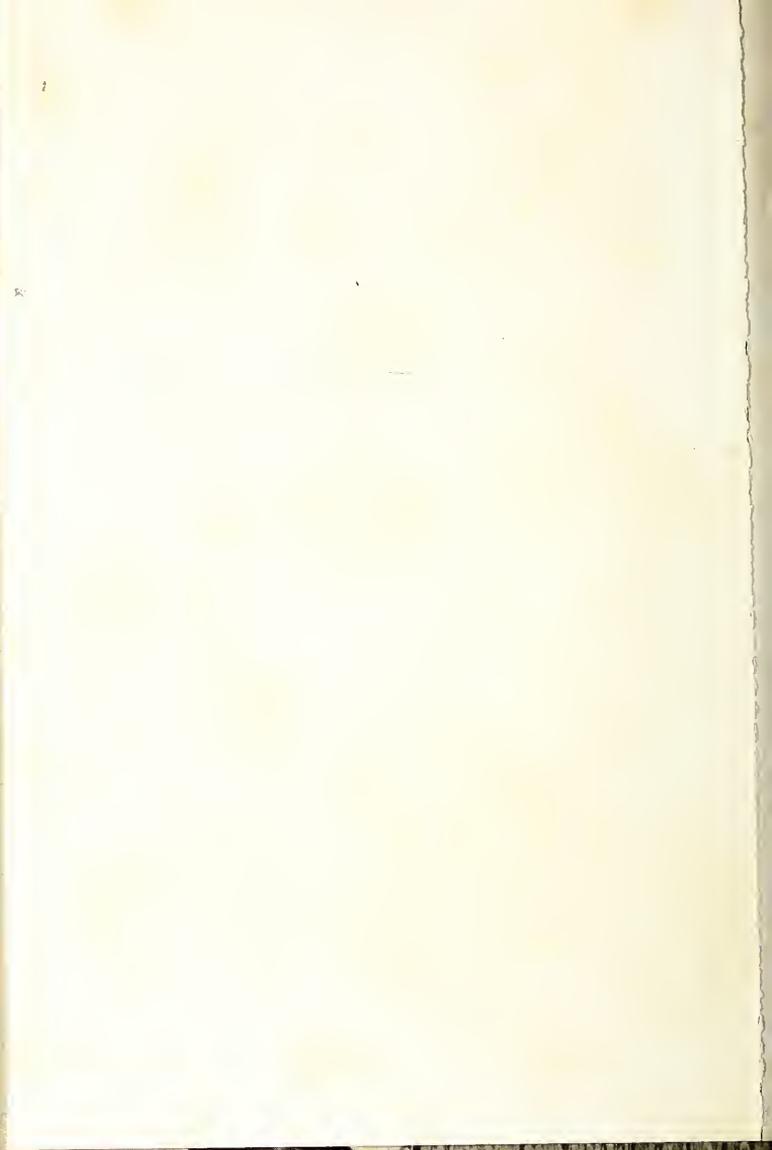
College attended since H.S. graduation \_\_\_\_\_ Address of College \_\_\_\_\_

I hereby make application for the admission of \_\_\_\_\_  
to St. Andrews Presbyterian College, Laurinburg, N.C. 28552 for the school term beginning September, 19\_\_\_\_  
under the terms set forth in the current catalog of the College. I am enclosing an application fee of \$15.00.

Signature of Parent \_\_\_\_\_ Dated \_\_\_\_\_

Note: The application fee is a service charge to cover partially the cost of processing the application and is non-refundable. Please make check payable to St. Andrews Presbyterian College and mail with application to Director of Admissions.

No.
Year:
App. Dep.
A.C.
Action
Pay't:
R.A.





**St. Andrews Presbyterian College**  
Laurinburg, North Carolina  
28352