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1978-79 CATALOG



Longwood

FARMVILLE, VIRGINIA

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At the time of publication this catalogue accurately depicts academic policies of Longwood College, including course numbers, descriptions, and standards for student progress and retention. However, the provisions of this publication are not to be regarded as an irrevocable contract between the student and Longwood College. Each step in the educational process, from admission through graduation, requires continual review and appropriate approval by college officials. There are established procedures for making changes, procedures which protect the institution's integrity and the individual student's interest and welfare. Longwood College reserves the right to conduct such reviews and make such changes where deemed appropriate. A curriculum or graduation requirement when altered is not made retroactive unless the alteration is to the student's advantage and can be accommodated within the span of years normally required for graduation.

Longwood College Undergraduate Bulletin, September 1978 - Announcements 1978-79. Accredited by Southern Association of Colleges and Schools, National Council for Accreditation of Teacher Education, Virginia State Board of Education; undergraduate Social Work Program accredited by the Council on Social Work Education. Undergraduate enrollment approximately 2,300 students.

LONGWOOD



ACADEMIC CALENDAR

SUMMER SESSION – 1978

June 12 Monday – First regular term (graduate and undergraduate) and six-week term begin.

July 11 Tuesday – First regular term ends.

July 13 Thursday – Second regular term begins.

July 21 Friday – Six-week term ends.

August 11 Friday – Second regular term ends.

FIRST SEMESTER – 1978

August 26 Saturday – Opening date.

August 28 Monday – Professional Semester begins.

August 29 Tuesday – Registration.

August 30 Wednesday – Classes begin at 8:00 a.m.

September 7 Thursday – Convocation.

September 8 Friday – Last day to add a class.

September 29 Friday – Last day to drop a class without an automatic F.

October 6 Friday – Fall break begins after classes.

October 16 Monday – Classes resume at 8:00 a.m.

October 23 Monday – Estimates due in Registrar's Office at 12 Noon.

October 27-28 Friday-Saturday – Oktoberfest.

November 22 Wednesday – Thanksgiving holiday begins after fourth period.

November 27 Monday – Classes resume at 8:00 a.m.

December 14 Thursday – Classes end.

December 15 Friday – Examinations begin. Professional Semester ends.

December 22 Friday – Examinations end.

SECOND SEMESTER – 1979

January 8 Monday – Professional Semester begins. Registration for seniors and juniors.

January 9 Tuesday – Registration for sophomores and freshmen.

January 10 Wednesday – Classes begin.

January 19 Friday – Last day to add a class.

February 9 Friday – Last day to drop a class without an automatic F.

February 26 Monday – Estimates due in Registrar's Office at 12 Noon.

March 16 Friday – Spring break begins after classes.

March 28 Wednesday – Classes resume at 8:00 a.m.

April 26 Thursday – Classes end.

April 27 Friday – Examinations begin. Professional semester ends.

May 4 Friday – Examinations end.

May 12 Saturday – Graduation.

THE COLLEGE



Longwood College is a small, coeducational institution of approximately 2,300 students, located in Farmville, Virginia. Students attending Longwood choose a major from a variety of 27 separate academic areas; for those who wish to do so, a course of study in a minor discipline may also be pursued. The comprehensive curriculum is further enriched by a student exchange program with nearby Hampden-Sydney College.

The primary educational objective of Longwood College is to provide a baccalaureate curriculum distinguished by academic excellence. Particular attention is given to teacher preparation; pursuant to the goal of academic excellence, every effort is made to combine a strong liberal arts approach with this professional emphasis. The College also offers liberal arts majors, as well as business administration, pre-professional medical curricula, and therapeutic recreation. Details of various departmental offerings may be found in the catalogue section on Departments of Instruction.

Five undergraduate degrees are offered: Bachelor of Arts, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Business Education, and Bachelor of Music Education. In addition, Longwood College provides a graduate program leading to the Master's degree in English, elementary education, and supervision. Details of the Graduate Program are found in the Graduate Bulletin.

Longwood College is pledged to a policy of non-discrimination because of race or religion. The policy of non-discrimination applies to all phases of college life including admissions.

History

Longwood College, a pioneer first in private and later in public education, is one of the oldest colleges in the United States. The College was founded on March 5, 1839, this being the date that the Farmville Female Seminary Association was incorporated by the General Assembly of Virginia.

The seminary opened its doors in an impressive brick building in the Georgian style of architecture, which now forms a part of Ruffner Hall, the administration building at Longwood College. Prior to 1839 there existed the Farmville Female Seminary established in 1833 and another female seminary established in 1835 by the Reverend A. J. Heustis. It is possible that the seminary of 1839 was an outgrowth of these earlier schools.

In the succeeding years the increasing prosperity of the Farmville Female Seminary or Female Academy, as it was sometimes called, led the stockholders to expand the seminary into a college, and the Farmville Female College was incorporated in 1860. This college, under both private and church management, enjoyed a long period of successful operation. Between 1860 and 1884 it was directed in turn by George La Monte, a young graduate of Union College, New York; Arnaud Preot, a distinguished French musician and linguist; Dr. Paul Whitehead, a Methodist minister; and the Misses Fannie and Mary Elizabeth Carter of Mecklenburg County.

The first State legislature to assemble after the adoption of the post-bellum constitution established a system of public schools in Virginia on July 11, 1870. For twelve years or more, the conduct of these schools was entrusted to such teaching forces as were found ready at hand. However, during this period it became evident to educational leaders that some provision must be made for the training of teachers. To meet this demand, the legislature on March 7, 1884, passed an act establishing a State Normal School. On April 7, 1884, the State of Virginia acquired the property of the Farmville Female College, and in October of the same year the Normal School opened with 110 students enrolled. This was the first State institution of higher learning for women in Virginia.

With the passage of the years, the Normal School expanded its curricula and ran through a succession of names. It became the State Normal School for Women in 1914, the State Teachers College at Farmville in 1924, and Longwood College in 1949.

The College's present name was derived from Longwood Estate, a tract of 103 acres acquired by the institution in 1928. This beautiful property, origi-

nally consisting of thousands of acres, was purchased by Peter Johnston in 1765, and was the home of Peter Johnston, Jr., a lieutenant in Light Horse Harry Lee's famed legion and judge of the Circuit Court of Virginia. General Joseph E. Johnston, Confederate military figure, was born there.

In 1811 the estate was bought by Abram Bedford Venable, a United States Senator and the organizer and first president of the first bank in Virginia. After the destruction by fire of the original house on the estate, the present house was erected in 1815 by Nathaniel E. Venable, an officer in the War of 1812 and a member of the Virginia House of Delegates and the Senate. It is the birthplace of Lieutenant Colonel Charles Scott Venable, who was a member of General Robert E. Lee's staff, and professor of mathematics and chairman of the faculty of the University of Virginia. Longwood Estate now serves as the official home of the President of the College.

The College was first authorized to offer four-year curricula leading to the degree of bachelor of science in education in 1916. It was authorized to offer the degree of bachelor of arts in 1935, the degree of bachelor of science in 1938, curricula in business education the same year, courses leading to a degree in music education in 1949, and the degree of bachelor of science in business administration in 1976. In 1954, graduate programs were authorized.

Location

The College is located in Farmville, seat of Prince Edward County, in southside Virginia. A pleasant college town with a population of 6,000, it is the business and education center of the area. Located in and near town are churches, hotels, motels, a country club, a municipal airport, and a community hospital. Hampden-Sydney College, a liberal arts college for men, is five miles south of the campus. Many points of interest are within a short distance of Farmville, including Appomattox Courthouse and Sayler's Creek Battlefield.

Farmville is sixty-five miles west of Richmond and Petersburg, forty-eight miles east of Lynchburg and sixty miles south of Charlottesville. U.S. Highways 15 and 460 intersect in town. Amtrak and commercial bus systems provide service to the town.

Campus and Buildings

The main campus consists of 50 acres adjacent to the Farmville business district. Buildings on the original portion of the campus are colonial in architecture, constructed of red brick and adorned with white trim. Buildings on the newer campus areas are contemporary. All facilities are within easy walking distance of each other. An extensive construction program was completed in September 1970, representing a \$5,000,000 program, involving five new buildings and renovation of older facilities. Another construction program, costing \$850,000 and providing two new buildings and renovation of others, was completed in September 1972. A 100-acre plot, one mile east of the main campus, provides a nine-hole golf course, clubhouse, recreational cabin and picnic facilities.

Academic Buildings

Dominated by the famous Rotunda and colonnades, **Ruffner Hall** houses the main administrative offices. A number of faculty offices are located in the building. Joan d'Arc, sculptured by Henri-Michel-Antoine Chapu, reposes in the main foyer. Visitors to the College may stop at the Information Office in the foyer for college literature and guided tours of the campus. The Language Department is located in Ruffner Hall.

Located immediately west of and connected to Ruffner Hall, **Grainger Hall** houses the Business and Economics, English, and Mathematics departments, and several classrooms for the History and Social Sciences Department. Offices and classrooms for the Military Science program are also located in Grainger.

Lancaster Library was constructed in 1938 and received extensive enlargement and renovation in 1961. The library is immediately west of Grainger Hall. Complete air-conditioned, its three floors include individual study carrels,

group study and discussion rooms, seminar rooms, a typing room, faculty carrels, and a separate reading room for the use of the collection of books, periodicals and newspapers on 3,909 reels of microfilm. The main book collection, approximately 155,717 volumes, is available on open shelves to all users with reading and informal lounge areas interspersed among the book areas on three floors. Other collections in the library include a file of 8,000 pamphlets, a picture file of 6,800 items and more than 1,300 maps. Thirty newspapers and some 1,177 current magazines are received. In the non-print area, the library has 770 records, 3,366 slides, 1,135 cassettes, 1,151 filmstrips, and 70 film-loops. Also in the library is a collection of college publications, student publications, college catalogues, alumni bulletins, and other archival materials.

A library orientation program is given to all freshmen by members of the English Department in cooperation with the library staff. By means of this program, students are introduced to the library building and its functional divisions, to the various book collections, and to general and special reference tools. They are shown how to borrow library materials, how to use the Faculty Reserve Collection, and how to locate subject materials or specific books. This program is supplemented by individual instruction throughout each student's four years of college.

During regular sessions, the library is open at scheduled periods totaling 78.25 hours each week. The time schedule is posted at the main entrance to the library. It is the aim of the library to attain maximum use of its materials by students, faculty, alumni, and friends of the College.

Located to the west of Lancaster Library, **Jarman Hall** provides facilities for the Department of Speech and Dramatic Arts. Among the appointments are classrooms, a small theater, rooms for dressing and storage of costumes, a prop shop, and the college radio station. The main auditorium seats 1,227 persons. Students gather in the auditorium on frequent occasions to enjoy concerts, plays, lectures and movies sponsored by the College. The auditorium is made available as a community center when-

ever possible. The main auditorium, small theater and radio studio are air-conditioned.

The Department of Natural Sciences, which includes the disciplines of biology, chemistry, physics, and earth science, occupies **Stevens-McCorkle Hall** and **Jeffers Auditorium**. Located southwest of Jarman Auditorium, the Stevens-McCorkle-Jeffers complex contains laboratories, lecture rooms, and office space for the department. The 235-seat capacity of Jeffers Auditorium, completed in 1968, also functions as a meeting place for various college groups.

A greenhouse is located nearby for use by the department, and a modern facility for the care and maintenance of research animals is available on the lower floor of Jeffers. The College Museum, located in Stevens Hall, contains more than 1,200 minerals, rocks, fossils, plants and animals. Most of the geological specimens were gifts from the private collections of D. A. Brodie and H. B. Derr. This building enables the College to offer excellent preparation in science.

Renovated in 1970 and 1971, **Hiner Building** provides offices, classrooms and laboratories for the Department of Education and Psychology, and for the Division of History and the Social Sciences. A studio providing closed-circuit television for classrooms on campus is in the building, along with the Bureau of Teaching Materials. The latter contains an extensive assortment of audio-visual teaching aids and a tape and film library. Also located in the building are a curriculum laboratory and a test laboratory.

Opened in the fall of 1970, and adjacent to **Hiner Building**, the facilities of **Coyner Building** include a Child Development Laboratory; a Housing, Equipment and Home Furnishings Laboratory; a Foods Laboratory and Clothing Laboratory. The four-year-old children of Longwood faculty and staff members may attend the nursery school, an integral part of the Child Development Laboratory which opens into a fully-equipped playground. Adjacent to the Housing, Equipment and Home Furnishings Laboratory is a workroom in which students may learn how to repair, refinish and upholster furniture. A professional reading library, faculty

conference room, offices and a multi-purpose classroom, equipped with a portable demonstration kitchen, are additional features of the Coyner Building.

Built in 1960, the **Worthy Johnson Crafts Home Management House** is located across the street from Ruffner. Senior home economics majors live for one-half semester here, gaining experience in the management of modern homes and families. The combination of the Crafts and Coyner structures provides the department with excellent facilities for the teaching of home economics.

The Department of Music is located in **Wygat Music Building** which opened in 1970. It is centrally air-conditioned and contains a 200-seat recital hall, classrooms, offices, a listening laboratory, rehearsal room, sound-proofed individual studios, 36 practice rooms, a recording studio, and a Green Room for after-recital receptions. Among the various types of instruments available are 42 pianos, 24 electronic pianos for class instruction, a Schlicker two-manual studio organ; and a Wilhelm, a Beckerrath, and two electronic practice organs. Other equipment includes two Steinway grand pianos, two Mason and Hamlin grand pianos, two Baldwin grand pianos, and a Sperrhake two-manual harpsichord, all types of string, reed, brass and percussion instruments, a library for recordings and music, and a separate music education curriculum library, as well as an extensive collection in the college's Lancaster Library.

Within the Fine Arts Complex, and centrally air-conditioned, the **Bedford Building** houses the Department of Art. Special features of this structure include individual studios for painting, drawing, sculpture, ceramics, print making, art education, crafts, as well as facilities for the teaching of photography. A spacious exhibit gallery displays the works of various well-known artists throughout the year. An auditorium, having a capacity of 176 seats, is available for lectures and films. A patio was constructed in 1972 providing an outdoor facility for sculpturing and ceramics instruction.

Several facilities are used by the Department of Health, Physical Education and Recreation. **Iler Gymnasium**, immediately south of Coyner Building, contains a gymnasium with regulation basketball court, classroom, faculty offices, and storage space for equipment. An athletic field and two tennis courts are adjacent.

French Gymnasium, east of Ruffner Hall, contains basketball courts with spectator gallery, a swimming pool, classroom, research and teaching laboratory, faculty offices and locker-shower rooms. It opens onto four illuminated tennis courts and a second athletic field.

A dance studio is located in French Building. Fencing classes are conducted in **Barlow Building** to the rear of French. Instruction in golf is given at the golf course at Longwood Estate, while instruction in bowling is presented at the bowling alley in the Lankford Student Union building.

The Wynne Campus School, housing a self-contained plant for elementary school children from kindergarten through seventh grade, was completed in September 1970. Circular in design, each classroom opens on one side into a multi-purpose gymnasium-library-music-auditorium room and on the other side to out-of-doors physical education and recreational facilities. It is air-conditioned, electrically heated, and equipped with the most modern teaching aids for the 200 students enrolled.

Observation of elementary teaching methods employed at the Campus School supplements the student teaching experience of college students majoring in elementary education. The school is situated at the southernmost end of the campus. Classes conducted in the building may be monitored elsewhere on campus by means of closed-circuit television.

Student Teaching Centers

The public schools in the counties adjacent to Farmville, the Danville City public schools, the Colonial Heights City public schools, the Lynchburg public schools, the South Boston City public schools, and the Appomattox County, Charlotte County, Chesterfield County, Fairfax County, Halifax County, Henrico County, Prince Edward County, Prince George County public

schools, and Richmond and Roanoke City schools cooperate with the College in making facilities available for student teaching.

These schools are well equipped with laboratories, libraries, cafeterias, and workrooms. The facilities include teachers who are well qualified as supervising teachers.

The College program and the program of student teaching are coordinated through the Department of Education and Psychology. The College assists students in locating housing in these centers.

The College Year

The college year consists of a regular session, including two semesters of 15 weeks each, and a summer session. The summer session for undergraduate and graduate students consists of a ten-week session divided into two five-week terms. The ten-week summer session makes it possible for an undergraduate student to complete a degree program in three calendar years as compared with the traditional four academic years generally required to complete such a program. Both undergraduate and graduate classes during the summer are scheduled for five days a week.

Commencement

Commencement exercises are held once a year, in the spring. Those students completing a degree program between commencements will be given a letter certifying that they have fulfilled all requirements for graduation. They will receive diplomas at the next spring commencement.

Graduating seniors must buy or rent from the college book store the caps, gowns, and hoods required for commencement exercises.

Accreditation

The College is fully accredited as a professional school for the undergraduate training of teachers and as a comprehensive college. It is accredited by the Southern Association of Colleges and Schools, the National Council for Accreditation of Teacher Education, and

the Virginia State Board of Education. It is on the list of colleges approved by the American Association of University Women. Its pre-medical curriculum is approved by the Council on Medical Education and Hospitals of the American Medical Association. Its preprofessional curricula in nursing, medical technology, pharmacy, dental hygiene and physical therapy prepare students for admission to accredited schools. Its social work program is accredited by the Council on Social Work Education.

The College is a member of the Association of American Colleges; American Association of Colleges for Teacher Education, Association of Virginia Colleges, National Association for Business Teacher Education, American Association of College Registrars and Admissions Officers, American Library Association, and the Virginia Museum of Fine Arts.

The University Center in Virginia

Longwood College is affiliated with the University Center in Virginia, an agency which brings nationally known scholars and lecturers to the Virginia area, and arranges programs of research, cooperative professorships, adult education, and library exchanges among member colleges. Longwood shares directly in the enriched educational activity made possible through the joint efforts of the institutions affiliated with the Center.



STUDENT LIFE SERVICES

The faculty and administrative officials of the College believe that their ultimate responsibility is to assist students to be well-adjusted, useful citizens in the state and nation. To this end, a wide variety of services are provided to aid the student in need of guidance.

Academically, the student is expected to assume responsibility for all curriculum requirements. Faculty members within the major department serve in an advisory capacity to students in this area. Students should feel free to discuss any academic problems that they may have with a member of the faculty or with the Dean of the College.

The Summer Academic Planning Program is designed to help new students orient themselves to the curriculum requirements and course offerings of the college. Each student is assigned to a faculty member during a two-day session of academic orientation. Instituted in 1973, this summer program provides an opportunity for new students to become familiar with the college before entering in the fall. The program is administered by the offices of the Dean of the College and the Dean of Students.

The office of the Vice President for Student Affairs and Dean of Students is an integral part of the student personnel program. The staff is responsible for student life in the residence halls and for the numerous student life activities.

Members of the Dean of Students' staff are responsible for providing counseling services for students. This staff includes head residents, assistant head residents, and resident advisers, in addition to the Dean, Associate Dean and Assistant Dean of Students. Health counseling is primarily a function of the College Infirmary staff. All members of the Dean of Students' Office try to assist students who have particular problems regardless of the nature of these problems. Career counseling, including vocational interest inventory administration and analysis, is available to students requesting assistance through the office of the Vice President for Student Affairs.

Residence Halls

Ten residence halls offering comfort, convenience, recreation and study areas are an integral part of life at Longwood College. As a residential institution, Longwood College believes group living provides opportunities for personal development and education, and such group living leads to an appreciation of the responsibilities of group behavior. The College therefore requires all students, with the exception of those students who prefer to live at home, to live in the residence halls. Any other exceptions must be made by a Hearing Board to be convened by the Dean of Students.

A Head Resident occupies a suite of rooms in each residence hall and is available to the students for any help they may need. She also works closely with the Housekeeping Supervisor for residence hall maintenance.

The student rooms are warm and colorful, furnished with beds, desks, chairs, dressers, bookshelves, and closet space. Each student is responsible for the care of his own room and is expected to furnish his own study lamp, bed linens, bedspreads, blankets, pillows, towels, washcloths and waste baskets.

Kitchen and laundry facilities are available on most halls for student use. The recreational areas located in each residence hall are spacious and each has an adjoining kitchen.

In the spring, returning upperclassmen choose their residence halls and suites for the next fall session.

The oldest of the residence halls are **Tabb** and **French**. These two buildings are located east of Ruffner Hall, and overlook the colonnade and sunken garden. Students have direct inside access to the gymnasium, swimming pool, infirmary, dining hall and a number of classrooms. Bathroom facilities are located on each floor. Extensive renovation programs were completed in these residence halls in 1970, 1971, and 1972.

North Cunningham, constructed in 1928, **Main Cunningham** in 1932, with an annex constructed in 1938, and **South Cunningham** in 1958, form a complex of three residence halls. Centrally located on campus, each of these residence halls has elevator service and rooms arranged in suites with connecting baths.

Wheeler, Cox, and Stubbs, similar in construction and appointment, were built during the period 1960-1966, and are located on the western edge of the campus. Elevator service is provided in each and the rooms here, as in the Cunninghams, are arranged in suites with connecting baths. Social sorority members may choose rooms in Stubbs adjacent to the chapter rooms.

Curry and Frazer, ten-story, high-rise buildings, were completed in 1969 and 1970 respectively. They are of contemporary design, centrally air-conditioned and offer elevator service. Located on Main Street on the eastern edge of the campus, the residence halls are connected by a beautifully appointed Commons Room. Students are housed in suites of two and three bedrooms, and each suite contains a bathroom facility.

Support Facilities

The Lankford Student Union is the hub of student activities on the Longwood campus. Constructed in 1967, it is located between Iler Gymnasium and Stubbs Residence Hall, the Cunninghams and Wygal Music Building. The lower floor contains bowling alleys, a snack bar, bookstore, post office and offices for student publications. The entrance near the Snack Bar opens onto a patio where umbrella-covered tables are provided for student use. The upper floor contains the beautiful Gold Room where many social affairs are held, reading and television rooms, a large meeting hall which may be divided into three smaller rooms, offices for student government organizations, and the office of the Director of Student Activities. A separate room with Pullman kitchen is provided for use of day students.

Blackwell Dining Hall is part of Ruffner Hall and may be entered from the Rotunda. The dining hall accommodates all resident students for family-style meals in both upper and lower halls. Food service is provided by the A.R.A. Slater Management, Incorporated, a nationwide company specializing in college food service. The bakery and kitchens contain modern cooking and dishwashing equipment.

An extension of first and second floor facilities, providing seating for an additional 450 persons, a banquet room, roof terrace, and central air-conditioning for the entire building was completed during the summer of 1972.

Located adjacent to Tabb and French Residence Halls, the **Infirmary** provides emergency medical service and short-term care for students. It is staffed by a physician and five registered nurses. A renovation and modernization program of the building was undertaken in 1971.

The east wing of **Graham Building** provides offices for the Director of the Physical Plant, his assistants and supervisors. The Campus Police Office is quartered in this wing, also. The **Laundry** is housed in the west wing of the structure and is equipped with modern machinery to render required service to the students, dining hall and Infirmary.

The **Heating Plant** is located south of Graham Building and provides heat and hot water for buildings on campus. The facility was completely renovated in 1973, at which time two of the four boilers were converted from coal-firing to oil operation, providing greater flexibility in the choice of fuel and reducing air pollution.

The **Bristow Building**, located at Main and Redford Streets on the eastern edge of the campus, was completed in 1972. The lower level contains offices of the housekeeping supervisor, and automobile, plumbing, painting, and electrical and air-conditioning shops. Parking for the motor pool and equipment is adjacent. The upper floor provides a warehouse for **Central Stores** and an office for the storekeeper.

The elegant and historic **Alumni House**, located two blocks from the main campus on High Street, was formerly the residence of the college president. It now provides facilities for social functions and limited overnight accommodations for visiting alumni.

A hard-surfaced parking lot for student automobiles was completed opposite the Student Union in 1970. It is lighted and will accommodate 90 cars. Two temporary parking lots are located opposite Curry and Frazer Residence Halls. Other temporary lots for students' cars are located adjacent to Iler Field and on Ely Street. Students' authorized automobiles are also permitted to park on the several streets passing through and bordering

the campus. The Chief of Campus Police maintains a chart showing parking areas and issues parking permits.

Parking for faculty and staff is provided in lots adjacent to Jarman Auditorium, Tabb Hall, Graham Building, Hiner Building, Coyner Building and the Fine Arts Complex.

It should be understood that every effort is made to provide students with parking areas. However, the College has no obligation nor authorization to expend funds for the purchase of additional land or to build additional parking areas. The College therefore reserves the right to modify the rules, at any time, in regard to who may have automobiles at the College.

Student Life Activities and Services

Orientation

The first few days of each regular session are designated as a period of orientation for freshmen and other new students. **The Colleagues**, a group of carefully selected sophomores together with orientation group leaders, and student assistants, conduct a program of study and activities which acquaints the new students with the customs, traditions, and regulations of the College. This program has proved to be exceedingly valuable to new students as they adjust to the life on the campus. Throughout the country the College is known for the sincere interest shown by the student body, faculty, and administrative officials in those beginning their study at Longwood.

Student Health Services

The College maintains a Student Health Service. Students needing medical attention are treated in the well-equipped infirmary maintained by College. The infirmary gives twenty-four hour service with a nurse available at all times. The College Physician is available on call at any hour for emergencies and sees patients regularly Monday through Friday. Services of consultants, hospitalization, private nurses, special prescriptions, x-rays,

IX implications and future legislation as it pertains to athletics at Longwood College; (3) To consider requests for new sports and new teams, or modifications and deletions of existing teams.

The Intercollegiate Athletic Council is appointed by the Vice President for Academic Affairs and includes the following members: Administrative Assistant to the President; Vice President for Student Affairs; Chairman of Department of Health, Physical Education & Recreation; three faculty members, two other than health, physical education & recreation faculty, and one from the athletic coordinating staff; Coordinator of Intercollegiate Athletics; Vice President of Student Government Association; and President of the Junior Class. The President and Vice President for Academic Affairs are *ex officio* members of the Council.

Honorary and Professional Societies

There are a number of honorary and professional societies which recognize excellence in various fields.

The principal honorary organization on campus is Geist. Established in 1966 as an outgrowth of Alpha Kappa Gamma, Geist recognizes young women in their junior and senior years who have compiled outstanding records in leadership, scholarship and service to the college community. The members of Geist continue to serve Longwood College by sponsoring the highly successful Oktoberfest weekend in the fall, a bloodmobile drive during the year, and by awarding the Elizabeth B. Jackson Scholarship to an outstanding student in the spring.

The Longwood chapter of the National Honor Society of Phi Kappa Phi was established at Longwood in February of 1972. Founded in 1897, the purpose of the society is to emphasize scholarship and character in the thought of college students, to foster the significant purposes for which institutions of higher learning have been founded, and to stimulate mental achievement by recognition through election to membership. Undergraduates are eligible for membership as last semester juniors or seniors. For consideration as a junior, the student must achieve a 3.75 cumulative quality point average. For consideration as a senior, he

must achieve a 3.50 cumulative quality point average.

Alpha Lambda Delta is a national society which honors high scholastic achievement in the freshman year. The local chapter was installed in the fall of 1966. To be eligible a freshman must have a 3.5 average at the end of the first semester, or a cumulative 3.5 at the end of the freshman year. The purpose of the organization, as stated in the constitution, is "to promote intelligent living and a high standard of learning, and to encourage superior attainment among freshmen in institutions of higher learning."

In addition, twelve departmental honorary societies are available at the College. Listings of these honoraries may be found in the *Handbook for Students*. **Honors Council**, composed of representatives from the twelve honor societies, seeks to further the academic atmosphere of the campus, provide an incentive for academic achievement, recognize those students who have achieved academic excellence, and coordinate the activities of the honor societies. The Council is composed of the president and a junior representative for each of the societies.



Departmental and General Organizations

Longwood has many organizations intended to bring together students having common interests. The departmental groups include those in the special interest areas of drama, music, dance, aquatic arts, foreign languages and leadership training. Detailed descriptions of all of these groups are explained in the *Handbook for Students*.

Fraternal Societies

Thirteen social sororities and fraternities are actively involved in campus events. Four social sororities were founded at Longwood. The first fraternity was colonized in 1976. The Panhellenic Council is the coordinating organization for eleven of the sororities on the campus.

Student Publications

The students of the College sponsor three publications: *The Rotunda*, *The Gyre*, and *The Virginian*. The activities of these publications are regulated by Publications Board, an advisory committee comprised of the editors and business managers of the three publications and members-at-large appointed from the student body.

The Rotunda is the College newspaper which keeps the students and faculty informed of events and the interests of the College as observed from the point of view of the students. It not only expresses the attitude of the students toward various phases of College life and current activities, but also exerts an important influence in the development of the ideals of the College community.

The Gyre is a literary magazine to which students contribute essays, poetry, short stories, and other writings, as well as art work. It sponsors contests, from time to time, to stimulate literary effort.

The Virginian is the yearbook of the College. Students are responsible for the art work, the editing, and the management of the publication. Each issue represents a cross section of College life for the year. It is, therefore, highly valued by the members of the graduating class.

ADMISSIONS, PLACEMENT, AND FINANCIAL AID



Admissions Requirements

Eligibility for admission. Longwood College is pledged to a non-discriminatory policy of admission concerning sex, race, creed, color or national origin. The following students are eligible to apply for admission to the College.

1. Graduates of public and private high schools accredited by the State Department of Education in Virginia or schools in the process of being accredited by the state department of education or the accepted accrediting agency of any other state.

2. Graduates of public and private high schools from states other than Virginia, which schools are accredited or are in the process of accreditation within their respective states.

3. G.E.D. certificate holders.

4. Advanced students transferring from other properly accredited colleges and universities. Such students are given a fair equivalent in credit for courses they have taken, provided they are entitled to honorable dismissal from other institutions they have attended and that they meet the other admission requirements of the College.

High school credits. Longwood College required for admission the following units beyond the eighth grade: four units in English; one unit in American history; one unit in American government; one unit in a laboratory science; one unit in algebra and one unit in geometry, or two units in algebra.

Longwood College welcomes applications from prospective students. The admission of all students is on a selective basis. Priority is given to the best qualified applicants. A student must rank in the upper 50% of the class and have made a score on the Scholastic Aptitude Test of the College Entrance Examination Board high enough to indicate success at Longwood College. In order to apply for admission a student must take the following steps:

1. Complete and return an application for admission. (The application must be accompanied by an application fee of \$15.00, which is not refundable.) The application and additional information about Longwood may be obtained by completing one of the cards in the back of this catalog or by writing to the Admissions Office, Longwood College, Farmville, VA 23901.

2. Request that the principal of the high school from which the student was (or is to be) graduated submit to the Director of Admissions a transcript of the high school records. Students who have attended other colleges or universities must likewise request that the registrars of those institutions send complete transcripts of their records.

3. All applicants are required to take the Scholastic Aptitude Test of the College Entrance Examination Board, or the American College Testing Service Examination; they must request that the test scores be sent to the Director of Admissions of Longwood College. Students who are planning to continue the study of a foreign language should take the achievement test in the language of their choice. Data from all tests recommended by the State Department of Education in cooperation with the local school divisions will be reported by the high school principal on the transcript form.

When the College receives the student's application, application fee, the transcripts of the records, and scholastic aptitude test scores, its Committee on Admissions carefully examines the student's qualifications and notifies the student as to whether or not the applicant is accepted for admission.

Students accepted for admission will be required to make a deposit of \$90. The date the payment is due will be indicated in the admission letter. The deposit is refundable until June 1.

Admission of transfer students. Transfer students from other institutions are admitted for both the fall and spring semesters.

In order to be considered for admission, the applicant must have maintained a grade point average of at least 2.0 on a 4.0 scale (1.0 on a 3.0 scale) on their total college course work and submit a high school transcript and SAT or ACT scores.

No student may be considered for admission to the College unless the student is, or was at the time of withdrawal, in good academic and social standing at the previous institution(s). An official transcript or other document must indicate this fact in addition to a statement of entitlement to honorable dismissal.

Transfer applicants who present the minimum qualifications are considered in relationship to other applicants for available spaces in an attempt to admit those students who present the highest qualifications.

Transfer students seeking admission to degree programs must be enrolled as a regular student for one academic sessions consisting of two semesters.

Readmission. Students who are in good academic and social standing with the College but have not been in attendance for one or more semesters must submit an application for readmission and be readmitted by the Office of Admissions before they will be permitted to register for classes as a regular student. The readmission fee is \$10.00.

Students who are on academic probation must secure permission to apply for readmission from the Dean of the College. An application for readmission must then be submitted to the Office of Admissions.

Admission to graduate study. Longwood College offers graduate programs leading to the degree of Master of Science in Education, Master of Arts in Education, and Master of Arts in English. Areas of specialization include supervision, early childhood education, and guidance and counseling. Application for admission is made in the Office of the Graduate Dean.

Title VI and VII of the *Civil Rights Act of 1964* and Title IX of the *Education Amendments of 1972* prohibit discrimination because of race, color, religion, sex, or national origin. Any person who believes he or she has been discriminated against should contact: Dr. T. C. Dalton, Affirmative Action Coordinator, East Ruffner Hall, Longwood College, 804/392-9338.

Career Information and Placement Service

In order to assist students in planning their careers and securing desirable positions upon graduation, the College maintains an Office of Career Information and Placement.

Through career information services, the student can obtain information regarding the types of careers possible with various subject concentrations, the preparation required for given careers, and the relative employability of individuals in various fields for the years

ahead. Traditionally, students have not established contact with placement offices until their senior year. Since it is now more important than ever to give careful consideration to the planning of one's career, students are encouraged to consult the Office of Career Information and Placement, the chairmen of academic departments, or one of the academic deans during their first year of matriculation at Longwood. Career counseling services, including vocational interest inventory administration and analysis, are available through the office of the Vice President for Student Affairs.

The Placement Office serves as a liaison between alumni, students and various school systems, businesses and industries. Representatives from these sources of employment are invited to the campus for the purpose of interviewing prospective employees. Only equal opportunity employers are permitted to recruit on campus. In addition, this office assists students in the preparation of resumes and provides orientation for interviewing and the entire job-seeking process. A credentials folder is maintained for each graduate and is available upon request to prospective employers.

Financial Aid

General Information. The purpose of the Longwood College student aid program is to provide financial assistance to students who, without such aid, would place an unreasonable financial hardship on their family. The College assumes that the primary responsibility for financing a college education lies with the student and his parents. Awards by the College are intended to supplement the family's contribution.

The Financial Aid Office offers financial information and counseling to all students attending Longwood. The types of financial assistance offered include student employment, loans, grants and scholarships. Eligibility for these programs is determined by completing the Financial Aid Form which is available from high schools or Longwood College. Application should be made prior to March 1 of the academic year for which funds are being requested.

A brochure containing specific information about financial aid may be obtained by visiting or writing the Financial Aid Office, Longwood College, Farmville, VA 23901.

Application procedures. An application for assistance consists of the following: (1) A completed Financial Aid Form [FAF] submitted to the College Scholarship Service no later than March 1, indicating Longwood College as an institution to receive the FAF. This need assessment document will determine your eligibility for a Basic Educational Opportunity Grant [BEOG] and all types of assistance from the institution; (2) Virginia state residents should also apply for the state grant by including the College Scholarship Assistance Program [CSAP] as an additional institution to receive the FAF. The deadline for this program is March 31.

All aid is awarded on the basis of an academic year. Students are expected to file application for renewal of aid each year.

Federal Programs Available Through Longwood: Basic Educational Opportunity Grant, Supplemental Educational Opportunity Grant, National Direct Student Loan, College Work-Study Program.

State Programs Available Through Longwood: College Scholarship Assistance Program, General Undergraduate Scholarship, Guaranteed Student Loan Program.

Institutional Programs at Longwood: Work-Study Program.

The Longwood Scholars Program. This program provides a limited number of exceptionally capable students with further opportunities for educational initiative and advanced study. It is open to matriculating freshmen who intend to fulfill the requirements for a bachelor's degree awarded by Longwood College. Applicants must possess high class rank and have an exceptionally high combined score on the college board examination. A brochure

outlining this program may be obtained from the Admissions Office, Longwood College.

Performance Scholarships. Each year various areas of the College are selected to award performance scholarships to entering freshmen. Awards in the past have been made in Art, Music, and Athletics. Application should be made directly to the department chairman of the academic area involved.

Army ROTC. Cadets may compete for Army Scholarships that include all academic fees, tuition, supplies, and equipment plus subsistence of \$100 per academic month. Scholarship information is available by writing to the Financial Aid Office at Longwood College. Non-scholarship cadets can earn \$100 per academic month during the advanced course work which begins in the junior year.

Institutional Programs at Longwood

Longwood Loan Funds in Memory or in Honor of:

Jennie Master Tabb
Mary White Cox
J. L. Jarman
Carrie Fowles
Robert Frazer
John A. Cunningham
Carrie Dungan/Nettie Chappell
Fay Byrd Johnson
Cover-Rawles

Longwood Loan Funds contributed by:

Lynchburg Alumni Chapter
Alpha Phi Sigma
Alpha Sigma Alpha
Alpha Sigma Tau
Sigma Sigma Sigma
Zeta Tau Alpha

Grant Funds:

Leola P. Wheeler—Awarded to a student preparing to teach speech and/or drama in public schools. Must be sophomore or above, maintained 2.0 GPA, demonstrated academic proficiency, and be a worthwhile member of the college community.

Elizabeth Burger Jackson—Awarded by Geist to outstanding sophomore or junior who has rendered dynamic service to Longwood and who exemplifies qualities of character and integrity.

Dabney Stewart Lancaster—Awarded to a sophomore, junior, or senior who

has acquired the spirit of Longwood.

Delta Kappa Gamma—Awarded to a graduate of Cumberland, Buckingham, or Prince Edward, based on merit and need.

Mary Clay Hiner—Awarded to a student in the field of English; apply to the Department of English and Philosophy.

Gamma Theta/Kappa Delta Alumni—Awarded on the basis of academic achievement and financial need.

Kappa Delta Founders—Awarded to an initiated member of a National Panhellenic Conference Sorority with a chapter at Longwood. Based on academic achievement, financial need, and service to the college.

John P. Wynne—Awarded to a student preparing to teach; based on financial need.

Lettie Pate Whitehead—Awarded on the basis of financial need.

Worthy Johnson Crafts—Awarded to a student in the field of home economics; apply to the Department of Home Economics.

Olive T. Iler—Awarded to a junior majoring in physical education who has demonstrated outstanding personal qualities, high ideals, good scholarship, and professional ethics.

Edith Stevens—Awarded to an outstanding junior biology major.

Badger/Magnifico—Awarded to an outstanding mathematics major; selection by department committee.

Helen Draper and Emily Barksdale—Awarded to a rising senior who will be student teaching and is an active member of the Foreign Language Club. (Must be used for study abroad.)

O'Hara/Waldo—Awarded on the basis of academic achievement and financial need.

R. C. Simonini—Awarded to an English major; selected by an English Department faculty committee. The award requires some part-time secretarial work.

Fred O. Wygal—Awarded to a member of the freshman class who has maintained a 2.0 GPA and has participated in extra-curricular activities.

Consideration is given to need. Apply to freshman class president prior to March 15.

Herbert R. Blackwell—Awarded to a student who has shown unusual academic promise in the freshman year.

Sally Barksdale Hargrett—Awarded to a Virginia resident who is a member of second, third, or fourth year undergraduate class. Recipient must be in need of assistance and be recommended by the Dean of the College, Dean of Students, Department Chairman, and Financial Aid Office.

Ann Elizabeth Downey—Awarded to a female student from Portsmouth or alternative Tidewater area.

Duke Scholarship—Awarded to an elementary education major, from the Chesapeake-Portsmouth area as a first preference.

Mrs. Samuel C. Oliver—Awarded to lineal descendants as first preference. If no lineal descendants, can be awarded to students of outstanding ability from Nansemond County, who need financial assistance.

Alfred I. Dupont—Awarded to worthy students during the first semester.

Diane Collet—Awarded to a home economics major with a minimum 2.0 GPA; must be involved in campus-wide activities of community service and must have financial need.

Carrie Sutherland Montz Fund

Nell H. Griffin Scholarship—Awarded to a home economics major; selected by a committee of home economics faculty and students.

Ann P. Thomas Scholarship

Morrison Memorial

Ellen V. Lockner

Chi Emergency Scholarship

Kathleen G. Cover Fund—Awarded to a sociology major; selected by sociology staff each year.

Mabel B. Norris

Outside Programs

Alumni Scholarships are awarded by various alumni chapters. Questions should be addressed to Alumni Office, Longwood College.

Methodist Student Loan. A student who is a full member of The United Methodist Church, a citizen of the United States, is admitted to a degree

program, and has a "C" average, may be eligible to borrow up to \$700 as an undergraduate student and \$1,000 as a graduate student each calendar year. Interest is 4% and payments do not begin until six months after graduation or withdrawal from school. For more information, contact the Director of the United Methodist Campus Ministry at Longwood College, 205 High St., Farmville, VA 23901, or phone 804/392-4933.

Guaranteed Student Loan Program enables the student to borrow directly from a bank, credit union, savings & loan association, or other participating lender who is willing to make an educational loan. The loan is guaranteed by the State or insured by the Federal Government. Information and application forms are available from participating lenders.

The Tuition Plan, Inc. Not a financial aid program, the Tuition Plan may be needed by parents for whom installment payments are more practical. A descriptive brochure may be secured from the Tuition Plan, Inc., Concord, NH 00331.

United Virginia Bank Student Loan Plan. Not a financial aid program, the United Virginia Bank makes available loan funds to assist students and parents in meeting educational costs. Contact your local United Virginia Bank or send for a descriptive brochure to: United Virginia Bank, P.O. Box 26665, Richmond, VA 23261. ATTN: Educational Loan Plan.

FINANCIAL INFORMATION

Fees and Expenses for Students Living in Residence Halls**

| | Virginia Students | Non-Virginia Students |
|------------------------|-------------------|-----------------------|
| Tuition | \$ 760.00 | \$1,260.00 |
| Comprehensive Fee*** | 1,655.00 | 1,655.00 |
| Activities Fee | 35.00 | 35.00 |
| Total—Nine Mo. Session | \$2,450.00 | \$2,950.00 |

Fees and Expenses for Students Not Living in Residence Halls

| | Virginia Students | Non-Virginia Students |
|------------------------|-------------------|-----------------------|
| Tuition | \$ 760.00 | \$1,250.00 |
| Comprehensive Fee*** | 165.00 | 165.00 |
| Activities Fee | 35.00 | 35.00 |
| Total—Nine Mo. Session | \$ 960.00 | \$1,460.00 |

*The fees indicated are for the 1978-79 academic year. Although we expect some increase for the 1979-80 academic year, you can be assured that we understand the difficulties of financing an education and we will do everything possible to hold any increase to a minimum.

**As a residential institution, Longwood College believes group living provides opportunities for personal development and education, and such group living leads to an appreciation of the responsibilities of group behavior. The College therefore requires all students, with the exception of those local students who prefer to live at home, to live in the residence halls. Any other exceptions must be made by a Hearing Board to be convened by the Dean of Students.

***Includes charges for Room, Board, Laundry, Post Office, Infirmary and any other applicable fees. Students requesting a single room will be charged an additional \$100 per semester, if space is available.

Method of Payment

Students will be invoiced at their home address, for their accounts as follows:

First Semester: one-half of the yearly charges, less any credits, will be invoiced

on or about July 15, and are payable by August 15.

Second Semester: the remaining half of the charges, less any credits, will be invoiced on or about November 23, and are payable by December 21.

Registration for each semester may not be completed until fees and expenses have been paid or secured to the satisfaction of the College.

No credit for college work may be given to any student for a diploma, a teacher's certificate, or for transfer purposes until all financial obligations to the College, other than student loans, have been paid.

Classification as a Virginia Student

No person shall be entitled to the admission privileges, or the reduced tuition charges, or any other privileges accorded to domiciliaries, residents or citizens of Virginia, unless such a person has been a bona fide citizen or resident of Virginia for a period of at least one year prior to admission, provided that the Board of Visitors may set up additional requirements for admitting students.

Part-Time Students

Virginia students taking 12 or more credit hours will be charged full rates. Virginia students taking less than 12 credit hours will be charged at the rate of \$30.00 per credit hour. Non-Virginia students will be charged at the rate of \$35.00 per credit hour.

A part-time comprehensive fee is charged per semester in addition to the credit hour rate as follows:

| 9-11 hours | 6-8 hours | 5 & under |
|------------|-----------|-----------|
| \$62.00 | \$41.00 | \$20.50 |
| 13.50* | 5.00* | 4.50* |
| \$75.50 | \$46.00 | \$25.00 |

*Activities Fee

Graduate Students

For students taking graduate courses at the College, the charge is at the rate of \$90.00 for each course carrying 3 semester hours credit. For non-Virginia

students, there will be an additional charge of \$15.00 per course. Graduate students registering for thesis work will pay a fee of \$180.00. This amount is to be paid only once.

Field Experiences

Since charges vary for students enrolled in student teaching, social work, business administration, government or therapeutic recreation, semester rates may be obtained in the Business Office.

A \$90.00 deposit is required of all students enrolling in the field experiences programs. This deposit will be invoiced on or about February 1, and payable by March 1. This fee is refundable until June 1.

Application and Readmission Fees

An advance application fee of \$15.00 is required of all undergraduate students making their first application to Longwood College. For returning students, a \$10.00 readmission fee will be invoiced by the Business Office on February 1, and is payable by March 1. Both the application fee and the readmission fee are not refundable.

Reservation Fee

A \$90.00 deposit is required of all students to reserve their admission to Longwood College

Former students will be invoiced for the deposit on February 1, and it shall be payable by March 1.

New Students will be invoiced for the deposit in the letter of admission from the Longwood College Admissions Office. All deposits are refundable up to June 1.

Liability Insurance

Longwood College carries personal liability insurance for all students engaged in observation and field experiences.

Accident and Sickness Insurance

Longwood College has arranged with a casualty company for the provision of a student accident and sickness insurance plan. At the present time, participation in this plan is voluntary, and the premium must be paid by the student. The College furnishes the casualty company with a roster of the students who will enter Longwood each August enabling the company to send each parent a brochure explaining the benefits of the plan and the cost.

Diploma Fee

A fee of \$10.00 will be charged for a Bachelor's diploma and \$10.00 for a Master's diploma.

Special Examination Fee

A charge of \$5.00 will be made for each deferred examination and for the one re-examination permitted each senior.

Automobile Registration Fee

Cars must be registered with the Business Office who will issue parking permits. The fees for registration of motor vehicles on campus shall be \$5.00 for the academic year.

Parking and operational violations: first violation—\$2.00; second-fourth violation—\$3.00; fifth and subsequent violations—\$5.00.

All fees or fines must be paid to the

Business Office within five (5) days. After the fifth violation, the student's registration permit may be revoked by the Car Committee.

Transcript Fee

One copy of a transcript will be provided without charge. Additional transcripts will be provided for a fee of \$2.00 for the first copy and 50 cents for each additional copy requested at the same time.

Refunds

The following charges and refunds will be made to students withdrawing from college:

A student withdrawing within 15 calendar days from the date classes commence will be charged $\frac{1}{4}$ of the total tuition and fees for the semester. Any credits beyond this charge will be refunded within 15 days from date of withdrawal.

A student withdrawing 16 to 40 calendar days from the date classes commence will be charged $\frac{1}{2}$ of the total tuition and fees for the semester. Any credits beyond this charge will be refunded within 15 days from the date of withdrawal.

A student withdrawing 41 to 80 calendar days from the date classes commence will be charged $\frac{3}{4}$ of the total tuition and fees for the semester. Any credits beyond this charge will be

refunded within 15 days from the date of withdrawal.

A student withdrawing after 80 calendar days will be refunded only a pro-rata amount of the unused board fee.

Exceptions: Refunds will be made at the discretion of the President of the College to students whose connection with the College terminates on account of personal illness, certified by a physician, unavoidable emergency, or whose connection with the College terminates on account of disciplinary action or enforced withdrawal.

Guests

Students entertaining guests in the College dining hall are charged the following rates, tax included: breakfast—\$1.75; lunch—\$2.25; dinner—\$3.00.

Former students of the College are always welcome, and are not charged for meals for a period not exceeding two days, with the exception of two weekends. On the weekends of Oktoberfest and Spring Festival, guests, including alumni, are charged for meals at the rates stated above.

Students are not permitted to invite guests for weekend visits unless the invitation is approved by the Head Resident. Meals for guests, other than alumni, are charged at the rates stated above. Meal tickets may be secured from the Information Office.



ACADEMIC INFORMATION



Summarized in this section is important information related to the academic work of the College. Students must be familiar with the information in this section. *It is the responsibility of each student to be certain that academic requirements necessary for graduation are completely fulfilled.*

Course Numbers

The courses listed in this catalogue that are numbered between 100 and 199 are designed primarily for first and second year students; those between 200 and 299 are for second year students; those between 300 and 399 are for second, third and fourth year students; and those between 400 and 499 are for third and fourth year students. Undergraduate Honors Courses are numbered 498 and 499. Courses numbered from 501 to 599 are for graduate students and advanced undergraduates.

Students are not permitted to enroll in courses that are more than one year above or below their classification, except with permission of the Dean of the College.

Student Load

The College is organized on the semester plan whereby the credit hour, abbreviated as "credit", is the semester hour. The average schedule of a student during a semester includes classes giving from fifteen through seventeen credits. *Boarding and regular students are required to carry a class load giving a minimum of twelve credits.* Freshmen may only carry seventeen credits; however, an upperclass student may carry as many as eighteen credits without special permission. A schedule beyond that amount requires special permission from the Dean of the College. Such permission is rarely granted to a student whose academic average for the preceding semester is less than 2.50.

Academic Advising

The student's first experience with academic advising is in the Summer Academic Planning Program, which is designed to help new students, prior to

their freshman year, orient themselves to the curriculum requirements and course offerings of the College. Each student works closely with a faculty adviser during a two-day session of academic orientation. This summer program provides students with an opportunity to become familiar with the College before entering in the fall.

Students should consult with their academic adviser prior to each registration to ensure the proper fulfillment of all graduation requirements. Periodic discussions of the curriculum between adviser and student enables the student to achieve maximum awareness of the academic opportunities available at the College.

Registration and Course Changes

Registration for courses is held each semester on the first day of the semester; students who have not paid their bill for the semester must come to registration prepared to do so. After registration, all schedule changes made by students must be approved by the student's faculty adviser and by the Registrar.

No student is permitted to enroll in a course for credit later than one week after classes begin in any semester. Any student who withdraws from or "drops" a course after the designated drop-add period is over in any semester will receive a grade of "F" in the course unless the withdrawal is due to advice of the College Physician or to the withdrawal of the student from college, in which case a grade of "W" is given.

No credit is allowed for any course taken for which the student has not registered and which is not listed on the approved schedule of classes filed in the Registrar's Office.

Adjustments in Curriculum Requirements

The College recognizes that the prior achievement of the students whom it admits varies greatly in the subject matter fields. For example, some are much more proficient in a subject such as English composition than are others. As a result, enrolling in identical basic courses in the freshman or later years usually results in heterogeneous classes in which the well-prepared student is not challenged and the student with the less and usual

preparation is confronted with exceedingly difficult tasks.

Because of these differences in prior achievement, the College offers every student an opportunity to demonstrate achievement in a required subject prior to enrolling in it. This may be done by the use of an oral or written examination, through CLEP tests, or a conference, at the discretion of the department involved. At times, this evaluation may be made after the student has been enrolled in a course for one semester. Unusual proficiency demonstrated in the first semester of a two semester course may indicate that the student should not continue in the same course but enroll in one of a more advanced nature.

In any case wherein the student is found to have a satisfactory knowledge of a subject prior to enrolling in it, or after completing a part of the study in it, the chairman of the department in which the subject is taught will notify the Registrar. In such a notification, he will state that the student is excused from taking the subject and will indicate the subject or course that may be taken in its stead. This may be an advanced course in the same subject or an elective course in any field, chosen with the advice of the chairman.

Unless a CLEP test is passed, the student is not granted college credit for prior achievement. However, recognition of such achievement enables the student to plan a program of study that is challenging and in accord with individual needs.

Advanced Placement and CLEP

Longwood College offers advanced placement with college credit through the College Level Examination Program (CLEP) and through Advanced Placement Examinations. Both programs are administered by the Educational Testing Service, Box 592, Princeton, New Jersey. Students seeking information concerning CLEP or Advanced Placement Examinations may contact the Educational Testing Service, the Admissions Office of Longwood College, or their high school guidance counselor.

Class Attendance

Students are expected to attend all classes. Failure to attend class regularly may impair academic performance and the student must assume full responsibility for any loss incurred because of absence. Instructors may require explanations for class absences, and they will decide whether these explanations justify permitting the student to make up missed work.

Instructors are required to permit students to make up work missed when the absence has resulted from [1] illness, [2] the student's participation in a College-sponsored activity, or [3] recognizable emergencies.

Grades

The achievement of a student in a course is indicated by the grade that is received. The significance of these marks is indicated below:

- A:** Superior work
- B:** Above average work
- C:** Average work
- D:** Below average but passing work
- P:** Pass
- F:** Failure
- I:** This grade indicates that because of illness or for other good reason the work of the semester has not been completed. When this work has been completed acceptably, a final grade will be reported. *A grade of "Incomplete" will revert automatically to a grade of "F" if the necessary make-up work has not been completed by the last day of examinations for the semester immediately following the one in which the "I" was incurred.*
- W:** This symbol indicates that a student withdrew from a course. It is used in cases of students dropping courses after the drop period at the beginning of a semester for medical reasons and for those students who withdrew from the College prior to the end of a semester.

The lowest passing grade is "D". However, for a degree a student must earn a general average of "C" (a quality point

average of 2.00) on all college work. Also the student must have a general average of "C" in those courses constituting the major subject or field. If a student repeats a course in order to raise an average, the grade received on the repeated course will replace the original grade. *Credit toward graduation will be granted only one time for any course.*

Students may take certain courses under the pass-fail system approved by the faculty in 1974. Pass-fail courses are open to undergraduate students with 30 or more credit hours. A student may take a maximum of three courses or 9 hours, whichever is greater; these courses may not be those which are required for general education or major requirements. The student must do satisfactory work in order to obtain a passing grade. Pass-fail hours will not be included in the grade point average. Students who wish to take a course for pass-fail must notify the registrar of that fact before the end of the first six weeks of classes in the semester.

At the end of the first half of each semester of the regular session, mid-semester grade estimates are issued to freshmen and their parents or guardians. Estimates are also issued at this time to upperclassmen who have a grade of "D" or "F" in any course. These are not official grades. Instead, they represent the instructors' estimates of the students' progress up to that point. At the end of each semester, reports are issued to students and their parents or guardians showing the final grade earned in each course in which they are enrolled.

NOTE: A student who fails a course at Longwood College may not repeat that course at another institution.

Repetition of Courses

Should the student choose or be required to repeat any courses, for the first five courses repeated, the student's most recent grade will be used in computing the quality point average, without increasing the total number of hours attempted in calculation of the quality point average. If additional courses are repeated, all grades and hours attempted for these courses will be used in the calculation of the quality point average.

Quality Credits

The quality of work completed by a student is recognized by the assignment of points to various grades.

Under this system, 4 quality points are given for each credit on which an "A" grade is made; 3 quality points are given for each credit on which a "B" grade is made; 2 quality points are given for each credit on which a "C" grade is made; and 1 quality point is given for each credit on which a "D" grade is made. No quality points are given if a grade of "F" is made in a course.

Under the four point system, a student's quality point average may be computed by dividing the number of quality points earned by the total number of semester hours attempted. *A student's quality point average is based only on work taken at Longwood College.*

The one exception to this regulation is when a student's quality point average is being computed for honors at the end of the senior year. At that time, all work, both at Longwood and elsewhere, is used to compute averages for honors.

English Proficiency

All students are encouraged to increase their proficiency in the oral and written use of the English language. Students not proficient in English may receive a communication condition from the Office of the Dean of the College. Any student placed under communication condition may not graduate unless improved proficiency is demonstrated by examination.

Scholastic Achievement Necessary to Remain in College

Academic Probation is a state of warning and indicates that the student's work is not satisfactory. Freshmen whose cumulative point average is less than 1.6 at the end of the academic year are placed on academic probation. Sophomores whose cumulative quality point average is less than 1.8 at the end of the academic year are placed on academic probation. Juniors whose cumulative quality point average is less than 2.0 at the end of the academic year are placed on academic probation. Freshmen and sophomores whose cumulative quality point average is less than

1.6 and 1.8 respectively at the end of the first semester will be sent letters of warning which will remind them that their academic performance is not satisfactory and that improvement must be made during the following semester. All students whose cumulative quality point average is less than 2.0 will receive notification that their work to date is substandard and improvement is expected and necessary.

Full-time students at any class level who achieve less than a 0.5 average during any semester will be placed on academic probation immediately. Such students will be given one semester, during which at least 12 hours must be attempted, to make at least a 2.0 on that semester's work. Failure to achieve this average in a semester will result in academic suspension from the college for a calendar year.

For students who start their academic careers in the summer or during the second semester, a year will end when they have attempted at least 12 hours per semester for two semesters.

Academic probation may be removed by increasing the quality of academic performance during the regular session and/or by attending the summer session at Longwood College. Students on academic probation are encouraged to attend the summer session in order to remove the academic deficiency as soon as possible. Students on academic probation have the following twelve calendar months (two regular semesters and one summer session) in which to improve their cumulative quality point average. Failure to do so will result in academic suspension from the college for one calendar year.

For the determination of academic probation, a freshman is defined as a student who has attempted at least 12 hours per semester for a total of 24 to 30 hours after two semesters; a sophomore has attempted at least 12 hours per semester for a total of 48 to 60 hours after four semesters; and a junior has attempted at least 12 hours per semester for a total of 72 to 90 hours after six semesters. In summary, to remain off academic probation the following cumulative quality point averages must be attained:

1.6 at the end of the freshman year;
1.8 at the end of the sophomore year;
2.0 at the end of the junior year and thereafter.

Students are reminded that a 2.0

cumulative quality point average on all work and in all major courses is necessary for graduation. In addition, all work must be completed in ten full-time semesters (a minimum of 12 semester hours per semester.)

Students on academic probation may not transfer credit earned at other institutions during the probationary period.

Academic Suspension. After being placed on academic probation, students have the following twelve calendar months (two regular semesters and one summer session) in which to remove themselves from this status. Upon failure to do so, the student will not be permitted to enroll in Longwood College for at least one calendar year. Upon being readmitted, the student has twelve months to remove the academic deficiency. Failure to do so will result in suspension from the college for at least five years.

Enforced Withdrawal

The College will suspend or expel any student who fails to meet the standards of the College and the Student Government Association. In such a case, there will be a refund to the student.

Release of Information About Students

Longwood College recognizes the right of privacy of students regarding their individual academic and non-academic records and will make every effort to keep each student's record confidential. The College subscribes to the recommendations developed by the Committee on Records Management and Transcript Adequacy of the American Association of Collegiate Registrars and Admissions Officers. The College is also in compliance with the Family Educational Rights and Privacy Act of 1974. Copies of the College policy regarding release of information are available in the Office of the Registrar.

Academic Honors

The College recognizes superior scholarship through its Dean's List and the announcement of an honor list at each commencement. The Dean's List is published at the end of each semester.

Students whose names appear on it are those who have earned an academic average of 3.50 or above on a minimum of 12 semester hours work taken in the semester with no grade below "C". Students eligible for the Dean's List must complete all courses in the semester for which they are registered. A grade of "I" on a student's record prevents consideration for this honor.

Those students whose general averages for all credits offered for a degree for four years of study are 3.35 or above are graduated with the following honors: 3.35-3.54—"Cum Laude", 3.55-3.74—"Magna Cum Laude", and 3.75-4.00—"Summa Cum Laude". The College also recognizes graduating seniors who have successfully completed an honors program in a specific academic area.

Examinations

Written examinations are given during a designated period at the end of each semester to every student enrolled in each course in the College. These are each three hours in length.

Re-examinations are not permitted for freshmen, sophomore, or juniors. A senior student is permitted on re-examination during the senior year. This may be in either the first or second semester. A fee of five dollars is assessed for this re-examination. Seniors taking advantage of this option must have the Registrar's permission before the re-examination will be given.

Transfer of Credits

The College accepts, on transfer, credits of acceptable grades earned in other accredited colleges and universities provided such credits may be applied toward the requirements for a degree in this institution. Grades earned at other institutions will be recorded at Longwood College in terms of semester hours of credit earned if the transfer grade is "C" or better. Transfer credits of a grade quality below "C" are not accepted.

The cumulative quality point average of each student will be calculated on work taken only at Longwood. Transfer credit accepted from other institutions will be used to reduce the number of credits required for graduation, but will not enter into the calculation of the quality point aver-

age. The sole exception to this rule occurs when a student applies for graduation. At that time, the grades for all credits offered for a degree, including transfer work, will be computed to determine the overall academic average for all degree work to determine academic honors earned.

Not more than fourteen semester hours of correspondence course credit and not more than thirty semester hours of extension class and correspondence study combined may be credited toward a degree. *WARNING: Correspondence courses should not be started after the beginning of the senior year, since failure to complete correspondence work is a frequent cause of failure to meet graduate requirements.* The College does not accept on transfer, credits earned through correspondence courses in the natural and physical sciences and certain other subjects. Students must obtain approval to include in their degree program correspondence and extension courses prior to enrolling in them. Otherwise, the College can assume no responsibility for accepting such grades on transfer.

The College cannot grant a student permission to enroll in a correspondence or extension course until after the student has attended this institution for at least one full summer session or a semester of the regular session.

When a student is enrolled in the College and enrolls also in a correspondence or extension course, the credit to be earned in the course will be counted in the total load of work that students are permitted to carry.

Hampden-Sydney Courses

The variety of courses available to Longwood students has been increased by a cooperative arrangement with Hampden-Sydney College. Under the terms of the arrangement, full-time students at either institution may enroll for courses at the other institution without added expense. Students desiring to take advantage of this program must secure approval from their major adviser.

The Teacher Education Program

Initial Interest. A student may, at the time of admission to college, declare an intent to enter a curriculum leading to teacher education. In addition to the prescribed prerequisites for admission, special consideration to health, scholarship, character, and teaching potentialities is made of the applicant. The Director of Student Teaching serves as a consultant to the Committee on Admissions on all applications of students declaring an intent to pursue a teacher education program. Applicants who possess physical defects or histories of emotional disorders are required to submit to a personal interview at which time a committee passes on each case prior to admission to college. This committee is composed of the Director of Admissions and the Director of Student Teaching.

Final Approval. Admission to the College does not constitute admission to the program of teacher education. Final admission to the teacher education program is given normally during the fifth semester of the student's program or to students who have earned at least sixty semester hours credit. The Committee on Teacher Education serves as the screening committee for admission.

The Committee on Teacher Education consists of six members: The Chairman of the Department of Education, The Director of Student Teaching, two College Supervisors of Student Teaching, and the Chairman of the department and departmental consultant in which the student is majoring. The Director of Student Teaching serves as Chairman.

Applications for approval in a teacher education program may be filed after a student has completed at least sixty semester hours credit. The student files an "Application for Acceptance in Teacher Education and Student Teaching", prior to October 15 of the junior year. Included in the application form is a formal recommendation signed by the departmental chairman of the student's major.

The Committee on Teacher Education employs the following criteria and procedures in its screening program for final admission:

1. The student must be a senior and shall have completed 90 semester hours of work.
2. The student must present evidence

of the satisfactory completion of a broad background in general education.

4. The student must demonstrate adequate preparation in professional courses with a minimum grade of "C" on each course or a "C" average. For secondary majors this shall include *Developmental Psychology II* and *Principles of Secondary Education*. For elementary majors this shall include *Developmental Psychology I and II*, *Developmental Teaching of Reading*, *Diagnostic Teaching of Reading* and *Principles of Kindergarten and/or Elementary Education*.
5. The student shall have demonstrated effective command of communicative skills.
6. The departmental chairman of the major field shall recommend that the student be allowed to pursue a teacher education curriculum.
7. The student may, at the discretion of the committee, be required to submit evidence or pass such tests regarding academic proficiency as may be deemed necessary.

Student Appeal. A student denied admission to the teacher education program may submit an appeal to an appeal board consisting of the Dean of the College, the Director of Student Teaching, the Chairman of the Education Department, and the departmental chairman of the student's major.

Certification Requirements. In order to satisfy certification requirements of the Virginia State Board of Education, the student must complete the appropriate student teaching program described below:

1. The elementary major seeking endorsement in Nursery, Kindergarten and Grades 1, 2, and 3 is required to engage in student teaching for a ten-week period during either the Fall or Spring Semester of the senior year. Five weeks will be devoted to kindergarten experiences and five weeks will be spent in either grades 1, 2, or 3.
2. The elementary major seeking endorsement in Grades 4, 5, 6 and 7 and the secondary major seeking endorsement in a subject area at the high school level is required to engage in student teaching for a ten-

week period during either the Fall or Spring Semester of the senior year.

Longwood College does not recommend a student for certification as a teacher if the grade in student teaching is below "C". Students are reminded that an official designated by the President of the College is required to state in the case of the person taking the State Approved Teacher Preparatory Program that the applicant is "qualified by character and temperament for the teaching profession."

Graduation Requirements

The College awards the bachelor's degree to a student who has fulfilled the following requirements:

1. Completion of all study required in one of the five degree programs offered.
2. *For majors that do not require field experiences:* completion of a course of study giving a minimum of 126 semester hours of credit with a minimum general average of "C" in all work taken and a minimum general average of "C" in courses taken in the major subject or field.
3. *For majors that require field experiences:* completion of a course of study giving a minimum of 128 semester hours of credit with a minimum general average of "C" in all work taken and a minimum general average of "C" in courses taken in the major subject or field.
4. All students must demonstrate swimming proficiency. Students may either pass the College swimming test, or pass a swimming course to fulfill this requirement.
5. Removal of communication conditions, if any.
6. Attendance as a student for at least one session consisting of two semesters, including the last semester immediately preceding graduation. (One ten-week summer session in which the student carries a full load of courses may be substituted for one semester, but no student can be graduated on the basis of summer work along.)
7. Not more than fourteen hours by correspondence nor more than thirty hours by correspondence and/or extension.
8. The maximum length of residence within which the requirements for a

degree must be met is ten semesters.

9. Approval of the individual by the general faculty as a worthy candidate for graduation.
10. An *Application for Graduation* must be filed with the Registrar at least one full semester prior to the date of graduation.

It is solely the responsibility of the candidate for graduation to meet all of the above requirements, including the completion of 126 or 128 semester hours of work, whichever is appropriate.

Changes in Requirements

Progressive development in the College forces frequent revision of curricula. In every new catalogue some improvements are indicated. When no hardship is imposed on the student because of changes, and when the facilities of the College permit, the student is expected to meet the requirements of the latest catalogue. In this way, the student may realize the benefits of improvements in the current curriculum. If the student finds it impossible to meet the requirements of the latest catalogue, the catalogue for the year in which the student entered becomes the binding one in terms of requirements for graduation, subject to stipulation of the succeeding paragraph.

Students returning to the College after an interruption of four or more years of their college study are required to conform to the requirements of the latest catalogue.

PROGRAMS OF STUDY

Longwood College awards the Bachelor of Arts, the Bachelor of Fine Arts, the Bachelor of Science, the Bachelor of Science in Business Administration, the Bachelor of Science in Business Education, or the Bachelor of Music Education to successful undergraduate students. *A minimum of 126 semester hours is required for graduation in each of the programs; students in programs which require field experience must complete 128 hours for graduation.*

General Education Requirements

A total of 48 semester hours in General Education is required for each degree, except the Bachelor of Art,

which requires 51. All students must take English 100, 101 and Health Education 100. Some degree of freedom may be exercised by the student in choosing the other hours of General Education requirements. However, students are urged to consult with their academic adviser and with the departmental description of their respective majors to determine specific general education courses that may be prescribed by the department. The five areas which comprise the General Education program are as follows: *for the degrees of Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Business Education, and Bachelor of Music Education*—Humanities, 18 semester hours; Social Sciences, 12 semester hours; Natural Sciences, 8 semester hours; Mathematics, 6 semester hours; and Health and Physical Education, 4 semester hours; *for the degree of Bachelor of Arts and Bachelor of Fine Arts*—Humanities, 21 semester hours; Social Sciences, 12 semester hours; Natural Sciences, 8 semester hours; Mathematics, 6 semester hours; and Health and Physical Education, 4 semester hours.

Certain restrictions are placed upon the courses that may be chosen to satisfy the General Education requirements. The following section describes restrictions that apply to all students. Some of the departments involved in supplying General Education courses may recommend certain of their courses for this requirement. However, the student should remember that these recommendations do not necessarily preclude the choice of another course in which the student may have a special interest.

Humanities (Bachelor of Arts and Bachelor of Fine Arts Degrees)

1. English composition (English 100, 101), 6 credits, is required.
2. Six credits must be completed in art, music, and/or dramatic arts. All of the hours may be taken in one of these disciplines, or the credits may be split among them.
3. Three credits must be completed at the 200 level in foreign language. These credits may be taken only by students who are proficient in the language at the beginning and intermediate levels. Proficiency may be obtained at Longwood College,

through work taken prior to entering Longwood College, or through transfer credits.

4. Three credits must be completed in literature, which may include foreign language literature. However, if the student wishes to fulfill the literature in a foreign language it must be above and beyond the stipulations set forth in number 3 above.
5. Three credits must be taken in literature, philosophy or religion. If the student wishes to fulfill this requirement in foreign language literature, it must be above and beyond the stipulations set forth in numbers 3 and 4 above.

Humanities (all degrees except Bachelor of Arts and Bachelor of Fine Arts)

1. English composition (English 100, 101), 6 credits is required.
2. Six credits must be completed in art, music, and/or dramatic arts. All of the hours may be taken in one of these disciplines, or the credits may be split among them.
3. Three credits must be completed in literature, which may include foreign language literature.
4. Three credits must be taken in one of the following areas: Art, Dramatic Arts, Foreign Language, Literature, Music, Philosophy, Psychology (except 240 or 250), or Religion.

Social Sciences (all degrees)

1. American History (History 121 or 122), 3 credits, is required.
2. Nine hours of work must be completed in at least two of the following areas: Anthropology, Economics, Geography, Government, History, and Sociology.

Natural Sciences (all degrees)

1. A four-hour laboratory course from Biology, Botany, Zoology.
 2. A four laboratory course from Astronomy, Chemistry, Geology, Physical Science, Physics.
- A student may elect two four-hour laboratory courses in the same science, biological or physical, if at least one of these courses is at the 200 level or above.

Mathematics (all degrees)

All students must complete six hours of mathematics and/or computer science.

Health and Physical Education (all degrees)

1. Health Education 100, 1 credit, is required.
2. Students may complete this requirement by taking 3 credits in any physical education activity course numbered 101 through 124.

Students are urged to consult with their major advisers, their department chairmen, or the Assistant Dean of the College before selecting courses to meet these requirements. *Students are reminded that they may not select courses that have prerequisites without taking the prerequisites; that they may not take courses designated "for majors only" unless that is their major; and that they may not take courses bearing numbers more than one class above or below their present class standing.*

Those students preparing to teach will take the sequence of courses in Teacher Education. The specified courses to be completed by prospective elementary education teachers are as follows:

Psychology 240, 250/6 semester hours

Education 453 or 454/3 semester hours

Education 480, 482, 484, 486, 488/8 semester hours

Education 400 or 401/10 semester hours

TOTAL/27 semester hours

Furthermore, the student majoring in elementary education must take the additional courses indicated by the Department of Education and Psychology in the next section of this catalogue.

The specified courses to be completed by prospective secondary education teachers are as follows:

Psychology 250/3 semester hours

Education 455/3 semester hours

Education 480, 482, 484, 486, 488/8 semester hours

Education 402, 403, 404 or 405/10 semester hours

TOTAL/24 semester hours

The Degree of Bachelor of Arts

This degree is available to students completing a major program in art education, biology, chemistry, drama, earth science, economics, English, French, geography, government, history, Latin, mathematics, music, physics, social science, social work, sociology, Spanish, or speech pathology.

There are no additional requirements beyond those in general education and, for students seeking certification, those in teacher education except as prescribed by the department in which the major program is taken.

The requirements for a major program vary according to the department being considered. They may be found in the section of the catalogue entitled *Departments of Instruction*.

The Degree of Bachelor of Fine Arts

The Bachelor of Fine Arts degree is awarded to those students completing a major program in studio art or art history. The general education requirements are the same as those for the Bachelor of Arts degree.

The requirements for a major program vary according to the concentration chosen. They may be found in the section of the catalogue entitled *Departments of Instruction*.

The Degree of Bachelor of Science

The Bachelor of Science degree is available to students who complete a major program in art education, biology, chemistry, drama, earth science, economics, elementary education, geography, government, history, home economics, mathematics, office administration, physical education, psychology, physics, social science, social work, sociology, speech pathology, or therapeutic recreation.

There are no additional requirements beyond those in general education and, for students seeking certification, those in teacher education except as prescribed by the department in which the major program is taken.

The requirements for a major program vary according to the department being considered. They may be found in the section of the catalogue entitled *Departments of Instruction*.

The Degree of Bachelor of Science in Business Education

This degree is awarded to students completing a major program in business education. The general education and teacher education requirements are the same as those for the Bachelor of Science degree.

The Degree of Bachelor of Music Education

The Bachelor of Music Education degree is awarded to students completing a major program in music education. The general education and teacher education requirements are the same as those for the Bachelor of Science degree.

The Degree of Bachelor of Science in Business Administration

This degree is awarded to students completing a major program in business administration. The general education and teacher education requirements are the same as those for the Bachelor of Science degree.

Majors

In order to earn a degree from Longwood College, each student must pursue and complete a concentrated course of study in a major area. These requirements must be met in addition to the completion of the general education requirements. At the undergraduate level, Longwood offers majors in 28 separate fields of study. Detailed requirements for each major program are listed with the appropriate department. The programs of major study, with the degree options for each, are as follows:

| Major | Degree Options |
|-------------------------|----------------|
| Art | B.F.A. |
| Art Education | B.S.,B.A. |
| Biology | B.S.,B.A. |
| Business Administration | B.S.,B.A. |
| Business Education | B.S.B.E. |
| Chemistry | B.S.,B.A. |
| Dramatic Arts | B.S.,B.A. |
| Earth Science | B.S.,B.A. |
| Elementary Education | B.S. |
| English | B.A. |
| French | B.A. |

| | |
|-----------------------------|-----------|
| Government | B.S.,B.A. |
| Health & Physical Education | B.S. |
| History | B.S.,B.A. |
| Home Economics | B.S. |
| Mathematics | B.S.,B.A. |
| Music | B.A. |
| Music Education | B.M.E. |
| Office Administration | B.S. |
| Physics | B.S.,B.A. |
| Pre-Medical Technology | B.S. |
| Psychology | B.S. |
| Social Science | B.S.,B.A. |
| Social Work | B.S.,B.A. |
| Sociology | B.S.,B.A. |
| Spanish | B.A. |
| Speech Pathology | B.S.,B.A. |
| Therapeutic Recreation | B.S. |

Minors

Students may choose to use their elective hours by pursuing a minor program in a field not directly related to their major area of study. Minor programs consist of 18-24 hours of concentrated study. Students interested in pursuing a minor are urged to contact the chairman of the department.

Graduate Program

Longwood College offers a Graduate Program leading to the degree of Master of Science in Education, Master of Arts in Education, and a Master of Arts in English. In Education, areas of specialization include supervision, early childhood education, guidance and counseling, and reading. The Graduate Program is designed to provide capable students opportunities for individual inquiry and to prepare qualified school personnel for assuming leadership roles in education.

Undergraduate credit can be earned by seniors, and in some cases by juniors, by enrolling in a 500-level course. The specific requirements for an undergraduate enrolling in a 500-level course for undergraduate credit are listed with the course descriptions.

A senior at Longwood College may take up to six hours of graduate credit beyond the undergraduate degree requirements. Such credit may be earned only in 500-level courses and if it meets course requirements for the degree may be counted toward a master's degree.

A student must have a "B" average in major courses, be recommended by the chairman of the major department and receive approval in advance by the Graduate Council.

No graduate credit is given unless a formal application has been approved by the Graduate Council prior to the completion of the course.

Except for students in the English program, all graduate students in the Longwood College Graduate Program either major or minor in Education. Therefore, all graduate students are required to complete a core program of nine semester hours in education and education psychology. This core program meets the Virginia State Certification requirements and makes it possible for a teacher with two or more years of experience and holding the Collegiate Certificate to raise that certificate to the level of College Professional Certificate. Holders of the Collegiate Professional Certificate will be eligible for the Postgraduate Professional Certificate upon completion of their master's program.

A student who holds a baccalaureate degree from an accredited institution may apply for admission to graduate study. Applications for graduate study are reviewed by the Graduate Council in January, May and August. The Director of the Graduate Program will notify the applicants, in writing, of the Graduate Council's action. An applicant may request a review of his records at other times by writing the Director of the Graduate Program.

Cooperative Program in Speech Pathology and Audiology

A Cooperative Program between Longwood College and the University of Virginia has been established to serve an increasing demand for teachers and clinical workers with special training in speech pathology and audiology. The program consists of three years at Longwood and one pre-professional year in speech pathology and audiology at the University. The degree from Longwood College is either a Bachelor of Science or a Bachelor of Arts degree. Transfer to the University of Virginia is possible at the end of two years if students have a cumulative average of 3.0. In such a case, the degree is granted by the Uni-

versity of Virginia. Students in the co-operative program attending the University of Virginia will pay the fees of the University.

The programs for the Master's degree in Speech Pathology and Audiology at the University of Virginia are designed to satisfy academic requirements of the American Speech and Hearing Association for the certificate of clinical competence in Speech Pathology or Audiology.

Students interested in the program should consult the chairman of the Department of Speech and Dramatic Arts, Longwood College; or the chairman of the Department of Speech Pathology and Audiology, University of Virginia.

Pre-Professional Preparation for The Medical Sciences

This curriculum prepares students for admission to accredited schools of dental hygiene, dentistry, medicine, medical technology, nursing, pharmacy, and physical therapy. Since special requirements of professional schools vary considerably, students should communicate with the professional school they plan to attend prior to registration at Longwood College.

Longwood College offers several programs in cooperation with medical schools in Virginia. Pre-nursing programs at Longwood fulfill the requirements for the first two years in the degree programs at the Medical College of Virginia and the University of Virginia. Exceptional students may apply for transfer to the University of Virginia after one year, with the appropriate course background. The three-year pre-medical technology program fulfills the baccalaureate requirements in this field and the fourth year of professional training may be taken at the medical schools. If the fourth year in medical technology is completed at the University of Virginia, Fairfax Hospital, Memorial Hospital of Danville, or Roanoke Memorial Hospital, the student is entitled to a B.S. degree from Longwood College. When the fourth year in medical technology is taken at the Medical College of Virginia, a B.S. degree in Medical Technology is awarded by that institution.

Completion of the requirements of the Longwood pre-professional curriculum does not automatically guarantee admission to the professional program.

Admission to the professional programs is competitive, based on the student's academic performance during the pre-professional period, personal recommendations, and related experience.

Military Science

In cooperation with the University of Richmond, Longwood College offers a program of study in military science which makes available to students successfully completing the program a career in the United States Army. The four-year program of study in ROTC is taken concurrently with the student's regular academic work in general education and major requirements. Credits earned in the program count in the total hours necessary for graduation. Graduates are commissioned Second Lieutenants in the U.S. Army Reserve, with an opportunity for regular Army careers for highly qualified students who apply and are accepted.

Honors Program

The honors program was inaugurated by the College in 1930 to enable capable students to study intensively a subject of their choice, thereby becoming acquainted with methods of research, organization of materials, and the presentation of results in a scholarly manner. Such intensive study stimulates initiative, resourcefulness, and original thought. Students in all departments are eligible to participate in this program. The program is administered by the Honors Committee. Under this plan, the student is directed in creative research by an instructor who has specialized in the field and who acts as sponsor. The student enrolls in Honors Research 498 and 499, thereby gaining 6 credits toward graduation.

Honors Program Procedures

1. A junior or senior who has a minimum quality point average of 2.7, with a 3.0 in his/her major may enroll in Honors Research 498, after receiving permission from his/her sponsor, department chairman and the Honors Committee prior to the Registrar's deadline for adding courses after the semester begins.
2. To receive this permission students must submit a written proposal stating their thesis, the method and scope of research and a preliminary

bibliography. Students are encouraged to submit sufficient copies of their proposal early in the semester prior to their beginning honors work. These copies shall be submitted to the chairman of the Honors Committee. After submitting the proposal, students must meet jointly with their departmental chairman, sponsor, and the Honors Committee to discuss their proposal.

3. If the proposal has been accepted, the student will enroll in Honors Research 498 and an examining committee to be comprised of three members (excluding the sponsor) proposed by the sponsor and approved by the department chairman and the Honors Committee is to be assigned. The members of this committee will be available for consultation.
4. With the consent of his/her adviser the student may register for Honors Research 499.
5. The student shall follow an accepted style sheet. Four copies of the paper shall be submitted to the Honors Committee prior to the examination. Two of these copies will be retained in the library and the other two will be returned to the student.
6. An oral examination will be administered by the examining committee. A member of the Honors Committee will be present and will report the recommendations of the examining committee to the Honors Committee for final approval. The approval of at least two members of the examining committee is necessary for the granting of honors.
7. Students who complete Honors Research 498, 499 with a grade of "A" or "B", who have maintained the grade point average indicated above, and who have passed an oral examination in their research topic, and who have met any other requirements which their major department may require for graduation, will be graduated with honors in their major field.
8. Should the student elect not to take the oral examination or should he/she fail to win the board's recommendation for graduation with honors, credit for 6 semester hours work with the grade assigned by the sponsor will still be given, although without reference to honors.

***ART 110. CRAFTS**

An understanding of the basic principles and techniques of functional and decorative hand crafts in various cultures and their humanistic relationship to society. Exploration of a variety of techniques, materials and tools utilized in the production of craft objects. 4 periods a week; 3 credits. Mr. Baldridge, Miss Thompson.

***ART 120. BASIC DESIGN**

Understanding the basic principles and elements of design through inquiry into the sources and terms of creative expression in two and three dimensions. 4 periods a week; 3 credits. Miss Bishop, Mrs. Lemen, Mr. Springer.

***ART 130. DRAWING I**

Fundamentals of drawing, composition, and illustration in various media and techniques. 4 periods a week; 3 credits. Miss Bishop, Mr. Springer.

***ART 131. LIFE DRAWING**

Development of concepts, skills, and drawing techniques utilizing the human figure. 4 periods a week; 3 credits. Mr. Springer.

***ART 155. BASIC PROCESSES AND PRINCIPLES OF PHOTOGRAPHY**

An introduction to the basic processes, principles and history of black and white still photography. Students must furnish own adjustable cameras. 4 periods a week; 3 credits. The Staff.

***ART 160. INTRODUCTION TO THE VISUAL ARTS**

Analytical introduction to the visual arts with emphasis on structure, terminology and criticism of architecture, sculpture, and painting, both traditional and contemporary. 3 periods a week; 3 credits. Miss Thompson.

ART 200. DESIGN FOR DAILY LIVING

Use of art principles as they relate to environment. Constructing, decorating, and examining articles which enhance the quality of living. 4 periods a week; 3 credits. Mrs. Lemen.

ART 211. ART FOR SPECIAL POPULATIONS

A concentrated study of theory, techniques, and materials suitable for use in

therapeutic recreation settings. 4 periods a week; 3 credits. Recommended for Therapeutic Recreation majors. The Staff.

***ART 213. CERAMICS**

Forming, decorating, glazing and firing pottery. 4 periods a week; 3 credits. The Staff.

***ART 214. CERAMICS II**

Opportunities for deeper involvement with, and exploration of, wheel throwing techniques, hand building processes, as well as glazing and firing of creative ceramic work. Prerequisite: Art 213. 4 periods a week; 3 credits. The Staff.

***ART 215. FABRICS AND FIBERS**

Exploration in the use of fibers, fabrics, and dyes in techniques such as spinning, weaving, knotting in macrame, batiks, tie-dye, stitchery, collage, and printing on fabrics as design media in art. 4 periods a week; 3 credits. Miss Mitchell.

***ART 221. DESIGN FOR COMMUNICATION**

Further exploration of the elements of design with emphasis on package design, graphic reproduction and color separation, principles of layout design, typography and general advertising. 4 periods a week; 3 credits. Miss Bishop.



***ART 223. THREE-DIMENSIONAL DESIGN**

Investigation and construction of three-dimensional forms in such media as paper, wire, wood, metal, plastics, rope and twine. Understanding and designing of forms involving spatial concepts with lectures and discussion emphasizing forms as they relate to architecture, sculpture and industrial design. 4 periods a week; 3 credits. Miss Thompson.

***ART 224. DESIGN IN WOOD**

Construction of functional and non-functional wood objects with emphasis on original design and basic working techniques, including use of power tools. 4 periods a week; 3 credits. Mr. Baldridge.

***ART 250. PRINTMAKING I**

Exploration of traditional and contemporary printmaking techniques, processes and materials, including stencil, planographic, relief, and intaglio methods. 4 periods a week; 3 credits. Miss Bishop, Mrs. Lemen.

***ART 251. PRINTMAKING II**

Exploration of printmaking as a medium of original expression with emphasis on relief and intaglio processes. 4 periods a week; 3 credits. Miss Bishop.

***ART 256 (English 256). FILM STUDIES I: HISTORY**

A survey of the first fifty years of the motion picture with emphasis upon the major directors of America, Germany, Russia and France. 3 periods a week; 3 credits. Mrs. Schrader-Hooker.

***ART 257 (English 257). FILM STUDIES II: GENRE**

A study of the avant-garde, documentary, and fiction film with emphasis upon American and foreign filmmakers. 3 periods a week; 3 credits. Mrs. Schrader-Hooker.

***ART 258. FILM STUDIES III: THEORY AND CRITICISM**
A study of the major film theorists and critics with practical experience in film criticism, selection, and evaluation. Prerequisite: Film Studies I or II. 3 periods a week; 3 credits. Mrs. Schrader-Hooker.

***ART 261. HISTORY OF PREHISTORIC, ANCIENT AND MEDIEVAL ART IN THE WESTERN WORLD**
Three periods a week; 3 credits. Miss Flynn.

***ART 262. HISTORY OF WESTERN ART FROM THE RENAISSANCE TO THE 19th CENTURY**
Three periods a week; 3 credits. Miss Flynn.

***ART 270. PAINTING I**
Fundamentals of painting involved in subject matter, composition, and materials through the use of acrylics. Investigation into backgrounds of contemporary painting. Emphasis on individual growth. Open to beginners. 4 periods a week; 3 credits. Mrs. Lemen.

***ART 271. PAINTING II**
Continuation of Painting I. Uses of several media including acrylics, watercolors, and oils. 4 periods a week; 3 credits. Mrs. Lemen.

***ART 311. ENAMELS**
The design and production of vitreous enamels using copper as the metal base. 4 periods a week; 3 credits. Mr. Baldrige.

***ART 313. JEWELRY AND METAL WORK**
Construction of jewelry and objects of silver and other metals with emphasis on original design and basic techniques. 4 periods a week; 3 credits. Mr. Baldrige.

ART 341-342. ART EDUCATION IN THE ELEMENTARY CLASSROOM
Lectures and reading to introduce students to findings and theories concerned with the development of delineation and form as related to children's art and theories and practices of Art Education. Studio problems using art media essential to the

continuity and expansion of art experiences for elementary children. (Required for elementary majors only.) 4 periods a week; 3 credits. Miss Mitchell, Mr. Springer.

***ART 351. PRINTMAKING: SERIGRAPHY**
The silk screen process of printing as an aesthetic expression. Prerequisite: Art 120, 250, 251 or 270 or 271. 4 periods a week; 3 credits. Mrs. Lemen.

***ART 355. PHOTOGRAPHY AS AN ART FORM**
Study of the fundamental techniques of the camera and its relation to the field of design and communications. Prerequisite: Art 120 and permission of instructor. 4 periods a week; 3 credits. Miss Bishop, Miss Wells.

***ART 357. FILMMAKING I**
Production of short films using super-8 equipment. Prerequisite: permission of instructor. 4 periods a week; 3 credits. Mrs. Schrader-Hooker.

***ART 361. HISTORY OF LATE 18th AND 19th CENTURY PAINTING AND SCULPTURE**
Study of neo-classicism, revolution, romanticism, realism, the salon and impressionism in painting and sculpture. 3 periods a week; 3 credits. Miss Flynn.

***ART 362. HISTORY OF 20th CENTURY PAINTING AND SCULPTURE**
A study of post-impressionism, expressionism, fauvism, cubism, abstract, dada, surrealism, abstract expressionism, op, pop, and current trends in painting and sculpture. 3 periods a week; 3 credits. Miss Flynn.

***ART 363. HISTORY OF GREEK AND ROMAN ART AND ARCHITECTURE**
Three periods a week; 3 credits. Miss Flynn.

***ART 364. HISTORY OF RENAISSANCE AND BAROQUE ART AND ARCHITECTURE**
Three periods a week; 3 credits. Miss Flynn.

***ART 366. PRIMITIVE ART**
A study of African, Oceanic, and Pre-Columbian art with emphasis on the historical and religious background and the artistic contribution of these cultures and civilizations. 3 periods a week; 3 credits. Miss Flynn.

***ART 367. HISTORY OF MODERN ARCHITECTURE**
A survey of 19th and 20th century architecture. 3 periods a week; 3 credits. Miss Flynn.

***ART 368. HISTORY OF AMERICAN ART TO MID-NINETEENTH CENTURY**
A study of early Colonial, Federal, Revival, and Romantic styles of American art. 3 periods a week; 3 credits. Miss Flynn.

***ART 369. HISTORY OF AMERICAN ART FROM MID-NINETEENTH CENTURY**
A study of Genre, Americana, The Expatriots, Impressionists, The Eight, and Twentieth Century styles of American art. 3 periods a week; 3 credits. Miss Flynn.

***ART 381. SCULPTURE I**
Fundamental problems in the understanding of sculptural form through laboratory experiences and related visual study. Use of varied media and tools. Prerequisite: Art 130, 223, or permission of instructor. 4 periods a week; 3 credits. Miss Thompson.

ART 382. SCULPTURE II
Further exploration of materials and form. One problem requiring greater depth of study. Emphasis on adaptation of course content to secondary art teaching. Slides and film supplements. Prerequisite: Art 381. 4 periods a week; 3 credits. Miss Thompson.

***ART 411. ENAMELS II**
Continued exploration of the design and production of vitreous enamels using copper or other metals as a base. (May be continued as Art 416, 417, etc. with permission of instructor.) Prerequisite: Art 311 and permission of instructor. 4 periods a week; 3 credits. Mr. Baldrige.

ART 412. CERAMICS STUDIO

Independent problems in ceramics. Prerequisite: Art 214 and permission of instructor. 4 periods a week; 3 credits. The Staff.

***ART 413. JEWELRY II**

Continued exploration of various metals and techniques with strong emphasis on design (May be continued as Art 419 with permission of instructor.) Prerequisite: Art 313 or permission of instructor. 4 periods a week; 3 credits. Mr. Baldrige.

***ART 414. METALSMITHING II**

Independent exploration of functional and decorative objects using various metals and metal forming techniques with strong emphasis on design. Prerequisite: Art 313 and permission of instructor. 4 periods a week; 3 credits. Mr. Baldrige.

***ART 415. WEAVING AND TEXTILE STUDIO**

Independent concentration in choice of techniques available in weaving and textiles. Prerequisite: Art 215 and permission of instructor. Hours to be arranged. 4 periods a week; 3 credits. Miss Mitchell.

***ART 416. ADVANCED CASTING**

Continued exploration of the casting process with strong emphasis on design and experimentation. Prerequisite: Art 313. 4 periods a week; 3 credits. Mr. Baldrige.

***ART 417. GEM STONE CUTTING AND SETTING**

Continued exploration of cutting, polishing, and setting stones with strong emphasis on design. Prerequisite: Art 313. 4 periods a week; 3 credits. Mr. Baldrige.

***ART 418. METAL ELECTROFORMING**

Exploration of functional and decorative application of electroforming in lieu of, or in combination with, additional metal forming techniques. Strong emphasis will be given to design. Prerequisite: Art 313 or permission of instructor. 4 periods a week; 3 credits. Mr. Baldrige.

ART 430. DRAWING STUDIO

Open to students who have completed Art 130 and 131. The student will

select an area of concentration and problems of specialization in media and technique. Permission of instructor required for enrollment. Hours to be arranged. (May be continued as 431, 432, 433, with permission of instructor.) 3 credits. Mrs. Lemen, Mr. Springer.

ART 441. THE TEACHING OF ART IN THE SECONDARY SCHOOLS

A concentrated study of contemporary practices, theory, and materials necessary for the formulation of a meaningful art program in the secondary schools. 4 periods a week; 3 credits. Mr. Springer.

ART 442. THE TEACHING OF ART IN THE ELEMENTARY SCHOOLS

Theory, methods, and materials necessary for the formulation of a creative art program in the elementary schools. 4 periods a week; 3 credits. Miss Mitchell.

ART 443. PROBLEMS IN ART EDUCATION

The student will select an area of art education for concentrated study through readings, research, experimentation and/or internship in the J. P. Wynne Campus School Art Program. Permission of instructor required for enrollment. Hours to be arranged. 3 credits. Miss Bishop, Miss Mitchell, Mr. Springer, Mrs. Wall.

ART 444. LABORATORY PRACTICUM IN ART EDUCATION—ELEMENTARY

Supervised experience working with elementary age students in a creative setting. 2 periods a week; 1 credit. Mrs. Wall.

ART 445. LABORATORY PRACTICUM IN ART EDUCATION—SECONDARY

Supervised experience working with secondary school age children in a creative setting. 2 periods a week; 1 credit. Mrs. Wall.

ART 450. PRINTMAKING STUDIO

Open to students who have completed Art 120, 130, and 250, and if studying serigraphy or relief and intaglio must have completed courses in these areas. The student will select an area of concentration and problems of specialization in media and technique. Permission of instructor required for enrollment. Hours to be arranged. 3 credits. Miss Bishop, Mrs. Lemen.

ART 455. PHOTOGRAPHY STUDIO

Continued study of concepts and techniques in black and white photography. Prerequisite: Art 355 and permission of instructor. Hours to be arranged. 3 credits. Miss Bishop, Miss Wells.

***ART 457. FILMMAKING II**

A continued study of the principles of cinematic art. Prerequisite: Art 357 or permission of instructor. 4 periods a week; 3 credits. Mrs. Schrader-Hooker.

ART 461. STUDIES IN ART HISTORY

Independent study. Prerequisite: 9 credits of history of western art or equivalent and permission of instructor. Hours to be arranged; 3 credits. Miss Flynn.

ART 471. PAINTING STUDIO

Open to students who have completed Art 271 or equivalent. May be continued as 472, 473, etc. Permission of instructor required for enrollment. Hours to be arranged; 4 periods a week; 3 credits. Mrs. Lemen.

ART 480. SCULPTURE STUDIO

Open to students who have completed Art 381 and 382. The student will select media and technique, and set up individual problems. Permission of instructor required for enrollment. (May be repeated as 481, 482, etc.) Hours to be arranged; 3 credits. Miss Thompson.



COURSE REQUIREMENTS

The department offers majors in Art and Art Education. Art majors earn a Bachelor of Fine Arts degree; Art Education majors earn either a Bachelor of Arts or a Bachelor of Science degree. Art majors may concentrate in either Art History or Studio Art.

ART EDUCATION MAJOR B A or B S DEGREE

General Education Requirements

Dramatic Arts or Music/6 credits
 English 100, 101/6 credits
 Foreign Language at the 200-level/3 credits
 (BA Degree)
 Literature/3 credits
 Humanities*/3 credits (BS Degree)
 Literature, Philosophy*, or Religion/3
 credits (BA Degree)
 History 121 or 122/3 credits
 Social Science/9 credits
 Science/8 credits
 Mathematics or Computer Science/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/51 credits for BA Degree
 /48 credits for BS Degree

*Major Requirements***

Art 120/3 credits
 Art 130, 131/6 credits
 Art 213/3 credits
 Art 250, 251/6 credits
 Art 261, 262/6 credits
 Art 270, 271/6 credits
 Art 311 or 313/3 credits
 Art 361, 362, 363, 364, 366, 367, 368,
 or 369/3 credits
 Art 381, 382/6 credits
 Art 441/3 credits
 TOTAL/45 credits
 (**Art 442 [3 credits] is required if e
 ndorsement in Elementary School Art
 Education is desired.)

The following courses must be taken for teaching certification:

Psychology 250/3 credits
 Education 455/3 credits
 Education 402, 480, 482, 484, 486,
 488/18 credits
 TOTAL/24 credits

NOTE: 128 hours are required for gradu-
 ation, with a cumulative average of 2.0,
 and a 2.0 average in all major courses.

ART MAJOR B F A DEGREE WITH ART HISTORY CONCENTRATION

General Education Requirements

Dramatic Arts or Music/6 credits
 English 100, 101/6 credits
 Foreign Language at the 200-level/3 credits
 Literature/3 credits
 Literature, Philosophy*, or Religion/3 credits
 History 121 or 122/3 credits
 Social Science/9 credits
 Science/8 credits
 Mathematics or Computer Science/6 credits
 Health Education/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/51 credits
 (*Philosophy 381 recommended)

Major Requirements

(A) STUDIO
 Art 120/3 credits
 Art 223/3 credits
 Art 130/3 credits
 Art 270/3 credits
 TOTAL/12 credits
 (B) ART HISTORY
 Art 261, 262/6 credits
 Art 361, 362, 363, 364, 366, 367, 368,
 or 369/15 credits
 Art 461/3 credits
 TOTAL/24 credits
 (C) ELECTIVES in ART STUDIO or
 ART HISTORY/9 credits
 TOTAL ART REQUIREMENTS and
 ELECTIVES/45 credits

Electives/30 credits

NOTE: 126 hours are required for gradu-
 ation, with a cumulative average of 2.0,
 and a 2.0 average in all major courses.

ART MAJOR
B A DEGREE WITH STUDIO CONCENTRATION

General Education Requirements

Dramatic Arts or Music/3 credits
Art/3 credits
English 100, 101/6 credits
Foreign Language at the 200-level/3 credits
Literature/3 credits
Literature, Philosophy*, or Religion/3 credits
History 121 or 122/3 credits
Social Science/9 credits
Science/8 credits
Mathematics or Computer Science/6 credits
Health Education 100/1 credit
Physical Education Activity Courses/3 credits
TOTAL/51 credits
(*Philosophy 381 recommended)

Major Requirements

(A) FOUNDATIONS
Art 261, 262/6 credits
Art 361, 362, 363, 364, 366, 367,
368, or 369/3 credits
Art 120/3 credits
Art 130, 131/6 credits
Art 223/3 credits
TOTAL/21 credits
(B) FIELD OF CONCENTRATION**/
18 credits
(C) ELECTIVES in ART STUDIO or
ART HISTORY/18 credits
TOTAL REQUIREMENTS and ELECTIVES
in ART/60 credits (including 3 credits in
general education)

Electives (general)/18 credits

****FIELD OF CONCENTRATION**

Printmaking & Graphic Design

Art 221/3 credits
Art 250, 251/6 credits
Art 351/3 credits
Art 355/3 credits
Art 450 or 430/3 credits
TOTAL/18 credits

Painting

Art 250/3 credits
Art 270, 271/6 credits
Art 471, 472/6 credits
Art 430/3 credits
TOTAL/18 credits

Drawing

Art 221/3 credits
Art 250, 251/6 credits
Independent Studios in Drawing/9 credits
TOTAL/18 credits

Crafts

Art 110/3 credits
Art 213/3 credits
Art 215/3 credits
Art 311/3 credits
Art 313/3 credits
Art 351/3 credits
TOTAL/18 credits

Sculpture

Art 381, 382/6 credits
Art 250, 251/6 credits OR
Art 213 & 313/6 credits
Independent Studios in Sculpture/6 credits
TOTAL/18 credits

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

MINORS

MINOR IN ART HISTORY

(A) Art 160/3 credits OR
Art 461/3 credits
(B) Art 261 and 262/6 credits
(C) Art History courses at 300-level/9 credits
TOTAL/18 credits

MINOR IN GENERAL ART

(A) Art 120/3 credits
(B) Art 130/3 credits
(C) Art 223/3 credits OR
Art 224/3 credits
(D) Art 250, 251, 270 OR 271/3 credits
(E) Art 155, 256, 355, OR 357/3 credits
(F) Art 110, 213, 215, 311 OR 313/3 credits
(G) Art 160, 261, 262, OR any 300-level Art
History course/3 credits
TOTAL/21 credits

FACULTY

Mark S. Baldridge, *Assistant Professor*
B.S., State University College at Buffalo;
M.F.A., Cranbrook Academy of Art
Barbara L. Bishop, *Professor and Chairman*
B.S., Longwood College; M.F.A., University of North Carolina/Greensboro
Elisabeth L. Flynn, *Associate Professor*
B.A., Manhattanville College; M.A., Loyola University; Ph.D., Northwestern University

Janice S. Lemen, *Professor*
B.S., Southeast Missouri State College;
M.A., George Peabody College for Teachers
Mary Virginia Mitchell, *Assistant Professor*
B.S., Bob Jones University; M.A.Ed., University of Georgia
Charlotte Schrader-Hooker, *Professor of Film Studies*
B.A., M.A., Texas Woman's University;
Ph.D., Tulane University; M.A., New York University

Homer L. Springer, Jr., *Assistant Professor*
B.F.A., Richmond Professional Institute;
M.Ed., Towson State College
Conway B. Thompson, *Assistant Professor*
B.A., Mary Washington College; C.F.A., Cooper Union; M.F.A., University of Guanajuato, Mexico

DEPARTMENT OF BUSINESS AND ECONOMICS

John E. Carr III, *Chairman*

The Department of Business and Economics offers courses leading to the Bachelor of Science in Business Administration, the Bachelor of Science in Business Education, and the Bachelor of Science with a major in Office Administration. These programs and degrees qualify students for careers in business and to teach business subjects in secondary schools.

For those entering the teaching profession, the department offers courses that lead to specific teaching endorsements in Stenography and General Office Procedures.

ACCOUNTING

Business 241, 242. ELEMENTARY ACCOUNTING

Theory of debits and credits; journalizing and posting. Use of special journals and ledgers. The trial balance, work sheet, business statements and adjusting and closing entries. Accounting for notes and interest; prepaid, unearned and accrued items; asset valuation; payroll and property taxes. Partnership and corporation accounts. Practice sets. 4 periods a week; 4 credits each semester. Mr. Carr, Mr. Dickens, Mr. Leeper.

Business 325. COST ACCOUNTING

An inquiry into basic cost accounting systems. Consideration of standard costs, budgeting, and managerial cost analysis as reflected in methods of accounting for materials, labor and overhead. Emphasis upon application of fundamental concepts. Prerequisite: Business 241, 242. 3 periods a week; 3 credits. Mr. Dickens.

Business 326. GOVERNMENT ACCOUNTING

The theory and practice of accounting as applied to federal, state, and local governments. Examination of classification, use, and control of funds, budgetary controls and financial statement and reports. Prerequisite: Business 241, 242. 3 periods a week; 3 credits. Mr. Dickens.

Business 342, 343. INTERMEDIATE ACCOUNTING

Survey of basic accounting principles; working capital, noncurrent items, and corporate capital. Concept of profit

and loss measurement and analytical processes of statement preparation.

Prerequisite: Business 241, 242. 3 periods a week; 3 credits per semester. Mr. Leeper.

Business 344. INCOME TAX AND PAYROLL ACCOUNTING

Practical problems leading to filing of acceptable income tax returns to the Internal Revenue Service and the State of Virginia. Practical problems in social security benefits and payroll deductions; required accounting records. Prerequisite: Business 241, 242. 3 periods a week; 3 credits. Mr. Leeper.

Business 474. AUDITING

Auditing standards and procedures, internal control, the development of audit programs and reports to clients are studied. Examination of professional ethics and legal liabilities in the auditor's work. Prerequisite: Business 342, 343. 3 periods a week; 3 credits. The Staff.

Business 475. ADVANCED ACCOUNTING

Accounting interpretation of selected problems in the organization, affiliation and consolidation, and liquidation of business firms. Attention is given to the preparation of the consolidated balance sheet, income statement, and surplus statement. Prerequisite: Business 342, 343. 3 periods a week; 3 credits. Mr. Dickens.

BASIC BUSINESS

Business 151. INTRODUCTION TO BUSINESS

Provides a broad but firm foundation in business upon which advanced business courses can build. Develops an understanding of the business world, the philosophy, objectives, and responsibilities of business in relation to its environment; and gives direction for making a vocational choice. 3 periods a week; 3 credits. Mr. Gilchrist

Business 218. PRINCIPLES OF REAL ESTATE

Principles and practices of real estate as reflected in the purchasing, owning, and operating real property. Emphasis upon property description, transfer of property, joint ownership, tax sales, title to property, and inheritance of real property. Material covers the basic outline of the Virginia real estate license examination. 2 periods a week (evenings); 3 credits. The Staff.

Business 220. BUSINESS COMMUNICATIONS

Introduction to business communications: writing of business letters, business reports, business communications. 3 periods a week; 3 credits. Mrs. Hamlett.

Business 345. PRINCIPLES OF INSURANCE

Life insurance, property insurance, health and accident insurance, social insurance and liability insurance. Emphasis on the economic importance of insurance in community and individual living. 3 periods a week; 3 credits. Mr. Leeper.

Business 349. OFFICE OR SELLING EXPERIENCE

The completion of a minimum of 300 clock hours of approved successful experience in either office or selling positions. Work must be completed before graduation. All business majors are urged to secure positions during the summer or other convenient times. Prerequisite: approval of the department chairman. 3 credits. Mr. Carr.

Business 351, 352. PRINCIPLES OF BUSINESS LAW

Designed to acquaint the student with the legal environment in which business decisions are made. Emphasis in the first semester is on the basic law of contracts, agency, bailments, commercial paper, and bankruptcy. Second semester emphasis is on sales law, partnerships and corporations, trusts and wills, employment law, and antitrust law. 3 periods a week; 3 credits each semester. Mr. McCort.

DATA PROCESSING

Business 356. INTRODUCTION TO DATA PROCESSING

Fundamental systems; machine orientation and essential operations, methods of coding and condensing data; data processing applications and procedures. 3 periods a week; 3 credits. Mr. Gilchrist.

Business 360. DATA PROCESSING FOR BUSINESS

A study of business applications of the computer and allied equipment as reflected in production scheduling, payroll, financial accounting, inventory control, and customer billing. Prerequisite: Business 356. 3 periods a week; 3 credits. The Staff.

Business 361 (Computer Science 201). BUSINESS LANGUAGE I

An introduction to programming in a business oriented language (COBOL) with emphasis on commercial applications and elementary concepts of file processing. 3 periods a week; 3 credits. Mr. Hightower.

Business 362 (Computer Science 202). BUSINESS LANGUAGE II

Advanced COBOL programming for

business applications; table handling; sorting, and report generating facilities of COBOL; processing of files on sequential and direct access storage devices. Prerequisite: Computer Science 201 or consent of instructor. 3 periods a week; 3 credits. Mr. Hightower.

ECONOMICS

***Economics 202. BASIC ECONOMICS**

A concentrated study of economics principles with emphasis on methods of economic analysis and current economic problems. 3 periods a week; 3 credits. Mr. Pumphrey.

***Economics 231, 232. PRINCIPLES OF ECONOMICS**

A two semester sequential course to acquaint the student with the fundamentals of economics, economic analysis, and economic institutions. 3 periods a week; 3 credits each semester. Mr. Cristo, Mr. Pumphrey.

Economics 306, 307 (History 306). ECONOMIC HISTORY OF THE UNITED STATES

A study of the economy of the United States from the Jamestown Colony to the present. The first semester covers the period from the Jamestown Colony through the Civil War Era. The second semester covers the period from Reconstruction to the present. Prerequisite: Economics 202 or 231, 232. 3 periods a week; 3 credits each semester. Mr. Cristo, Mr. Pumphrey.

Economics 342. COMPARATIVE ECONOMIC SYSTEMS

A critical study of capitalism, fascism, and socialism. Prerequisite: Economics 202 or 231, 232. 3 periods a week; 3 credits. Mr. Cristo.

Economics 350. ECONOMICS OF WELFARE

An economic analysis of income maintenance or welfare programs in the United States; their financing, administration, consequences and alternates. Prerequisite: Economics 231, 232 or consent of instructor. 3 periods a week; 3 credits. Mr. Pumphrey.

Economics 355. MONEY AND BANKING

Nature and function of money; legal tender and credit; relation of money and credit to prices; bank deposits; and general economic activity; the American banking system from colonial times to present. Prerequisite: Economics 202 or 231, 232. 3 periods a week; 3 credits. Mr. Cristo.

Economics 356. PUBLIC FINANCE

A study of the fiscal policy and selected budgetary expenditure programs of the government as related to the business sector. Prerequisite: Economics 231, 232 and Business 241, 242. 3 periods a week; 3 credits. Mr. Pumphrey.

Economics 460, 461, 462. ECONOMIC SEMINAR

Offered on demand. 1 period a week; 3 credits per course. Mr. Cristo.

Economics 465. INTERNATIONAL TRADE

A study of the fundamental principles of international trade balance of payments problems, and the problems of foreign exchange. 3 periods a week; 3 credits. Mr. Pumphrey.

FINANCE

Business 340. BUSINESS FINANCE

An introduction to the principles and practices of financial management within a business firm. Examines acquisition of funds, cash flow analysis, capital budgeting, working capital requirements, mergers and acquisitions, and reorganization and liquidation. Prerequisite: Business 241, 242. 3 periods a week; 3 credits. Mr. Dickens.

Business 341. PRINCIPLES OF INVESTMENT

An introduction to the analysis of personal and business investments including stocks, bonds, investment trusts, insurance, and real estate. Attention is given to the mechanics of purchase and sale and the operation of the securities markets. Prerequisite: Business 340. 3 periods a week; 3 credits. The Staff.

Business 355. PERSONAL FINANCE
Designed to acquaint the student with the basic fundamentals in selected areas of personal finance; role of the individual as a consumer and as an investor. Suitable as an elective for all students. 3 periods a week; 3 credits. Mr. Carr.

Business 383. FINANCIAL INSTITUTIONS AND MONEY MARKETS
A detailed study of the functions and operations of commercial banks, savings and loan associations, consumer finance companies, and credit unions together with an analysis of the instruments and procedures of consumer business, and government borrowing. Prerequisite: Economics 355, Business 241, 242 and Business 340. 3 periods a week; 3 credits. The Staff.

MANAGEMENT

Business 254. PRINCIPLES OF MANAGEMENT
A study of management fundamentals with emphasis on theories of management, the evolution of management thought, and the functions of management in organizational activity. Attention is given to the development of a philosophy of management. 3 periods a week; 3 credits. Mr. Gilchrist.

Business 256. SMALL BUSINESS MANAGEMENT
A study of the problems and policies of small businesses, including product lines, pricing, promotion, sources of capital, credit, regulations, taxes, and record-keeping. Attention is given to franchises. Case studies to illustrate decision-making in small business management are used. Prerequisite: Business 241 and 254. 3 periods a week; 3 credits. Mr. Christian.

Business 257. PERSONNEL ADMINISTRATION
Principles and problems of personnel administration with particular emphasis upon job analysis, recruitment, selection, training, transfer, promotion, and dismissal of employees. Attention is given to employer-employee relationships, industrial unrest, fringe benefits and recent trends in employment practices. Prerequisite: Business 254. 3 periods a week; 3 credits. Mr. Christian.

Business 259. SALES MANAGEMENT
An examination of the principles and techniques involved in buying and selling, as revealed in case studies. Attention is given to planning, organizing, directing, and controlling the firm's selling activities. Prerequisite: Business 254. 3 periods a week; 3 credits. Mrs. Noblitt.

Business 379. LABOR RELATIONS AND COLLECTIVE BARGAINING
The historical, legal, and institutional aspects of the American labor force and its organization, wage and employment theory, and the economic, social and public dimensions of collective bargaining. Prerequisite: Business 257. 3 periods a week; 3 credits. Mr. Christian.

Business 381. PURCHASING
An analysis of principles and practices of industrial and government procurement. Examines the measurements and evaluation of purchasing performance, and problems of materials and management. Prerequisite: Business 256. 3 periods a week; 3 credits. The Staff.

MARKETING

Business 228. PRINCIPLES OF MARKETING
An introduction to the functions of marketing in our economy with particular attention to the influence of social, economic, ethical, legal, and technological forces on marketing activities. Examination of problems

and policies involved in the marketing of goods and services. 3 periods a week; 3 credits. Mr. McCort.

Business 251. RETAILING PRINCIPLES AND PRACTICES
Retail store organization and management; personnel, buying, selling, sales campaigns, and inventories. 3 periods a week; 3 credits. Mr. Leeper.

Business 329. MARKETING RESEARCH
An introduction to the tools and techniques of market research as reflected in such specific areas as advertising, product, sales, promotion, and consumer research. Student projects will provide experience in planning and programing a market research topic. Prerequisite: Business 228. 3 periods a week; 3 credits. The Staff.

Business 454. ADVERTISING
Principles underlying advertising; economic and social aspects of advertising, policies and objectives, selection and use of various media, advertising organizations, campaigns, displays and copy. 3 periods a week; 3 credits. Mr. McCort.

BUSINESS ADMINISTRATION PRACTICUM

Business 400. SENIOR PRACTICUM
An optional program where a student may be selected to work for a participating corporation for one semester. 16 credits. Mr. Christian.

*STENOGRAPHY AND
GENERAL OFFICE PROCEDURES*

*Business 121. ELEMENTARY TYPE-
WRITING*

Designed for students with no previous instruction. Emphasis on correct techniques for developing speed and accuracy. Introduction to basic correspondence, manuscripts, and simple statistical copy. 3 periods a week; 3 credits. Mr. Fields.

*Business 131. ELEMENTARY SHORT-
HAND*

Mastery of Gregg Shorthand principles; reading and writing practice necessary for skill development in taking dictation. 5 periods a week; 3 credits. Mr. Fields.

*Business 221. INTERMEDIATE TYPE-
WRITING*

Development of proficiency in producing a wide variety of typewriting problems with acceptable speed and accuracy. Prerequisite: "C" or better in Business 121 or equivalent. 3 periods a week; 3 credits. Mrs. Noblitt.

*Business 222. ADVANCED TYPE-
WRITING*

Development of maximum proficiency on production problems and office-style copy. Most advanced course. Prerequisite: "C" or better in Business 221 or equivalent. 3 periods a week; 3 credits. Mr. Fields.

*Business 231. INTERMEDIATE
SHORTHAND*

A complete review of shorthand theory and the development of dictation speed on unfamiliar copy. Prerequisite: "C" or better in Business 131 or equivalent. 5 periods a week; 3 credits. The Staff.

*Business 232. ADVANCED SHORT-
HAND AND TRANSCRIPTION*

Students motivated to attain maximum levels of achievement in speed and accuracy of taking dictation. Mailable transcripts, production, dictation speed, and transcription speeds are stressed. Most advanced course. Prerequisite: "C" or better in Business 231 or equivalent. Students should have completed or be enrolled in Business 222. 5 periods a week; 3 credits. Mrs. Hamlett.

Business 233. MACHINE SHORTHAND

Applies shorthand theory to a compact keyboard so that writing speed and efficiency are obtained. Through touch control of 23 keys, machine shorthand students write phonetically all sounds that make up the English language.

Machine shorthand permits the attainment of writing skills up to a speed equal to a maximum speed of human speech. Prerequisites: Business 121, 221, 222. 3 periods a week; 3 credits. Mrs. Noblitt.

Business 252. BUSINESS MACHINES

Provides operative training on common types of ten-key, full-keyboard, key-driven, rotary, and modern electronic computing machines with emphasis on speed and accuracy to establish vocational competency. Includes a unit on filing principles and applications. 3 periods a week; 3 credits. Mr. Fields.

*Business 453. SECRETARIAL PRO-
CEDURES*

Designed to coordinate the various secretarial skills into a high-level secretarial proficiency, special emphasis on the coordination of these skills with the human relations aspect of office procedures. Prerequisite: Business 252. 3 periods a week; 3 credits. Mrs. Hamlett.

Business 460. THE MODEL OFFICE

A capstone course in business and office education which simulates the on-going daily operation of a fictionalized company wherein all the activities and procedures which occur in a normal business office become a reality. It simulates the standards required on the job and bridges the gap between theory and practice. Prerequisite: Business 222. 4 periods a week; 3 credits. Mrs. Noblitt.

BUSINESS TEACHER EDUCATION

Business 449. METHODS OF TEACHING ACCOUNTING

Stresses the development of techniques and methods of instruction unique to this area. Special emphasis is given to demonstration lessons, lesson planning, analyzing instructional procedures, and understanding the complete accounting cycle. Includes a brief historical background of accounting instruction in public schools. Projects, self-evaluation, and case studies are used. 2 periods a week; 2 credits. Mrs. Noblitt.

Business 450. METHODS OF TEACHING SHORTHAND AND TRANSCRIPTION

A study of current practices with emphasis on current techniques and methods unique to this area. Develops competencies in teaching shorthand theory and transcription. Special emphasis is given to demonstration lessons and analyzing instructional procedures. Surveys the different shorthand systems taught. 2 periods a week; 2 credits. Mrs. Noblitt.



Business 451. METHODS OF TEACHING TYPEWRITING AND CLERICAL PRACTICE

Stresses the principles of psychology and philosophy that underlie instruction in business skills; develops competencies in teaching typewriting and clerical practice including the block program and model office type situations. Surveys resource materials. Required of all business education majors. 2 periods a week; 2 credits. Mrs. Noblitt.

Business 452. METHODS OF TEACHING BASIC BUSINESS

Provides a brief orientation to the entire field of business education and the emerging organizational environment. Methods of teaching basic business stress the development and use of instructional media and resource materials. Required of all business education majors. 2 periods a week; 2 credits. Mrs. Noblitt.

Business 560. WORKSHOP IN MODEL OFFICE

A survey of office simulations available for use at the secondary school level. (Business Education majors who have attained senior standing may enroll in the class. Credit cannot be granted for both Business 560 and Business 460.) Summer only. 3 credits. Mrs. Noblitt.

Business 561. PRINCIPLES AND PROBLEMS IN BUSINESS EDUCATION

A study is made of the role of business education in the secondary school curriculum through an analysis of current trends and philosophies in business education and their application to current classroom practices. (Students who have attained senior standing may enroll in the class.) Summer only. 3 credits. Mrs. Noblitt.

Business 562. COMPETENCY-BASED VOCATIONAL EDUCATION

Characteristics and principles of Competency-Based Vocational Education as applicable in business education are studied. Major focus is on improving current techniques and strategies of teaching, improving training plans, and developing individualized learning modules. Summer only. 40 hours of classwork; 3 credits. Mrs. Noblitt.



Business 563. ADVANCED COMPETENCY-BASED VOCATIONAL EDUCATION

Workshop will include preparation of objectives in addition to those in the V-TECS catalogs. These objectives will include such areas as basic computational and communicational skills, work attitudes, job-seeking skills, and human relations. Prepared published materials that support criterion-referenced measures (CRM) will be identified and evaluated. Materials for CRM will be prepared if appropriate published materials are not available. Summer only. 40 hours of classwork; 3 credits. Mrs. Noblitt.

COURSE REQUIREMENTS

Students in this department may major in Office Administration, earning a Bachelor of Science degree; in Business Education, earning a Bachelor of Science in Business Education degree; or in Business Administration, earning a Bachelor of Science in Business Administration degree. Students majoring in Business Education may earn endorsements in General Office Procedures or Stenography. Students majoring in Business Administration may concentrate in Accounting, Finance, Marketing, or Management.

B S DEGREE IN BUSINESS EDUCATION General Office Procedures Endorsement

General Education Requirements

Art, Music, or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 History 121 or 122/3 credits
 Economics 231, 232/6 credits
 Social Science Elective (not Economics)/3 credits
 Science/8 credits
 Mathematics 111, 112; 111, 113; or 161, 162/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Major Requirements

Business 121, 221, 222*/9 credits
 Business 151/3 credits
 Business 220/3 credits
 Business 228, 251, 253, 254, 329, 345, 355, 454, Economics 355/6 credits (2 areas)
 Business 241, 242, 342, 344/14 credits
 Business 252/3 credits
 Business 351, 352/6 credits
 Business 356/3 credits
 Business 460 or 257/3 credits
 TOTAL/50 credits
 (*Six hours of typewriting requirement may be omitted on the basis of proficiency.)

Students must successfully complete Business 121, 151, 220, 221, 222, 241, 242, 252, 342, 344, 351, 352, 356; 6 hours (2 areas) from Business 228, 251, 253, 254, 329, 345, 355, 454, Economics 355; Business 460 or 257; Economics 231, 232; and four hours from Business 449, 451, 452 before enrollment for student teaching.

The following courses must be taken for teaching certification:

Psychology 250/3 credits
 Education 455/3 credits
 Business 449, 451, 452/6 credits
 Education 402, 480, 482, 484, 486, 488/18 credits
 TOTAL/30 credits

(Endorsement to teach accounting, basic business, office procedures, and typewriting.)

B S DEGREE IN BUSINESS EDUCATION Stenography Endorsement

General Education Requirements

Art, Music, or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 History 121 or 122/3 credits
 Economics 231, 232/6 credits
 Social Science (not Economics)/3 credits
 Science/8 credits
 Mathematics 111, 112; 111, 113; 161, 162/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Major Requirements

Business 121, 221, 222*/9 credits
 Business 131, 231, 232*/9 credits
 Business 151/3 credits
 Business 220/3 credits
 Business 228, 251, 253, 254, 329, 345, 355, 454, Economics 355/6 credits (2 areas)
 Business 241, 242/8 credits
 Business 252/3 credits
 Business 351, 352/3 credits
 Business 356/3 credits
 Business 453/3 credits
 TOTAL/50 credits
 (*Six hours of the typewriting and shorthand requirements may be omitted on the basis of proficiency.)

Students must successfully complete Business 121, 131, 151, 220, 221, 222, 231, 232, 241, 242, 252, 351, 352, 356, 453; 6 hours (2 areas) from Business 228, 251, 253, 254, 329, 345, 355, 454, Economics 355; Economics 231, 232; and at least four hours from Business 450, 451, 452 before enrolling for student teaching.

The following courses must be taken for teaching certification:

Psychology 250/3 credits
 Education 455/3 credits
 Business 450, 451, 452/6 credits
 Education 402, 480, 482, 484, 486, 488/18 credits
 TOTAL/30 credits

(Endorsement to teach basic business, office procedures, recordkeeping, shorthand, and typewriting.)

*B.S. DEGREE IN BUSINESS ADMINISTRATION
Accounting Concentration*

General Education Requirements

Art, Music or Dramatic Arts/6 credits
English 100, 101/6 credits
Literature/3 credits
Humanities Elective/3 credits
Social Science Elective/3 credits
History 121 or 122/3 credits
Economics 231, 232/6 credits
Science/8 credits
Mathematics 111, 113/6 credits
Health Education 100/1 credit
Physical Education Activity Courses/3 credits
TOTAL/48 credits

Department Requirements:

Business 151/3 credits
Business 220/3 credits
Business 241, 242/8 credits
Business 254/3 credits
Business 351, 352/6 credits
Business 356/3 credits
TOTAL/26 credits

*Major Requirements – 18 semester hours
from the following:*

Business 325/3 credits
Business 326/3 credits
Business 342, 343/6 credits
Business 344/3 credits
Business 474/3 credits
Business 475/3 credits

Business 400/16 credits*

*General electives/20 credits (if participation in Business 400)

*General electives/34 credits (if student does not participate in Business 400)

*B.S. DEGREE IN BUSINESS ADMINISTRATION
Finance Concentration*

General Education Requirements

Art, Music, or Dramatic Arts/6 credits
English 100, 101/6 credits
Literature/3 credits
Humanities Elective/3 credits
History 121 or 122/3 credits
Economics 231, 232/6 credits
Social Science Elective/3 credits
Science/8 credits
Mathematics 111, 113/6 credits
Health Education 100/1 credit
Physical Education Activity Courses/3 credits
TOTAL/48 credits

Department Requirements

Business 151/3 credits
Business 220/3 credits
Business 241, 242/8 credits
Business 254/3 credits
Business 351, 352/6 credits
Business 356/3 credits
TOTAL/26 credits

Major Requirements

Business 340/3 credits
Business 341/3 credits
Business 355/3 credits
Business 383/3 credits
Economics 355/3 credits
Economics 356/3 credits
TOTAL/18 credits

Business 400/16 credits*

*General electives/20 credits (if participation in Business 400)

*General electives/34 credits (if student does not participate in Business 400)

*B.S. DEGREE IN BUSINESS ADMINISTRATION
Management Concentration*

General Education Requirements

Art, Music, or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 History 121 or 122/3 credits
 Mathematics 111, 113/6 credits
 Economics 231, 232/6 credits
 Social Science Elective/3 credits
 Science/8 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Department Requirements

Business 151/3 credits
 Business 220/3 credits
 Business 241, 242/8 credits
 Business 254/3 credits
 Business 351, 352/6 credits
 Business 356/3 credits
 TOTAL/26 credits

Major Requirements

Business 256/3 credits
 Business 257/3 credits
 Business 259/3 credits
 Business 379/3 credits
 Business 381/3 credits
 Psychology 359/3 credits
 TOTAL/18 credits

Business 400/16 credits*

*General electives/20 credits (if participation in Business 400)

*General electives/34 credits (if student does not participate in Business 400)

*B.S. DEGREE IN BUSINESS ADMINISTRATION
Marketing Concentration*

General Education Requirements

Art, Music, or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 Economics 231, 232/6 credits
 History 121 or 122/3 credits
 Social Science Elective/3 credits
 Science/8 credits
 Mathematics 111, 113/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Department Requirements

Business 151/3 credits
 Business 220/3 credits
 Business 241, 242/8 credits
 Business 254/3 credits
 Business 351, 352/6 credits
 Business 356/3 credits
 TOTAL/26 credits

Major Requirements – 18 semester hours from the following:

Business 228/3 credits
 Business 251/3 credits
 Business 256/3 credits
 Business 259/3 credits
 Business 329/3 credits
 Business 454/3 credits
 Mathematics 271/3 credits

Business 400/16 credits*

*General electives/20 credits (if participation in Business 400)

*General electives/34 credits (if student does not participate in Business 400)

*OFFICE ADMINISTRATION MAJOR
B. S. DEGREE*

General Education Requirements

Art, Music, or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Humanities Elective/3 credits
 History 121 or 122/3 credits
 Literature/3 credits
 Economics 231, 232/6 credits
 Social Science (not Economics)/3 credits
 Science/8 credits
 Mathematics 111 or 161; 113/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Major Requirements

Business 121, 221, 222*/9 credits
 Business 131, 231, 232*/9 credits
 Business 151/3 credits
 Business 220/3 credits
 Business 228, 251 or 454/3 credits
 Business 241, 242, 344/11 credits
 Business 252/3 credits
 Business 253, 355 or Economics 355/3 credits
 Business 257/3 credits
 Business 345/3 credits
 Business 351, 352/6 credits
 Business 356/3 credits
 Business 453/3 credits
 Business 460/3 credits
 Psychology 133/3 credits
 TOTAL/68 credits

(*All shorthand and typewriting courses may be omitted on the basis of proficiency.)

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

MINOR IN BUSINESS ADMINISTRATION

Students desiring a minor in Business Administration must successfully complete 23 semester hours of Business Administration courses as outlined below. The student must make an appointment with the Chairman, Department of Business and Economics, for advising before pursuing this minor.

Required Courses

Business 151/3 credits
Business 241, 242/8 credits
Economics 231, 232/6 credits
Business Electives*/6 credits
TOTAL/23 credits

**Must select two (2) of the following courses:*

Business 220/3 credits
Business 228/3 credits
Business 254/3 credits
Business 340/3 credits
Business 356/3 credits

FACULTY

John E. Carr III, *Professor and Chairman*
B.S., The Citadel; M.B.A., Syracuse University

John B. Christian, *Instructor*
B.A., University of Virginia; M.B.A., College of William and Mary

Anthony B. Cristo, *Associate Professor*
B.A., University of Maine; M.B.A., University of Pennsylvania; Ph.D., Duke University

Thomas L. Dickens, *Instructor*
B.A., University of Richmond; M.B.A., Virginia Commonwealth University

Owen F. Fields, *Assistant Professor*
B.S., Waynesburg College; M.Ed., University of Pittsburg; Ed.D., University of Pittsburg

Raymond Gilchrist, *Associate Professor*
B.S., University of Maryland; M.B.A., Syracuse University

Frances N. Hamlett, *Assistant Professor*
B.S., Longwood College; M.S., Virginia Polytechnic Institute

Willard G. Leeper, *Associate Professor*
B.S., Longwood College; M.Ed., University of Florida

Donald G. McCort, *Assistant Professor*
B.B.A., Washburn University; B.S.I.E., Texas Technological College; M.B.A., University of Missouri

Mary J. Noblitt, *Assistant Professor*
B.S., Radford College; M.S., University of Tennessee

Brian A. Pumphrey, *Instructor*
B.A., University of Wisconsin



JOHN P. WYNNE CAMPUS SCHOOL

Crayton L. Buck, *Director*

The John P. Wynne Campus School which opened in the fall of 1970 is designed to provide pre-service educational experiences for Longwood students in a controlled public school setting. The Campus School further serves as a resource center for public schools in Virginia. As a result, several thousand Virginia teachers, supervisors, and administrators visit the School each year. As a laboratory for pre-service education and as a resource center, the school is organized to accommodate the following activities: (1) participation, (2) observation, (3) demonstration, (4) research, and (5) in-service education for teachers and for supervisory and administrative personnel.

The John P. Wynne Campus School represents the most modern educational planning, interior decor, and architectural designing in the United States for kindergarten through seventh grade. Of circular design, the school contains a central core formed by the office complex, the media center, and the multi-purpose room. Encircling this core is the instructional area, including a fully-equipped art center.

Since interior arrangements and furniture design allow for flexibility, the teaching areas may be arranged and rearranged into individual study areas and into both small and large group activity centers. All instructional areas are carpeted and have direct access to the covered walkway surrounding the building.

Three basic playground areas have been equipped to accommodate the various maturation levels of the students. Another interesting feature of the school is closed-circuit television, operated by remote control from the television control center within the school. Longwood College students may observe actual classroom situations in college classrooms on the main campus or in the college students' classroom at the campus school. These televised classroom situations are taped for later use by the college and campus school faculties.

FACULTY

Carolyn R. Banton, *Instructor*
B.S., Indiana University; M.Ed., University of Virginia
Crayton L. Buck, *Professor and Director of the Campus School*
B.S., Lockhaven State College; M.Ed., Ed.D., Pennsylvania State University
Toy D. Dowdy, *Assistant Professor*
B.S., M.S., Longwood College

Mary Meade Edwards, *Instructor and Director of Reading*
B.S., Longwood College
Gail L. Gilligan, *Assistant Professor*
A.B., Greensboro College; M.S., Longwood College
Phyllis M. Groneweg, *Assistant Professor*
B.S., M.A., Longwood College
Derwood F. Guthrie, *Assistant Professor*
B.S., Longwood College; M.A., University of Delaware
Rita P. Howe, *Assistant Professor*
B.S., M.S., University of Maine; M.A., Ed.D., Western Michigan University
Cecil M. Kidd, *Assistant Professor and Librarian*
B.S., M.S., Longwood College

Cathy O. McCanless, *Instructor and Director of Music*
B.M.E., Longwood College
Gretchen Unterzuber, *Instructor*
B.S., Radford College; M.Ed., Virginia Commonwealth University
Mary Wallace Wacker, *Assistant Professor*
B.A., Birmingham Southern College; M.S., Longwood College
Jacqueline J. Wall, *Instructor and Director of Art*
B.A., Westhampton College

DEPARTMENT OF EDUCATION AND PSYCHOLOGY

Charles H. Patterson, *Chairman*

The Department of Education and Psychology offers undergraduate majors in two fields, elementary education and psychology. A minor is also available in psychology. Graduate programs are available in elementary education, supervision, counselor education and reading. Students interested in the graduate program should consult the Graduate Bulletin of Longwood College.

The undergraduate major in elementary education is divided into two patterns:

(A) N, K-3

Pattern A leads to specialization and certification endorsement for the Nursery School, Kindergarten, and Grades 1, 2, and 3. A student selecting this pattern as a major will also select an area of emphasis in one of three areas of concentration: (1) an interdisciplinary concentration; (2) an additional certification endorsement in library science; or (3) an additional certification endorsement as a reading teacher.

(B) UPPER ELEMENTARY 4-7

Pattern B leads to specialization and certification endorsement for Grades 4, 5, 6, and 7. In addition, a student selecting this pattern as a major will select an area of emphasis in one of eight areas of concentration. These are: (1) an interdisciplinary concentration; (2) an additional certification endorsement as a reading teacher; (3) an additional certification endorsement in library science; (4) an English education endorsement and/or concentration; (5) a foreign language endorsement and/or concentration; (6) an earth science-general science endorsement and/or concentration; (7) a pre-algebra mathematics endorsement and/or concentration; and (8) a history or social studies endorsement and/or concentration. Students seeking certification endorsement programs in areas 3-8 will have to complete an additional five-week practicum in student teaching.

Students will normally be expected to select a pattern and an area of emphasis at the beginning of the sophomore year.

Education 225. LANGUAGE ARTS IN THE ELEMENTARY SCHOOL

A general introduction to the techniques of language arts instruction in the elementary school. Includes such topics as functional and creative language, creative dramatics, development of listening skills, and special emphasis on instruction in spelling and handwriting. Observation and laboratory experiences are required. 3 credits. The Staff.

Education 325. THE DEVELOPMENTAL TEACHING OF READING

Readiness, word recognition, vocabulary, comprehension, interpretive oral reading, skills for content fields, study skills and adaptive rates of reading are emphasized. 3 credits. Mr. Aubry, Mr. Banton, Miss Bland, Mr. Elliott, Mr. Gibbons, Mrs. Woodburn.

Education 347. AUDIO-VISUAL EDUCATION

The improvement of instruction through the use of audio-visual equipment, techniques and materials. 3 periods a week; 3 credits. Mr. Bowington, Mr. Silliman, Mrs. Vick.

Education 349. EDUCATION TELEVISION

A detailed study of educational television with special emphasis on the roles of the studio and classroom teacher. Includes laboratory practice in the planning and production of televised instruction. 3 credits. Mr. Bowington, Mr. Silliman, Mrs. Vick.

Education 424. BEHAVIOR MODIFICATION IN THE CLASSROOM

An introduction to the basic principles of behavior modification as they apply to classroom management and discipline. 3 periods a week; 3 credits. Mr. Aubry, Mr. Stein.

Education 429. THE DIAGNOSTIC TEACHING OF READING

Evaluation of reading progress, survey of common reading difficulties, diagnostic techniques, and corrective methods for the classroom are emphasized. 3 credits. Mr. Aubry, Mr. Banton, Miss Bland, Mr. Elliott, Mr. Gibbons, Mrs. Woodburn.

Education 451. SURVEY OF EXCEPTIONAL CHILDREN

Survey of essential characteristics of the exceptional child in an educational setting. Major emphasis is given to the educable mentally retarded, the slow learner, the gifted child, visually handi-

capped, crippled, and children with hearing impairments. 3 periods a week; 3 credits. Mr. Banton, Mr. Stein, Mr. Weatherly.

Education 453. PRINCIPLES OF KINDERGARTEN AND ELEMENTARY EDUCATION

Principles and methods of curriculum and instruction in the kindergarten-primary unit (K-3). Prerequisite: Education 325, 429. 3 periods a week; 3 credits. The Staff.

Education 454. PRINCIPLES OF ELEMENTARY EDUCATION

Principles and methods of curriculum and instruction in the upper elementary grades (4-7). Prerequisite: Education 325, 429. 3 periods a week; 3 credits. The Staff.

Education 455. PRINCIPLES OF SECONDARY EDUCATION

Principles and methods of curriculum and instruction in the secondary school. Required of all majors seeking the Collegiate Certificate at the secondary level. Open to juniors only. 3 periods a week; 3 credits. Mr. Arehart, Mr. Silliman, Mr. Sizemore, Mr. Vassar. Mrs. Woodburn.

Education 459. THE PUBLIC SCHOOL IN THE AMERICAN COMMUNITY

The relationship of the teacher to various aspects of public education, including organization and administration. 3 credits. Mr. Elliott.

Education 470. COMPARATIVE EDUCATION

A study of educational systems in selected nations with emphasis on historical, philosophical and cultural differences. 3 credits. Mr. Kovacs.

Education 485. PRODUCTION OF MEDIA FOR INSTRUCTION

A laboratory course involving production techniques of media materials for classroom utilization. 3 credits. Mr. Bowington, Mr. Silliman, Mrs. Vick.

The Professional Semester

All students in teacher education programs will participate in a professional semester in their senior year during the semester in which they engage in the student teaching practicum. The semester is divided into the ten-week practicum and a six-week flexible modular professional program. The semester offers a total of 18 semester hours credit.

THE STUDENT TEACHING PRACTICUM

Education 400. DIRECTED TEACHING IN THE KINDERGARTEN AND PRIMARY GRADES

Required of all majors in elementary education in the K-3 option. See prerequisites for student teaching on page . 10 credits. The Staff.

Education 401. DIRECTED TEACHING IN THE UPPER ELEMENTARY GRADES

Required of all majors in the upper elementary option. See prerequisites on page . 10 credits. The Staff.

Education 402. DIRECTED TEACHING IN THE SECONDARY SCHOOL

Required of all students in the secondary education curricula. See prerequisites for student teaching on page . 10 credits. The Staff.

Education 403. DIRECTED ELEMENTARY TEACHING FOR ART, MUSIC AND PHYSICAL EDUCATION

Five credits. The Staff.

Education 404. DIRECTED SECONDARY TEACHING FOR ART, MUSIC AND HEALTH & PHYSICAL EDUCATION

Five credits. The Staff.

Education 405. DIRECTED PRACTICUM IN LIBRARY SCIENCE

Five credits. The Staff.

THE PROFESSIONAL MODULE

Education 480. MEASUREMENT AND EVALUATION MODULE

The theory and practice in construction of teacher-made evaluation instruments and the selection, administration and interpretation of selected standardized tests related to instruction. Thirty 60-minute periods; 2 credits. Mr. DeWitt, Mr. Patterson, Mrs. Ra, Mrs. Simmons, Mrs. Woodburn.

Education 482. PHILOSOPHICAL FOUNDATIONS MODULE

An overview of the different philosophical approaches to education exemplified in current practice. Thirty 60-minute periods; 2 credits. Miss Bland, Mr. Kovacs.

Education 484. MEDIA MODULE

A laboratory module concerned with the utilization of basic multi-media in learning processes. Ten 90-minute periods; 1 credit. Mr. Bowington, Mr. Silliman, Mrs. Vick.

Education 486. DISADVANTAGED CHILDREN AND YOUTH SIMULATION MODULE

Introductory study of definitions, causes and characteristics of children and youth from disadvantaged environments. Emphasis on inner-city and rural

patterns. Implications for educational programs and teaching strategies. 2 credits. Mr. Elliott, Mr. Sizemore.

Education 488. EDUCATION SEMINAR

A series of discussions concerned with orientation to the teaching profession, the American school system, trends and innovations in education, and current research. Periods to be scheduled; 1 credit. Mr. Gibbons.

PSYCHOLOGY

Psychology 131. INTRODUCTION TO PSYCHOLOGY AS A SOCIAL SCIENCE

Personal and interpersonal aspects of behavior. Topics will include individual differences, developmental psychology, personality, abnormal psychology and social psychology. 3 credits. Miss Bingner, Mr. Stein.

Psychology 132. INTRODUCTION TO PSYCHOLOGY AS A NATURAL SCIENCE

Topics will include the organic basis of behavior, heredity, maturation, sensory and perceptual processes, motivation, learning and thinking. 3 credits. Miss Bingner, Mr. Smith, Mrs. Wacker.

Psychology 134. QUANTITATIVE METHODS IN PSYCHOLOGY

An introduction to the principles and techniques of experimental design and statistical analysis. 3 periods a week; 3 credits. Mrs. Ra.

Psychology 222. HUMAN BEHAVIOR THEORY

An in-depth theoretical study of behavioral, psychoanalytical, and humanistic approaches to human behavior. Prerequisite: Psychology 131 or 132. 3 periods a week; 3 credits. Mr. Stein.

Psychology 240. DEVELOPMENTAL PSYCHOLOGY I – CHILD PSYCHOLOGY

A consideration of the development of physical traits, intelligence, social behavior, emotional behavior, personality and adjustment from conception through pre-adolescence. Required of all majors in Elementary Education. (Not open to Psychology majors.) 3 credits. Mr. Banton, Miss Bingner, Mr. Patterson, Mr. Smith, Mrs. Wacker.

Psychology 250. DEVELOPMENTAL PSYCHOLOGY II – ADOLESCENT PSYCHOLOGY AND LEARNING

A review of the developmental psychology of adolescence and an application of the principles of learning theory as they relate to education. Required of both Elementary and Secondary majors in the teacher education program. (Not open to Psychology majors.) 3 credits. Mr. DeWitt, Mr. Smith, Mrs. Wacker, Mr. Weatherly.

Psychology 331. (Sociology 331). SOCIAL PSYCHOLOGY

Open to juniors and seniors only. Prerequisite: six hours of sociology or six hours of psychology. 3 periods a week; 3 credits. Mr. Smith.

Psychology 353. THE PSYCHOLOGY OF ADJUSTMENT

A dynamic and experimental approach to the study of personality. Prerequisite: 3 hours of psychology. 3 periods a week; 3 credits. Mr. Patterson, Mrs. Wacker.

Psychology 356. ABNORMAL PSYCHOLOGY

Description and explanation of the psychological aspects of behavior disorders including abnormalities of sensory and perceptual processes, memory emotion and the phenomena and interpretation of psychoses and neuroses. 3 periods a week; 3 credits. Mr. Stein.

Psychology 359. INDUSTRIAL PSYCHOLOGY

The facts, theories and techniques of psychology in relation to problems of employee selection and training, performance appraisal, worker motivation and morale, industrial leadership and safety, human engineering, and space psychology. 3 periods a week; 3 credits. Mrs. Wacker.

Psychology 361-362. EXPERIMENTAL PSYCHOLOGY

A detailed examination of the major problems of psychology and the experimental procedures available for their investigation. Prerequisite: Psychology 134. 2 periods lecture and one double period lab per week; 3 credits each semester. Mr. Smith.

Psychology 420-421. PSYCHOLOGICAL TESTS AND MEASUREMENTS

A survey of methods, techniques, and instruments for measuring individual differences in behavior with special emphasis on the Binet and Wechsler Scales. 2 periods lecture and one double period lab per week; 3 credits each semester. Mr. DeWitt.

Psychology 422. HUMAN LEARNING AND MEMORY

A detailed examination of theories and research dealing with verbal learning, concept learning, short-term and long-term memory stores, cognitive encoding and search strategies, and transfer. 3 periods a week; 3 credits. Mr. Smith.

Psychology 423. PHYSIOLOGICAL PSYCHOLOGY

A study of the physiological correlates of behavior including the sensory receptors, central brain mechanisms, and coordination of the motor systems. 3 periods a week; 3 credits. Mrs. Wacker.

Psychology 424. ANIMAL LEARNING AND MOTIVATION

An examination of the classic and contemporary literature in animal learning and motivation. Special emphasis is given to the evolutionary development of motivated states of behavior and its significance for the survival of a species. 3 periods a week; 3 credits. Mrs. Wacker.

Psychology 457. HISTORY AND SYSTEMS OF PSYCHOLOGY

The development of psychology from ancient to modern times. Consideration of important men and significant ideas contributing to current systematic psychology. Prerequisite: 6 hours of psychology. 3 periods a week; 3 credits. Mrs. Wacker.

Psychology 461. SEMINAR IN ADVANCED GENERAL PSYCHOLOGY

A seminar for the senior psychology major, designed to integrate his knowledge of specific fields into a comprehensive view of psychology, and to review the current research in various areas of psychology. (Open only to seniors.) 3 periods a week; 3 credits. The Staff.

For Graduates and Advanced Undergraduates

Advanced juniors and seniors may enroll in any of the following courses for undergraduate credit:

Education 525. READING IN THE ELEMENTARY AND SECONDARY SCHOOL

A study of the teaching principles and techniques in the field of reading. Prerequisite: Education 325 and teaching experience. 3 credits. Mr. Banton, Miss Bland, Mr. Gibbons, Mrs. Woodburn.

Education 526. TECHNIQUES IN DIAGNOSIS AND REMEDIAL READING METHODS

The diagnosis of reading difficulties and remedial procedures in reading. 3 credits. Miss Bland, Mrs. Woodburn.

Education 527. PRACTICUM IN DIAGNOSTIC AND REMEDIAL TECHNIQUES IN READING

The diagnosis of reading difficulties and directed practice in remedial procedures in a clinical setting. Summer only. 6 credits. Mrs. Woodburn, The Staff.

Education 530. TEACHING READING IN THE CONTENT AREA

A detailed analysis of the development of specific reading skills in the subject matter areas. 3 credits. Mrs. Woodburn.

Education 545. INTRODUCTION TO GUIDANCE AND COUNSELING

Introductory course in the techniques of counseling boys and girls in elementary and high schools. Prerequisite: Education 357 or equivalent. 3 credits. Mr. DeWitt, Mr. Weatherly.

Education 547. INSTRUCTIONAL MEDIA

Deals with the evaluation, selection, utilization, and integration of audio-visual media in the teaching-learning process. 3 credits. Mr. Bowington, Mr. Silliman, Mrs. Vick.

Psychology 521. HUMAN GROWTH AND DEVELOPMENT

The principles and processes of human development covering the entire life span. Major aspects of development (social, physical, mental, emotional, etc.) are traced through the various stages of development, and their interaction in organized behavior examined. 3 credits. Mr. Patterson, Mr. Stein.

Psychology 523. THEORIES OF PERSONALITY AND ADJUSTMENT

An examination of the major theories of personality and adjustment including an introduction to psycho-pathology. 3 credits. Mr. Stein, Mrs. Wacker.

Psychology 555. MENTAL TESTS

A course in the construction and interpretation of standardized tests. Intelligence, aptitude and achievement tests are discussed in terms of their validity, reliability, norms and scaling. (For non-psychology majors.) 3 credits. Mr. DeWitt.

COURSE REQUIREMENTS

The department offers majors in elementary education (NK-3 or 4-7) and psychology. Students majoring in either of these areas earn a Bachelor of Science degree.

ELEMENTARY EDUCATION MAJOR B S DEGREE

General Education Requirements for Patterns I and II

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|---|---|
| <p>1. <i>Humanities</i></p> <p>English 100, 101 6 credits</p> <p>English literature elective 3 credits</p> <p>Music 242 3 credits</p> <p>Art 341 3 credits</p> <p>English 282 3 credits</p> <p>2. <i>Social Sciences</i></p> <p>American History 121 or 122 3 credits</p> <p>History 111, 112 6 credits</p> <p>Economics 202 3 credits</p> | <p>3. <i>Natural Sciences</i></p> <p>Biology 102 or 103 4 credits</p> <p>Physical Science 102 4 credits</p> <p>4. <i>Mathematics</i></p> <p>Mathematics 123, 124 6 credits</p> <p>5. <i>Health and Physical Education</i></p> <p>Health Education 100 1 credit</p> <p>Health & Physical Education 360 3 credits</p> |
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General Certification Requirements for Patterns I and II

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| <p>1. <i>Language Arts</i></p> <p>Education 225 3 credits</p> <p>English 280 3 credits</p> <p>Speech 101 3 credits</p> <p>2. <i>Reading</i></p> <p>Education 325, 429 6 credits</p> <p>3. <i>Social Science</i></p> <p>Geography 201 3 credits</p> <p>4. <i>Mathematics</i></p> <p>Mathematics 323 3 credits</p> | <p>5. <i>Science</i></p> <p>Science 360 3 credits</p> <p>6. <i>Physical Education</i></p> <p>Physical Education Activity 2 credits</p> <p>Course electives</p> <p>7. <i>Developmental Psychology</i></p> <p>Psychology 240, 250 6 credits</p> |
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Professional Requirements for Certification

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| <p>1. <i>Methodology</i></p> <p>Education 453 (for N,K-3 majors) 3 credits</p> <p>Education 454 (for 4-7 majors) 3 credits</p> | <p>2. <i>Professional Semester Including Student Teaching</i></p> <p>Education 400 (N,K-3 only) 10 credits</p> <p>Education 401 (4-7 only) 10 credits</p> <p>Education 480, 482, 484, 486, 488 8 credits</p> |
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Areas of Concentration

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| <p>1. <i>Interdisciplinary Major</i></p> <p>Art 3 credits</p> <p>Music 3 credits</p> <p>Geography 3 credits</p> <p>Philosophy 3 credits</p> <p>Biology 102 or 103 4 credits</p> <p>Elective Courses 9 credits</p> <p>2. <i>Reading Teacher Endorsement</i></p> <p>Education 525, 526, 527, 530 15 credits</p> <p>English 281 3 credits</p> <p>Elective Courses 9 credits</p> <p>3. <i>Library Science Endorsement</i></p> <p>Library Science 280, 281, 301, 302, 401, 402 18 credits</p> <p>Education 485 3 credits</p> <p>Education 405 5 credits</p> | <p>4. <i>English Concentration</i></p> <p>English 120, 121, 140, 141, 415 15 credits</p> <p>English elective courses 6 credits</p> <p>General elective courses 6 credits</p> <p>NOTE: Students seeking certification endorsement will also register for Education 405, 455 (8 credits).</p> <p>5. <i>Modern Foreign Language Concentration</i></p> <p>A total of 30 credits of a specific language including beginning and intermediate and other courses which may have been taken prior to college study 30 credits</p> <p>NOTE: Students seeking certification endorsement will also register for Education 405, 455 (8 credits).</p> |
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6. *Earth Science-General Science Concentration*
 Geology 200-201 8 credits
 Astronomy 200 4 credits
 Geography 251, 252 6 credits
 Oceanography 311 4 credits
 Chemistry 101 4 credits
 General Elective 3 credits

NOTE: Students seeking certification endorsement will also register for Education 405, 455 (8 credits).

7. *Pre-Algebra Mathematics Concentration*
 Mathematics 114, 223, 452 7 credits
 Mathematics Electives 6 credits
 General Electives 15 credits

NOTE: Students seeking certification endorsement will also register for Education 405, 455 (8 credits).

8. *History or Social Studies Concentration*
 (The student will select A, B, or C.)

- A. *History*
 History 122, 305, 355 or 336, 465 12 credits
 History Electives 6 credits
 General Electives 9 credits

- B. *Government*
 Government 202, 215, 216, 341, 343, 350 18 credits
 General Electives 9 credits

- C. *Geography*
 Geography 241, 242, 355, 444 12 credits
 Geography Electives 6 credits
 General Electives 9 credits

NOTE: Students seeking certification endorsement in any one of the above history or social studies areas of concentration will also register for Education 405, 455 (8 credits).

NOTE: 128 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

PSYCHOLOGY MAJOR
B S DEGREE

General Education Requirements

Art, Music or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Philosophy 365/3 credits
 History 121 or 122/3 credits
 Economics or Government/3 credits
 Sociology and Anthropology/6 credits
 Mathematics/6 credits
 Biology 101, 202/8 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Major Requirements

Psychology 131, 132, 134/9 credits
 Psychology 361-362/6 credits
 Psychology 420-421/6 credits
 Psychology 457/3 credits
 Psychology 461/3 credits
 Psychology Electives/12 credits
 TOTAL/39 credits

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

MINOR IN PSYCHOLOGY

A minor in psychology is offered by the Department of Education and Psychology. A minimum of 18 semester hours if required for this program. These include:

1. Psychology 131, 132 6 credits
 2. Psychology 361 OR Psychology 420 3 credits

3. Three hours selected from 200 and 300 level courses including the following:
 Psychology 222
 Psychology 240
 Psychology 250
 Psychology 356
 Psychology 359
 Psychology 331
 Psychology 353

4. Three hours selected from 400 and 500 level courses including the following:
 Psychology 422
 Psychology 423
 Psychology 424
 Psychology 457
 Psychology 521*
 Psychology 523
 Psychology 555**

5. Three hours of electives selected from any of the courses above.

TOTAL 18 credits

*Not to be selected without the approval of the Chairman of the Department of Education and Psychology if Psychology 240 or 250 is elected.

**Not to be selected without the approval of the Chairman of the Department of Education and Psychology if Psychology 420 is elected.

FACULTY

John E. Arehart, *Assistant Professor*
 B.A., Southwestern at Memphis; M.Ed.,
 Ed.D., University of Virginia

Richard J. Aubry, Jr., *Assistant Professor*
 B.S., The American University; M.Ed.,
 Ph.D., University of Virginia

Robert L. Banton, III, *Professor*
 B.A., Randolph-Macon College; M.Ed.,
 Ed.D., University of Virginia

Janet L. Bingner, *Professor*
 B.S., University of Pittsburgh; M.A.,
 University of Maryland; Ed.D., George
 Washington University

R. Beatrice Bland, *Professor*
 B.S., Longwood College; M.A., Colum-
 bia University; Ed.D., University of
 Virginia

Edward V. Daubner, *Supervisor*
 B.S., M.A., Fordham University

Charles J. DeWitt, *Associate Professor*
 B.A., University of Virginia; M.S., Long-
 wood College; Ed.D., University of
 Virginia

George P. Elliott, *Associate Professor*
 B.S., M.S., Longwood College

Robert D. Gibbons, *Associate Professor*
 B.A., M.Ed., College of William and
 Mary; Ed.D., University of Virginia

Louis Kovacs, *Associate Professor*
 B.A., Emory and Henry College; M.Ed.,
 Southern Methodist University; Ed.D.,
 University of Tennessee

Charles H. Patterson, Jr., *Board of Visitors*
Distinguished Professor and Chairman
 B.S., M.A., Ed.D., University of Virginia

Jung B. Ra, *Associate Professor*
 B.A., Teachers' College, Kyong Puk Uni-
 versity; M.A., Texas Women's Univer-
 sity; Ph.D., University of Iowa

*James G. Silliman, *Assistant Professor*
 B.A., Emory and Henry College; M.A.,
 Virginia Polytechnic Institute and State
 University

Betty W. Simmons, *Supervisor*
 B.A., M.S., Longwood College

Ray B. Sizemore, *Associate Professor*
 B.S., M.Ed., North Carolina State Uni-
 versity; Ed.D., University of North
 Carolina at Chapel Hill

Edward D. Smith, *Assistant Professor*
 B.A., Heidelberg College; M.A., Univer-
 sity of Hawaii; Ph.D., Kent State Uni-
 versity

David B. Stein, *Assistant Professor*
 B.A., Brooklyn College; M.S., Ph.D.,
 Virginia Commonwealth University

Edwin H. Vassar, *Associate Professor and*
Director of Student Teaching
 B.S., Virginia Polytechnic Institute;
 M.S., Longwood College

Nancy H. Vick, *Assistant Professor and*
Director of the Bureau of Teaching
Materials
 B.S., East Carolina University; M.Ed.,
 College of William and Mary; Ed.D.,
 Indiana University

Phyllis G. Wacker, *Associate Professor*
 B.A., Westhampton College; M.A., Uni-
 versity of Richmond

Mark G. Weatherly, *Associate Professor*
 B.S., M.Ed., Ed.D., University of Virginia

Mary Stuart Woodburn, *Assistant Professor*
 B.S., Madison College; M.Ed., University
 of Virginia

*Leave of absence 1978-79

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

Shirley M. O'Neil, *Chairman*

The department offers four educational programs. The programs are designed to meet the following objectives: (1) To prepare students to teach health and physical education in the secondary schools with an opportunity to specialize in coaching, dance, elementary education; (2) To qualify students for careers in therapeutic recreation; (3) To provide opportunities for students to develop leisure time skills; (4) To provide opportunities for students to participate in aquatic arts, dance, intramural and intercollegiate sports.

The Required Physical Education Curriculum

All students are required to complete one semester hour of credit in health, and three semester hours of credit in physical education activity courses. One of the three activity courses must be swimming, unless the student wishes to bypass swimming through testing. If this occurs, the student will replace the swimming credit with another physical education activity credit. Students must take one credit in Health Education 100 during the freshman year, and one credit of an activity course in the other three semesters of their freshman and sophomore years.

Activity equipment such as golf clubs, tennis rackets, archery arrows and bows are supplied by the department. Dance leotards, golf and tennis balls, swimming suits, caps and towels must be furnished by the students enrolled in these courses.

It is recommended that each student select a program of activity so that the student will develop a skill competency in at least one area whether it be an individual sport, aquatics, or dance. A maximum of one semester hour may be taken in any one activity at the beginning level, but any number of semester hours may be taken in any one activity at the intermediate and advanced levels.

Numerals after the name of the activity indicate the level of proficiency: I—Beginner; II—Intermediate; III—Advanced.

Health Education 100. FRESHMAN HEALTH EDUCATION

A prescribed program for all freshman students. A series of lectures on current health problems. 3 periods a week; 1 credit. The Staff.

Physical Education 101. AEROBIC FITNESS AND WEIGHT CONTROL

A course designed to develop an understanding of aerobics (cardiovascular exercises) and the relationship of aerobics to physical fitness and weight control. 3 periods a week; 1 credit. Mr. Graham.

Physical Education 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124. SEMESTER ACTIVITY COURSES

Three periods a week; 1 credit. The Staff.

*Physical Education 104. Fencing
I-II.*

*Physical Education 105. Gymnas-
tics I-II.*

*Physical Education 106. Modern
Dance I, II, III.*

Physical Education 107. Tennis I-II.

Physical Education 108. Golf I-II.

Physical Education 109. Lacrosse I.

*Physical Education 110. Swimming—
Non-Swimmers, Beginners, Inter-
mediate, Synchronized.*

*Physical Education 111. Seasonal
Activity Courses; students signing
up for seasonal activity classes must
take one class each half-semester and
are not permitted to take two half-
semester courses in one half-semester.
Registration for both half-semesters
must be completed during regular
registration sessions at the beginning
of each semester.*

*Physical Education 112. Archery I-
II.*

*Physical Education 113. Camping
Skills.*

Physical Education 114. Bowling.

*Physical Education 115. Equitation
I-II. Offered 2 double periods a week;
8 weeks.*

*Physical Education 116. Gymnas-
tics Judging.*

Physical Education 117. Yoga.

Physical Education 118. Ballet.

*Physical Education 119. Social and
Recreational Dances.*

*Physical Education 120. Volley-
ball I-II.*

Physical Education 121. Jazz.

Physical Education 122. Soccer.

Physical Education 123. Wrestling.

*Physical Education 124. Weight
Training.*

*Physical Education 161, 163, 165, 167,
169, 171, 173, 175, 177, 179, 181,
183, 185, 187, (I, II, III, IV). VAR-
SITY SPORTS PARTICIPATION*
Open to all students who demonstrate
competence in a sport. Tryouts are
required. A student may earn a total
of 8 credits in a varsity sport partici-
pation, but may not earn more than 4
credits in the same sport. Evaluation:
grade and/or pass/fail. 4 periods a week;
1 credit. The Staff.

*Physical Education 161. Intercol-
legiate Archery—Womens' & Mens'.*

*Physical Education 163. Intercol-
legiate Basketball—Womens' &
Mens'.*

*Physical Education 165. Intercol-
legiate Fencing—Womens' & Mens'.*

*Physical Education 167. Intercol-
legiate Field Hockey—Women's &
Mens'.*

*Physical Education 169. Intercol-
legiate Golf—Womens' & Mens'.*

*Physical Education 171. Intercol-
legiate Gymnastics—Womens'.*

*Physical Education 173. Intercol-
legiate Lacrosse—Womens'.*

*Physical Education 175. Intercol-
legiate Swimming—Womens'.*

*Physical Education 177. Intercol-
legiate Tennis—Womens'.*

*Physical Education 179. Intercol-
legiate Volleyball—Womens'.*

Physical Education 181. Intercollegiate Soccer—Mens’.

Physical Education 183. Intercollegiate Baseball—Mens’.

Physical Education 185. Intercollegiate Riding—Womens’ & Mens’.

Physical Education 187. Intercollegiate Wrestling—Mens’.

Physical Education 206. I, II, III, IV. ADVANCED TECHNIQUES IN MODERN DANCE

Techniques work in dance for the advanced student. Prerequisite: previous study in dance and permission of instructor. 3 periods a week; 2 credits. The Staff.

Physical Education 210. ADVANCED LIFE SAVING

Training in personal safety and rescue skills. American National Red Cross Certificate given. 3 periods a week; 2 credits. The Staff.

Physical Education 21.. WATER SAFETY INSTRUCTOR

Methods of teaching and skill analysis of swimming and life saving skills. Certified American National Red Cross Water Safety Instructors Certificate given. Prerequisite: current Advanced Life Saving Certificate. 3 periods a week; 2 credits. The Staff.

Professional Health, Physical Education and Recreation

A degree of Bachelor of Science with a major in Health, Physical Education and Recreation is granted to students who complete 128 semester hours of credit in one of the patterns of curriculum as described on page of this catalogue. Students may prepare for teaching careers in secondary physical education with an opportunity to specialize in coaching, dance, elementary physical education or leisure services. Majors who specialize in therapeutic recreation will enroll in a professional semester program which includes field work experiences instead of teacher education courses and student teaching, which are required of all majors in the teacher preparation programs.

Students with a major in Health, Physical Education and Recreation are expected to participate in the intramural and/or intercollegiate programs offered at the college.

Junior English Proficiency Requirement: Students will adhere to the college policy concerning the English Proficiency Requirement.

A minor in dance may be earned by those students successfully completing the courses listed in page . Students must pass an audition to enter the program. They are also expected to be active members of the Longwood College Company of Dancers for a minimum of two years.

PROFESSIONAL PHYSICAL EDUCATION

Physical Education 102, 103. BASIC TECHNIQUES

Techniques of activities basic to the physical education and recreation programs. Field hockey, archery, golf, badminton, basketball, fencing. 5 periods a week; 2 credits each semester. The Staff.

Physical Education 202, 203. BASIC TECHNIQUES

Techniques activities basic to the physical education and recreation programs. Volleyball, lacrosse, fencing, badminton, gymnastics, social and recreational dances. 5 periods a week; 2 credits each semester. The Staff.

Physical Education 225. MOTOR LEARNING

Basic concepts underlying motor learning including neuropsychical bases, feedback, perception and other factors

influencing rate and amount of motor learning. 3 periods a week; 3 credits. Miss Johnson.

Physical Education 261. PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL

Physical education principles for the elementary school. 3 periods a week; 3 credits. Miss Andrews, Mrs. Bobbitt.

Physical Education 300. SPORTS SAFETY AND ATHLETIC TRAINING

The study of accident prevention control in physical education, athletics and recreation. Prerequisite: Health Education 336, Biology 207. 3 periods a week; 3 credits. The Staff.

Physical Education 302. BASIC TECHNIQUES

Techniques of activities basic to the physical education and recreation programs. Track and field, tennis. 5 periods a week; 2 credits. The Staff.

Physical Education 303. PRINCIPLES AND TECHNIQUES OF OFFICIATING

The study of current rules and practices in the techniques of officiating in two of the following activities (basketball, field hockey, gymnastics, or volleyball) to be completed in two consecutive semesters. 2 periods a week; 2 credits. The Staff.

Physical Education 304. THEORY AND ANALYSIS OF ELEMENTARY SCHOOL PHYSICAL EDUCATION

Analysis, theory, and evaluation of all types of activities adaptable to elementary school physical education programs. 3 periods a week; 3 credits. Miss Andrews, Mrs. Bobbitt.

Physical Education 306. THE ATHLETIC PARTICIPANT

Through the development of a frame of reference for athletics, the athlete is studied psychologically and sociologically. Special emphasis is placed upon research that has been done in regard to the athletic participant at all levels of competition. 3 periods a week; 3 credits. The Staff.

Physical Education 322. DANCE IN EDUCATION

Theory and practice in methods of teaching dance activities. 3 periods a week; 2 credits. Miss Bowman.

Physical Education 338. PHYSIOLOGY OF EXERCISE

Lecture and laboratory experiences in the physiological responses of the body to physical activity in everyday life and in sports. 3 periods a week; 3 credits. Mr. Graham.

Physical Education 339. KINESIOLOGY

Scientific bases of physical education activities, methods of analysis, and application of scientific principles in specific physical education activities. 3 periods a week; 3 credits. Mr. Graham.

Physical Education 340. ADAPTED, DEVELOPMENTAL AND CORRECTIVE PHYSICAL EDUCATION

Analysis of teaching body mechanics in a general program of physical education, study and analysis of an adapted program within the physical education program, and development of procedures for a corrective physical education program. 3 periods a week; 3 credits. The Staff.

Physical Education 355. CONDUCT OF EXTRACURRICULAR ACTIVITIES IN PHYSICAL EDUCATION

Practice and theory in organization and administration of intramurals, extramurals and club activities. 3 periods a week; 3 credits. Miss Callaway.

Physical Education 357. (Dramatic Arts 357). DANCE COMPOSITION

Theory and practice in composition of solo and small group dances. The course is designed for those students interested in advanced training in dance. Prerequisite: permission of instructor. NOTE: This course is an elective and will meet the general education requirements in Physical Education or Dramatic Arts, but not both. This will not satisfy state certification requirements for teaching Dramatic Arts. 3 periods a week; 3 credits. Miss Bowman.

Physical Education 358. (Dramatic Arts 358). THEORY AND PRACTICE IN COMPOSITION AND CHOREOGRAPHIC PROBLEMS

The course is designed for those students interested in advanced training in dance. Prerequisite: permission of instructor. NOTE: This course is elective and will meet the general education requirement in Physical Education or Dramatic Arts, but not both. This will not satisfy state certification requirements for teaching of Dramatic Arts. 4 periods a week; 3 credits. Miss Bowman.

Physical Education 400. COACHING INTERSCHOLASTIC AND INTERCOLLEGIATE ATHLETICS

A seminar course to include the following topics: the role of athletics in the educational setting; the organization and administration of athletics on the interscholastic and intercollegiate levels; the role of the teacher/coach, coach/teacher; and training factors for different sports. 3 periods a week; 3 credits. The Staff.

Physical Education 404. SEMINAR IN ELEMENTARY SCHOOL PHYSICAL EDUCATION

A seminar course designed to study current literature relevant to children and elementary school physical education and to direct developmental activities for children with supervision. 5 periods a week; 3 credits. Miss Andrews, Mrs. Bobbitt.

Physical Education 405. PRACTICUM IN TEACHING AND/OR COACHING
Supervised teaching experiences and/or coaching experiences. Credit and hours to be arranged (maximum of 3 credits). Miss O'Neil.

Physical Education 428. SURVEY OF CONTEMPORARY DANCE

Comparative study and analysis of dance through film and literature. 3 periods a week; 2 credits. Miss Bowman.

Physical Education 461, 462, 463. SPECIAL PROJECTS IN PHYSICAL EDUCATION

Independent study and research projects for qualified students. (May be taken as 461 or 462 for 1 and 2 credits respectively.) 3 credits. Miss Heintz.

HEALTH EDUCATION

Health Education 205. DRUGS, ALCOHOL AND TOBACCO

A course designed to discuss in detail the physiological, psychological and emotional use and abuse of drugs, alcohol and tobacco in today's society. Each area will go into detail in the discovery and development of the use of the drug as it is known today. 3 periods a week; 3 credits. The Staff.

Health Education 301. DRIVER EDUCATION

Classroom instruction and supervised experience in teaching practice driving. Prerequisite: valid driver's license and background of driving experience. This course is required for state endorsement in driver education. 3 periods a week, plus additional hours in behind-the-wheel instruction; 3 credits. The Staff.

Health Education 302. SAFETY EDUCATION

The course is designed to emphasize an understanding and appreciation of the position of safety in modern life and the teaching of safety in the elementary and secondary schools. Additional attention is given to the psychological considerations, methods of teaching, safe school environment, liability of school personnel, and a safety program for all areas outside the school. 3 periods a week; 3 credits. The Staff.

Health Education 310. HUMAN SEXUALITY

A course designed to study the various specific components of human sexuality of children, adolescents and adults as relates to physical, social and emotional needs. 3 periods a week; 3 credits. The Staff.

Health Education 336. SAFETY AND FIRST AID

A course in general safety, accident prevention and first aid. American National Red Cross text will be used. 3 periods a week; 3 credits. Mr. Williamson.

Health Education 345. CURRENT HEALTH PROBLEMS

Study of current health problems related to the health status of individuals including at present: drug use and abuse, chronic and degenerative diseases, en-

vironmental health hazards, communicable diseases, and family living. 3 periods a week; 3 credits. The Staff.

HEALTH AND PHYSICAL EDUCATION

Health and Physical Education 354.
**PRINCIPLES AND PROCEDURES OF
TEACHING HEALTH AND PHYSICAL
EDUCATION IN JUNIOR AND
SENIOR HIGH SCHOOLS**

A combination of study and methods related to the school health program and physical education principles and activities for junior and senior high school girls and boys. 3 periods a week; 3 credits. Miss Smith.

Health and Physical Education 360.
**ELEMENTARY SCHOOL HEALTH
AND PHYSICAL EDUCATION**
Health and physical education principles and activities for the elementary school. Required for a major in elementary education. 3 single and 1 double periods a week; 3 credits. Miss Andrews, Mrs. Bobbitt.

Health and Physical Education 402.
ORGANIZATION AND ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION AND RECREATION
The function of administration and administrative procedures in elementary, secondary, college and university departments. The emphasis is concerned with philosophy, organization, finance, personnel areas, facilities, program, public relations, office management, insurance and liability and other areas of administration. 3 periods a week; 3 credits. Miss Johnson.

Health and Physical Education 403.
**EVALUATION IN HEALTH AND
PHYSICAL EDUCATION**
Practice and theory in evaluation of performance in health and physical education activities including physical fitness; skills and motor performance tests, grading procedures; body measurements; written tests; and classification of students. 4 periods a week; 3 credits. The Staff.

THERAPEUTIC RECREATION PROGRAM

*Recreation 201. HISTORY, THEORY
AND PHILOSOPHY OF RECREATION
AND LEISURE*

An introduction to the beginnings and growth of recreation, leisure and parks as fostered by individuals, agencies, and governments; attitudes toward and theories of play; present principles and objectives; organizations and groups interested in recreation and parks and their relationships; job opportunities, specifications and demands; self-analysis of individual student interest, limitations and capabilities in light of these specifications and demands. 3 periods a week; 3 credits. Mr. Blair.

*Recreation 213. COMMUNITY
RECREATION AND LEISURE*

The nature, extent and significance of recreation; planning, design and operation of recreational areas and facilities; overview of activity programs, and staff selection and maintenance. 3 periods a week; 3 credits. The Staff.

Recreation 237. CAMP COUNSELING
Theory, planning, organizing and practical application inherent in camping; role and leadership characteristics; camping skills, activities, and current trends. 3 credits. The Staff.

Recreation 306. SEMINAR
A series of presentations and discussions concerning internships experience in a variety of therapeutic recreation settings. Prerequisite: Recreation 380. 5 periods a week, 2 weeks, 2½ hours per day; 2 credits. The Staff.

Recreation 307. ADAPTED ACTIVITIES FOR SPECIAL POPULATIONS
Methods and techniques of implementing and conducting recreational activities for special populations; use of recreational games, rhythmical activities, dramatics, music, dance and lifetime sports; insight into adapted equipment, facilities and resources for adapting activities. 5 periods a week, 5 weeks; 3 credits. The Staff.

*Recreation 308. THERAPEUTIC
RECREATION IN THE MEDICAL
SETTING*
A survey of medical facilities, services and administrative organizational pro-

cedures with a strong emphasis being placed on medical terminology. 5 periods a week, 3 weeks, 2½ hours a day; 3 credits. The Staff.

*Recreation 310. SUPERVISION
AND ADMINISTRATION OF
RECREATION*

Legal aspects of community recreation; municipal and departmental organizations; supervision techniques; financing and budget; evaluation; and public relations in recreation. 3 credits. The Staff.

*Recreation 337. LEADERSHIP AND
GROUP DYNAMICS*

Anatomy of leadership; group characteristics; group development; communication techniques; practical techniques; practical applications; and problem solving. 3 credits. The Staff.

*Recreation 361. DEVELOPMENTAL
AND ADAPTIVE ACTIVITIES*
A study of activities and their adaptation for children in special populations. 3 periods a week; 3 credits. The Staff.

*Recreation 370. PROGRAM AND
DEVELOPMENT OF RECREATION*
Study and practice of planning, conducting and implementing activity programs; rationale for activity development; practical field-work experience; and recreation counseling. 3 credits. The Staff.

FRESHMAN EXPERIENCE
All therapeutic recreation majors will be required, prior to their junior internship, to have completed an approved field experience of 120 hours in a selected therapeutic setting.

Recreation 380. JUNIOR INTERNSHIP
A 10-week supervised recreation field-work experience will be required during the student's junior year. 10 weeks; 10 credits. The Staff.

Recreation 400. SENIOR INTERNSHIP
A 16-year educational work experience during the senior year designed to provide maximum opportunities for the student majoring in therapeutic recreation to participate in selected professional laboratory experiences. 16 weeks; 18 credits. The Staff.

COURSE REQUIREMENTS

The department offers two majors and one minor: Health, Physical Education; Therapeutic Recreation and Dance. The requirements for each major and minor are listed below:

HEALTH, PHYSICAL EDUCATION, MAJOR B S DEGREE

General Education Requirements

Art, Music, or Drama/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 History 121 or 122/3 credits
 Social Science Electives/9 credits
 Biology 101/4 credits
 Biology 206/4 credits
 Mathematics/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Departmental Requirements Necessary for Secondary Endorsement

Biology 207/4 credits
 Physical Education 102, 103, 202, 203,
 302/10 credits
 Physical Education 225/3 credits
 Physical Education 261/3 credits
 Physical Education 303/2 credits
 Physical Education 338/3 credits
 Physical Education 339/3 credits
 Physical Education 340/3 credits
 Health Education 336/3 credits
 Health Education 345/3 credits
 Health & Physical Education 354/3 credits
 Health & Physical Education 402/3 credits
 Health & Physical Education 403/3 credits
 TOTAL/46 credits

Additional Courses Necessary for Secondary Endorsement with an Elementary Concentration

Physical Education 304/3 credits
 Home Economics 306/4 credits
 Physical Education 404/3 credits
 TOTAL/10 credits

Additional Courses Necessary for Secondary Endorsement with a Coaching Concentration

Physical Education 300/3 credits
 Physical Education 306/3 credits
 Physical Education 400/3 credits
 TOTAL/9 credits

Departmental Electives

Health Education 205/3 credits
 Health Education 301/3 credits
 Health Education 302/3 credits
 Health Education 310/3 credits
 Health Education 345/3 credits
 Physical Education 355/3 credits
 Physical Education 405/2 or 3 credits
 Physical Education 461, 462, 463/1,
 2, or 3 credits

Minor in Dance

Physical Education 206 I, II, III, IV/8 credits
 Physical Education 322/2 credits
 Physical Education 357/3 credits
 Physical Education 358/3 credits
 Physical Education 428/2 credits
 TOTAL/18 credits

THERAPEUTIC RECREATION MAJOR B.S. DEGREE

General Education Requirements

Art/3 credits
 Music 111/3 credits
 English 100, 101/6 credits
 Literature/3 credits
 Psychology 131/3 credits
 History 121 or 122/3 credits
 Sociology 221/3 credits
 Social Science Electives/6 credits
 Biology 206/4 credits
 Biology 207/4 credits
 Mathematics/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits

Professional Education Requirements

Recreation 201/2 credits
 Recreation 210/3 credits
 Recreation 213/3 credits
 Recreation 237/4 credits
 Recreation 310/3 credits
 Recreation 337/3 credits
 Recreation 380/10 credits
 TOTAL/31 credits

Professional Emphasis Requirements

Recreation 306/2 credits
 Recreation 307/3 credits
 Recreation 308/3 credits
 Recreation 361/3 credits
 Recreation 400/18 credits
 TOTAL/29 credits

Health & Physical Education Requirements

Health Education 336/3 credits
 Physical Education 102/2 credits
 Physical Education 339/3 credits
 Physical Education 340/3 credits
 TOTAL/11 credits

Other Requirements

Art 211/3 credits
 Education 347/3 credits
 Psychology 356/3 credits
 TOTAL/9 credits

*All therapeutic recreation majors will be required, prior to their junior internships, to have completed an approved field experience of 120 hours in a selected therapeutic facility. No credit will be given.

FACULTY

Nancy A. Andrews, *Assistant Professor*
B.S., Longwood College; M.S., University of Tennessee; Ed.D., Virginia Polytechnic Institute & State University

Ronald Bash, *Associate Professor and Assistant Athletic Director (Men's Coordinator)*
B.S., Temple University; M.Ed., Ed.D., Boston University

Robert J. Blair, Jr., *Assistant Professor*
B.S., University of Maryland; M.S., University of North Carolina at Chapel Hill

Charles D. Bolding, *Instructor*
B.S., Milligan College; M.S., University of Tennessee

Eleanor W. Bobbitt, *Professor*
B.S., Longwood College; M.S., University of Tennessee; Ph.D., University of Maryland

Betty Ann Bowman, *Professor*
A.B., M.S., University of Tennessee; Ph.D., University of Michigan

Francis M. Brasile, *Assistant Professor*
B.S., University of Wisconsin; M.S., University of Illinois

Ruth L. Budd, *Instructor*
B.A., Madison College; M.S., James Madison University

Sally C. Bush, *Assistant Professor*
B.S., Mississippi State College; M.A., Appalachian State Teachers College

Peter H. Cunningham, *Instructor*
B.S., Austin Peay State University; M.A., Murray State University

Gerald P. Graham, *Associate Professor*
B.A., Muskingum College; M.A., Ohio State University; Ph.D., Kent State University

Phyllis W. Harriss, *Assistant Professor*
B.S., Longwood College; M.S., University of Tennessee

Mary A. Heintz, *Professor, Vice-President for Student Affairs, and Dean of Students*
B.S., Sargent College of Physical Education; M.S., University of Tennessee; Ph.D., University of Iowa

Carolyn V. Hodges, *Assistant Professor and Athletic Director*
B.S., Lynchburg College; M.S., University of North Carolina at Greensboro

Anne H. Huffman, *Assistant Professor*
B.A., College of William and Mary; M.S., Longwood College

Judith R. Johnson, *Associate Professor*
B.S., Winthrop College; M.S., University of Iowa; Ph.D., University of Illinois

Denise I. McDonough, *Instructor*
B.S., M.S., Madison College

Nelson D. Neal, *Assistant Professor*
B.S., State University of New York; M.S., University of Wisconsin

Shirley M. O'Neil, *Professor and Chairman*
B.A., University of New Hampshire; M.A., University of Tennessee; Ph.D., University of Michigan

Carolyn C. Price, *Assistant Professor*
B.S., University of Maryland; M.S., University of North Carolina at Greensboro

Jiri Rada, *Assistant Professor*
B.A., B.H.P.E., Queen's College; M.Sc., University of Oregon

Barbara B. Smith, *Professor*
B.S., Limestone College; M.Ed., University of North Carolina at Chapel Hill; Ed.D., University of North Carolina at Greensboro

Richard A. Williamson, *Instructor*
B.S.P.E., M.Ed., University of Mississippi

DIVISION OF HISTORY AND THE SOCIAL SCIENCES

Charles F. Lane, *Acting Chairman*

The Division of History and the Social Sciences offers courses in anthropology, geography, government, history, sociology, and social work. Majors may be taken in History, Government, Sociology, Social Work, and Social Science. All of these majors (except Social Work) meet the Collegiate Professional Certification standards for teaching in Virginia. For a state endorsement in history, geography, government, or sociology, a course in basic economic is required. The program in social work prepares individuals for graduate school entry or first level professional practice according to the standards of the National Association of Social Workers.

Majors intending to pursue graduate study should consult with appropriate staff members for help in planning their undergraduate programs.

Students must fulfill their General Education requirements by taking History 121 or 122, and by taking nine hours in at least two of the following areas: Anthropology, Economics, Geography, Government, History, or Sociology. Specific courses recommended by the department are indicated by an asterisk in the course descriptions. Elementary Education majors must take History 111, 112, Economics 202, Geography 201, 212 and History 121 or 122.

For those students seeking a B.A. degree, three semester hours in one foreign language must be taken at the 200 level.

A student majoring in History or Social Science subjects may be required to take a comprehensive examination preceding student teaching to demonstrate academic proficiency in the major subjects. Prior to student teaching in government, a student must complete Government 215, 216, and one semester of either Government 341 or 342 with no less than a grade of "C" in each course.

Social Science 400. TEACHING HISTORY AND THE SOCIAL SCIENCES IN THE SECONDARY SCHOOL

This course is recommended as an elective for all students majoring in history or the social sciences. 3 periods a week; 3 credits. Mr. Burke.

ECONOMICS

*Economics 202. *BASIC ECONOMICS*
A concentrated study of economic principles with emphasis on methods of economics analysis and current economic problems. 3 periods a week; 3 credits. Mr. Cristo.

*Economics 231-232. *PRINCIPLES OF ECONOMICS*
Economics 231 is a prerequisite for Economics 232. 3 periods a week; 3 credits each semester. Mr. Cristo.

For other economics courses, see listings under the Department of Business and Economics.

GEOGRAPHY

*Geography 201. *BASIC ELEMENTS OF GEOGRAPHY*

The scope and nature of geographic philosophies are treated. Special emphasis is placed on significance of man, culture, and the cultural processes in the organization of space on the earth's surface. 3 periods a week; 3 credits. Mr. Lane, Mr. Rubley.

Geography 212. WORLD GEOGRAPHY – A CONCEPTUAL APPROACH

An experimental and practical approach in teaching world and regional geography. Skills involved in reading and interpreting geographic data will be emphasized. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits. Mr. Dent, Mr. Rubley.

Geography 241. CULTURAL GEOGRAPHY

A study of the interaction between man and the land. Spatial and time elements are interwoven with selected topics such as man's religions, economics, settlement patterns, racial stocks, and population characteristics. 3 periods a week; 3 credits. The Staff.

Geography 242. ECONOMIC GEOGRAPHY

Relation of geographic factors to economic conditions in determining the

nature and location of the several productive occupations and the distribution of the output of these occupations, including their transportation and marketing. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits. The Staff.

Geography 251. PHYSICAL GEOGRAPHY – METEOROLOGY AND CLIMATOLOGY

A study of basic weather phenomena and processes is emphasized. The varieties of climate and their origin in terms of air masses, source regions, and frontal zones are treated. 3 periods a week; 3 credits. Mr. Lane.

Geography 252. PHYSICAL GEOGRAPHY – PEDOLOGY, HYDROLOGY, PLANT GEOGRAPHY AND EARTH RESOURCES

A study of the physical environment in which terrestrial elements are analyzed and interrelated. The natural resource base is emphasized. 3 periods a week; 3 credits. Mr. Lane.

Geography 353. GEOGRAPHY OF VIRGINIA

Geographical appraisal of Virginia, including the geology, landforms, soils,

History 465. TUDOR-STUART ENGLAND, 1485-1714

The major social, political, economic, and religious forces of one of England's most dynamic periods are critically examined against the backdrop of the 16th Century Renaissance and the 17th Century Intellectual Revolution. Research paper or critical book analysis required. Background in Western Civilization recommended. 3 periods a week; 3 credits. Mr. Millar.

History 466. GEORGIAN ENGLAND, 1714-1815

A survey of the social, cultural, and political trends in the 18th century, with individual topics and reports by students. Prerequisite: History 112 or permission of instructor. 3 periods a week; 3 credits. Mr. Couture.

History 467. VICTORIAN ENGLAND, 1815-1900

Special emphasis on the political history of 19th Century England and the Empire, with report topics on literary and cultural developments. Prerequisite: permission of instructor or recommendation of English Department. 3 periods a week; 3 credits. Mr. Couture.

History 469. SOVIET DIPLOMACY

A one-semester analysis of the diplomacy and foreign policy of Soviet Russia from 1917 to the present. Stress is placed on the political machinery and the motivating forces which determine such foreign policy. 3 periods a week; 3 credits. Mr. Crowl.

History 473. THE EMERGENCE OF MODERN GERMANY, 1648-1870

The political, social, cultural, economic and religious history of German-speaking central Europe between 1648 and 1870. Special emphasis is placed on the dynastic emergence of Prussia as a great power in Europe, and on the significant influence that the characteristics of the Prussian state had in shaping the nature of the German Empire created by Bismarck. Offered on demand. 3 periods a week; 3 credits. Mr. Sydnor.

History 474. MODERN GERMANY, 1870 TO THE PRESENT

The political, cultural, intellectual, and economic development of Modern Germany in its European setting since the period of unification. During the semester, major attention is devoted to the four decisive periods that have shaped the development of German-speaking central Europe: The Wilhelmian Period and the First World War; the Weimar Republic; the National Socialist Period and the Second World War; and the development of the two post-war Germanies. 3 periods a week; 3 credits. Mr. Sydnor.

AMERICAN HISTORY

*History 121, 122. *UNITED STATES HISTORY*

An introductory course in U.S. history. First semester: Colonial Foundations to Civil War Era; Second semester: Civil War Era to Modern Times. 3 periods a week; 3 credits. The Staff.

History 301. AMERICAN COLONIAL HISTORY

A study of the English North American colonies from 1607 to 1783 with emphasis on settlement; governmental, economic, social, and religious development; and the cause, course, and results of the American Revolution. Prerequisite: History 121. 3 periods a week; 3 credits. Mr. Couture.

History 302. THE EARLY NATIONAL PERIOD OF THE UNITED STATES

A study of the period from the adoption of the Constitution to the end of the Mexican War, with special attention to development of political institutions and practices, but attention as well to economic growth, reform movements, and westward expansion. Prerequisite: History 121. 3 periods a week; 3 credits. Mr. Helms.

History 303. CIVIL WAR AND RECONSTRUCTION

The United States from the close of the Mexican War to the Compromise of 1877, with emphasis on the constitutional, political, economic, and social (as opposed to military) aspects of the period. Prerequisite: History 121. 3 periods a week; 3 credits. Mr. Hall.

History 304. EMERGENCE OF MODERN AMERICA

The United States from the Compromise of 1877 to the First World War. The Industrial Revolution and its consequences, the conquering of the Far West, the Populist Revolt, the Progressive Movement, and the rise of the United States to world power comprise the focal points of the course. Prerequisite: History 122. 3 periods a week; 3 credits. Mr. Hall.

History 305. MODERN AMERICA

A history of the United States from the 1920's to the present. Prerequisite: sophomore to senior standing. 3 periods a week; 3 credits. Mr. Sneller.

History 307. DIPLOMATIC HISTORY OF THE UNITED STATES TO 1898

A study of American foreign relations from the American Revolution to 1898. Prerequisite: History 121. 3 periods a week; 3 credits. Mr. Helms.

History 308. DIPLOMATIC HISTORY OF THE UNITED STATES SINCE 1898

American foreign relations and diplomatic activities from the Spanish-American War to the present. Prerequisite: sophomore to senior standing. 3 periods a week; 3 credits. Mr. Sneller.

History 309. AMERICAN SOCIAL AND INTELLECTUAL HISTORY

A study of the major developments in American thought and culture from the colonial period through the Civil War with special emphasis on Puritanism, the Enlightenment, and the romantic movement. Prerequisite: History 121. 3 periods a week; 3 credits. Miss Etheridge.

History 310. AMERICAN SOCIAL AND INTELLECTUAL HISTORY

A study of major developments in American thought and culture since the Civil War with special emphasis on Darwinism, liberal reform, conservative reaction, the affluent society and the counter culture. Prerequisite: History 122. 3 periods a week; 3 credits. Miss Etheridge.

History 311. THE HISTORY OF WOMEN IN AMERICA

A study of the changing role of women in America from the Colonial period to the present, contrasting the ideology of women's place in society with the reality of their lives. Special emphasis is given to the Victorians, the fight for women's suffrage, and the women's liberation movement of the 20th Century. Prerequisite: History 121, 122 or permission of instructor. 3 periods a week; 3 credits. Miss Etheridge.

History 314 (Economics 307). ECONOMIC HISTORY OF THE UNITED STATES

A study of the economy of the United States from Reconstruction to the present. Prerequisite: Economics 202 or 231-232, or History 122. 3 periods a week; 3 credits. The Staff.

History 402. AMERICAN HISTORY-GRAPHY

The writing and interpretation of American history from colonial times to the present. Recommended only for history and social science majors. Prerequisite: History 121, 122. 3 periods a week; 3 credits. Mr. Hall.

History 404. VIRGINIA HISTORY

A survey of the political development of Virginia from 1607 to the 20th Century. Prerequisite: History 121 and 122 or permission of instructor. 3 periods a week; 3 credits. Mr. Couture.

History 405. VIRGINIA HISTORY

The social and cultural study of Virginia with special emphasis on the teaching of Virginia history in secondary and elementary schools. Field trips and research topics of a social and cultural nature are involved in this course. Prerequisite: History 121 and 122 or permission of instructor. 3 periods a week; 3 credits. Mr. Couture.

History 406. THE OLD SOUTH

A study of the basic political, economic and social institutions, forces, and

problems which collectively shaped the antebellum South. Prerequisite: History 121. 3 periods a week; 3 credits. Mr. Hall.

History 455 (Government 455). CONSTITUTIONAL HISTORY OF THE UNITED STATES

An examination of the Articles of Confederation is followed by a study of the writing, ratification, and continuing interpretation of the Constitution of 1787 leading to our current constitutional system. 3 periods a week; 3 credits. Mr. Helms.

LATIN-AMERICAN HISTORY

History 331, 332. LATIN-AMERICAN HISTORY

First semester: the colonial period. Second semester: the period of independence. Offered on demand. 3 periods a week; 3 credits. The Staff.

History 333. LATIN AMERICA IN THE TWENTIETH CENTURY

Social, political, cultural, and economic movements since the beginning of the 20th Century, with special emphasis on Mexico, Brazil, Argentina, Chile, Peru, Uruguay, and Colombia. Offered on demand. 3 periods a week; 3 credits. The Staff.

ASIAN HISTORY

History 335. HISTORY OF THE FAR EAST

A survey of Chinese cultural and political history. Special emphasis is given to the modern period; the impact of the West, the domestic crises, the reform movements, the Republican revolution, the Communist Revolution. 3 periods a week; 3 credits. Mr. Crowl.

History 336. HISTORY OF THE FAR EAST

A survey of Japanese cultural and political history. Special emphasis is given to the modern period, the opening of Japan, the Meiji Restoration, modernization, the rise of militarism, American occupation and important current

issues. 3 periods a week; 3 credits. Mr. Sneller.

OTHER UNDERGRADUATE HISTORY COURSES

History 400. SPECIALIZED TOPICS IN HISTORY

Offered on demand. 3 periods a week; 3 credits. The Staff.

History 401. DIRECTED READING IN HISTORY

Must be approved by chairman of the department. 2 credits. The Staff.

History 460, 461. HISTORY SEMINAR

Offered on demand. Open to junior and senior history majors. 1 period a week; 1 credit. The Staff.

History 490, 491. HISTORY SEMINAR

Three credits each semester. The Staff.

GOVERNMENT

*Government 201. *INTRODUCTION TO POLITICAL SCIENCE*

An introductory study of fundamental political concepts, principles, and institutions. 3 periods a week; 3 credits. Mr. Harbour, Mr. Helms.

Government 202. INTRODUCTORY SURVEY OF DEMOCRATIC THEORY AND POLITICS

A study of the nature of democratic government, the variety of forms democracy may take, and the problems which usually develop in a democratic society. 3 periods a week; 3 credits. Mr. Harbour.

*Government 215, 216. *AMERICAN GOVERNMENT*

(Government 215—Federal; Government 216—State and Local) Study of American political institutions and processes, and discussions of current issues and problems of American government and politics. Field trips are usually required. 3 periods a week; 3 credits. Mr. Harbour, Mr. Helms.

Government 331. POLITICAL THEORY AND PHILOSOPHY

Survey of outstanding political theories and philosophies from ancient Greece through the Middle Ages, including political theory and philosophy of Plato, Aristotle, Cicero, St. Augustine, and St. Thomas Aquinas. 3 periods a week; 3 credits. Mr. Harbour.

Government 332. POLITICAL THEORY AND PHILOSOPHY

Survey of outstanding political theories and philosophies of modern times, including theories of Machiavelli, Hobbes, Locke, Montesquieu, Rousseau, Burke, deTocqueville, J.S. Mill, Hegel, Marx, Lenin and Mao. 3 periods a week; 3 credits. Mr. Harbour.

Government 341. AMERICAN POLITICAL THOUGHT TO 1860

An introduction to the principal thinkers and the central themes in American political thought to the Civil War. 3 periods a week; 3 credits. Mr. Hall.

Government 342. AMERICAN POLITICAL THOUGHT: 1860 TO PRESENT

An introduction to the principal thinkers and the central themes in American political thought from the Civil War to modern times. 3 periods a week; 3 credits. Mr. Harbour.

Government 343. AMERICAN FOREIGN POLICY

A study of U. S. foreign policy with special attention to the policy-making process, current problems in foreign affairs, and the development of long-range foreign policy. 3 periods a week; 3 credits. Mr. Harbour.

Government 350. THE AMERICAN PRESIDENCY

An investigation of the modern presidency and its role in contemporary society. Special attention will also be given to the constitutional background of the office, the evolution of presidential powers, relationships between the presidency and Congress and the bureaucracy, presidential elections, and the role of the presidency in making public policy. 3 periods a week; 3 credits. Mr. Harbour.

Government 360. POLITICAL PARTIES

Comparison of two-party systems with one-party and multi-party systems around the world, exploration of the nature, advantages, and disadvantages of political party systems, and special emphasis on the origin and development of the two-party system in the U.S. 3 periods a week; 3 credits. Mr. Helms.

Government 435. WESTERN EUROPEAN GOVERNMENT AND POLITICS

A study of the institutions and processes of the political system of England, France, and West Germany. 3 periods a week; 3 credits. The Staff.

Government 436. RUSSIAN AND EASTERN EUROPEAN GOVERNMENT AND POLITICS

A study of the institutions and processes of the political systems of Russia and eastern European countries. 3 periods a week; 3 credits. The Staff.

Government 437, 438. ASIAN GOVERNMENTS AND POLITICS

Study of the major Asian powers, primarily Communist China and Japan. Special attention given to the political systems and foreign policies. Offered on demand. 3 periods a week; 3 credits. The Staff.

Government 441. INTERNATIONAL RELATIONS

Study of the various factors conditioning foreign policies of the state. Special attention given to the foreign policies of the major powers of the world. 3 periods a week; 3 credits. Mr. Harbour.

Government 442. INTERNATIONAL ORGANIZATIONS

Study of the United Nations, its organization, activities, and policies and its role in world politics. 3 periods a week; 3 credits. The Staff.

Government 455. (History 455). CONSTITUTIONAL HISTORY OF THE UNITED STATES

An examination of the Articles of Confederation is followed by a study of the writing, ratification, and continuing interpretation of the Constitution of 1787 leading to our current constitutional system. 3 periods a week; 3 credits. Mr. Helms.

Government 460, 461, 462. GOVERNMENT SEMINAR

Open to juniors and seniors; offered on demand. 1 period a week; 1 credit. The Staff.

Government 495. THE GOVERNMENT SEMESTER INTERNSHIP

Work in residence with the Virginia General Assembly for a complete session, the balance of the semester to be spent in directed study on a topic or topics approved by the department. Open to juniors and seniors. Prerequisite: Government 215, 216; and 341 or 342. 16 credits.

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

Jerry D. Cardwell, *Chairman*

SOCIOLOGY

Sociology 201. BASIC STATISTICS

A study of the basic statistical methods appropriate for dealing with problems in business and the social sciences. Offered on demand. 3 periods a week; 3 credits. The Staff.

Sociology 221. *INTRODUCTORY SOCIOLOGY

The study of principles and comparisons in society and culture as these relate to social groups and institutions. 3 periods a week; 3 credits. The Staff.

Sociology 222. SOCIOLOGY OF CHILD DEVELOPMENT

Emphasis in this course is upon the social situations in which children live and grow from infancy to maturity. 3 periods a week; 3 credits. The Staff.

Sociology 230. CONTEMPORARY SOCIAL PROBLEMS

An introduction to the sociology of deviant and social disorganization. Prerequisite: Sociology 221. 3 periods a week; 3 credits. Mr. LaManna, Mr. Hlad.

Sociology 320. SOCIOLOGY OF EDUCATION

The school system and classroom are analyzed with the emphasis on basic sociological concepts. Social class differences, the status of teachers, education as a socializing agent and education as a vehicle of mobility are among the topics taken into consideration. Prerequisite: Sociology 221. 3 periods a week; 3 credits. The Staff.

Sociology 321. (Anthropology 321). THE SOCIOLOGY OF RELIGION

An investigation of the social aspects of religion, its forms of organization, and its relationship to other social institutions. Prerequisite: six hours of sociology and/or anthropology. 3 periods a week; 3 credits. Mr. Cardwell.

Sociology 331. (Psychology 331). SOCIAL PSYCHOLOGY

Open to juniors and seniors only. Prerequisite: six hours of sociology and six hours of psychology. 3 periods a week; 3 credits. The Staff.

Sociology 332. RACE AND CULTURAL MINORITIES

A study of the sociological principles related to understanding the position and problems of racial and cultural minorities in modern society. Open to juniors and seniors only. Prerequisite: Sociology 221. 3 periods a week; 3 credits. Mrs. Cristo.

Sociology 335. JUVENILE DELINQUENCY

The nature of delinquent behavior. Social determinants of delinquency. Methods of detention, probation and parole, court administration. Open to juniors and seniors only. Prerequisite: Sociology 221. 3 periods a week; 3 credits. Mr. Hlad.

Sociology 360. URBAN SOCIOLOGY

The nature of urban social organization. Includes ecological factors in urban development, internal organization of metropolitan areas, urban lifestyles and problems, urban planning practices. Prerequisite: Sociology 221. 3 periods a week; 3 credits. Mr. LaManna.

Sociology 365. BIRTHS, DEATHS, AND MOVES: THE DEMOGRAPHIC PROCESSES

An introduction to the basic principles of demography. The relationship of

social, economic and psychological factors to the processes of fertility, mortality, and migration. Analysis of population composition, population growth and contemporary population problems. Limited to juniors and seniors except by permission of instructor. 3 periods a week; 3 credits. Mr. LaManna.

Sociology 381, 382, 383. TOPICAL SEMINARS IN SOCIOLOGY

Advanced seminars for sociology majors and non-majors interested in sociology. The seminars are designed to permit small groups of qualified students to pursue specialized topics in sociology such as criminology, medical sociology, social gerontology, social stratification, sociology of dying and sociology of law. Prerequisites: 6 hours of sociology to include Sociology 221. Offered as interest and need arises. 1, 2, or 3 credits. The Staff.

Criminology—Analysis of the nature, extent and distribution of crime, emphasizing theories of and research on causation, prediction and prevention, rehabilitation. 3 credits. Mr. Hlad.

Social Stratification—Analysis of social mobility, class, status and power. 3 credits. Mr. Hlad.

Sociology of Law—The relationship between law and social structure, the study of the process of law enforcement (including police behavior) the decision making process in the courts (including judicial and jury behavior) and an analysis of the legal profession itself. 2 credits. Mr. Hlad.

Medical Sociology—A study of the sociocultural aspects of health, illness and health care and the relationship of illness and health care to socioeconomic factors. A sociological analysis of the organization of medical services and the processes of medical education. 3 credits. Mr. LaManna.

Social Gerontology—A sociological analysis of attitudes regarding aging and the status and role of the elderly in different societies. 3 credits. The Staff.

Sociology of Dying—A cross-cultural analysis of attitudes toward death and dying. 1 credit. Mr. LaManna.

Sociology 390. THE HISTORY OF SOCIOLOGICAL THEORY

A survey of historical social philosophy and social theories from ancient to modern times, with particular emphasis upon social determinants of thought and idea systems and their reciprocal effect upon social conditions. Prerequisite: 9 hours of sociology to include Sociology 221. 3 periods a week; 3 credits. The Staff.

Sociology 441. MARRIAGE AND THE FAMILY

A study of the structure and function of the family; factors in the choice of a marriage partner; and the necessary adjustments in marriage and family life. Open to juniors and seniors only. 3 periods a week; 3 credits. Mrs. Cristo.

Sociology 443. (Anthropology 443). THE COMMUNITY

Review of theories of community and analysis of representative community studies. Open to juniors and seniors only. Prerequisite: 6 hours of sociology. 3 periods a week; 3 credits. Mr. Jordan.

Sociology 445. MODERN SOCIAL THEORY AND RESEARCH

A review of modern social theory with emphasis on the relationship between theory and research. The student is introduced to social research through actual data collection and analysis. Prerequisite: six hours of sociology. 3 periods a week; 3 credits. Mrs. Cristo.

Sociology 446. SOCIOLOGY OF LITERATURE

This course is designed to review and concentrate on an in-depth analysis of sociological concepts through the study of a variety of literary works. Students are expected to discuss, question and analyze the literature while gleaning the sociological frame of reference. Prerequisite: 6 hours of sociology or permission of instructor. 3 periods a week; 3 credits. The Staff.

Sociology 490. DIRECTED STUDY IN SOCIOLOGY

Recommended only when subject matter cannot be studied in scheduled courses. Must have permission of departmental chairman. 3 credits per semester; no more than 6 credits may be earned in Sociology 490. The Staff.

ANTHROPOLOGY

Anthropology 201. INTRODUCTION TO CULTURAL ANTHROPOLOGY

*A general study of human society and culture; an introduction to the principles of social and cultural anthropology. 3 credits. Mrs. Cristo, Mr. Jordan.

Anthropology 202. CULTURAL ANALYSIS

A cross-cultural analysis and comparison of selected societies; applying the principles of cultural anthropology. Prerequisite: Anthropology 201. 3 credits. Mrs. Cristo.

Anthropology 310. INTRODUCTION TO FIELDWORK

Practical introduction to ethnographic fieldwork in contemporary American society, using methods of participant observation and semantic analysis. Prerequisite: Anthropology 201 and Sociology 221. 3 periods a week; 3 credits. The Staff.

Anthropology 321. (Sociology 321). THE SOCIOLOGY OF RELIGION

An investigation of the social aspects of religion, its forms of organization, and its relationship to other social institutions. Prerequisite: six hours of sociology and/or anthropology. 3 periods a week; 3 credits. Mr. Cardwell.

Anthropology 443. (Sociology 443). THE COMMUNITY

Review of theories of community and analysis of representative community studies. Open to juniors and seniors only. Prerequisite: 6 hours of sociology. 3 periods a week; 3 credits. Mr. Jordan.

Anthropology 490. DIRECTED STUDY IN ANTHROPOLOGY

Recommended only when subject matter cannot be studied in scheduled courses. Must have permission of department chairman. 3 credits each semester; no more than 6 credits may be earned in Anthropology 490. The Staff.

SOCIAL WORK PROGRAM

George C. Stonikinis, Jr., *Chairman*

The undergraduate program is accredited by the Council on Social Work Education and prepares individuals for entry into graduate school or first level professional practice according to the standards of the National Association of Social Workers.

Social Work 101. INTRODUCTION TO THE HUMAN SERVICES

An introduction to the broad range of Human Service professions and the nature and structure of Human Service organizations (schools, hospitals, welfare, corrections, mental health, environment, etc.) which deliver client services. Emphasis is placed on the common elements underlying "helping" actions of a wide variety of human services. Students preparing for a career in any Human Service area will be provided an orientation to systematic analysis of Human Service professions and systems. 3 periods a week; 3 credits. Mrs. Young.

Social Work 102. SOCIAL WELFARE AND THE SOCIAL WORK PROFESSION

A study of the dynamic adjustment process between the American social welfare system and its societal, value, and historical context. Emphasis is placed on providing a conceptual, theoretical, and philosophical basis for analyzing institutional welfare and its relation to individual and social needs, social justice, and a pluralistic and humanistic society. The emergence, current status, and future of profes-

sional social work practice is explored. Prerequisite: Social Work 101. 3 periods a week; 3 credits. Mr. Stonikinis.

Social Work 240. SOCIAL POLICY AND ISSUES IN SOCIAL WELFARE

Models of policy analysis and formulation are reviewed and the role of both social work and government are investigated. The characteristics of poverty, racism, sexism, power, and community are studied in relation to social welfare policy, social work practice, social planning, and programs and services. Prerequisite: Social Work 102. 3 periods a week; 3 credits. Mr. Stonikinis.

Social Work 280. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I

This course presents a knowledge and theory base integrated around a general systems approach. Emphasis is placed on a multi-level perspective of human behavior in the areas of personality development, self-concept formation, community and organizational systems, group processes, personal change dynamics, family systems, and life cycles. Concurrent focus is placed on practice

relevancy of the theory base. Prerequisite: Sociology 221 and Psychology 222. 3 periods a week; 3 credits. Mr. Stonikinis.

Social Work 281. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II

A continuing exploration of theoretical contributions to the design and application of intervention strategies. The role of interpersonal influence is studied within the context of effective communication for planned change and effective skills are practiced. Prerequisite: Social Work 280. 3 periods a week; 3 credits. Mr. Stonikinis.

Social Work 309. HUMAN SEXUAL ADJUSTMENT

Socio-cultural influences on gender identity and sexual behavior will be analyzed and issues regarding sexual expression and sexual dysfunctioning will be explored. Methods of dealing with sexual adjustment difficulties at both the individual and community levels are presented including human service resources. Prerequisite: 3 hours of Sociology and Psychology. 3 periods a week; 3 credits. The Staff.

Social Work 310. MINORITY EXPERIENCES: HUMAN DEVELOPMENT IN HOSTILE ENVIRONMENTS

With a special emphasis on the Black experience, the course will examine the impact of the conditions of institutionalized racism, sexism, and prejudice on the development of personality, capability, and self concept. Survival strategies, individual strengths and societal treatment of minorities will be analyzed in order to further develop an understanding in the student for effective practitioner-client relationships. Prerequisite: Sociology 332. 3 periods a week; 3 credits. Mrs. Young.

Social Work 320. SOCIAL WORK RESEARCH AND EVALUATION DESIGN

The role of scientific inquiry in the continuing development of knowledge and practice skill bases, measures of accountability, needs assessment, and evaluation design is presented. Students conduct in-agency research and assessments and study of the impact of applied scientific techniques on the design and delivery of professional practice. Prerequisite: Mathematics 113, Social Work 336. 3 periods a week; 3 credits. Mr. Stonikinis.

Social Work 335. JUNIOR INTERVENTIVE MEANS LAB

Laboratory experiences enabling the development and application of practice skills for direct service. Emphasis is on levels of problems, systematic



assessment and problem solving, and uniqueness of various interventive means. Corequisite: Social Work 336. 2 periods a week; 1 credit. The Staff.

Social Work 336. INTERVENTIVE MEANS IN SOCIAL WORK

A generic approach to social work practice with the goal of achieving social justice and the fulfillment of human potential and needs. Students are helped to analyze problem situations, to select goals and strategies of intervention and worker roles, to develop skill in use of self and other resources and to assess effectiveness of intervention and services. Prerequisite: Social Work 281. Corequisite: Social Work 335. 3 periods a week; 3 credits. The Staff.

Social Work 339. JUNIOR FIELD INSTRUCTION IN SOCIAL WORK

Throughout the semester, a direct practice experience under the supervision of a field instructor. Application and continued growth of knowledge base, social work practice skills, and values is assessed. Termination of the field instruction will include a formal "Junior Evaluation" involving staff and student in an assessment of the student's candidacy for admission into the Social Work Program. Prerequisite: Social Work 336 and "C" average in major. 5 credits. Field Instruction Staff, Miss Lintz.

Social Work 340. JUNIOR INTEGRATIVE SEMINAR

Seminar format provides a supplementary opportunity for generalizing principles and intervention approaches beyond the particular Social Work 339 experience. Focus is on the systematic application of generalist practice principles, both traditional and innovative, in the formation of an integrated professional practice approach. Corequisite: Social Work 339. 2 periods a week; 1 credit. The Staff.

Social Work 341. HUMAN SERVICE DELIVERY SYSTEMS

Introduction to applied systems theory: social work administration, management process and service delivery design in both private and public sectors. Prerequisite: Social Work 339 or permission of instructor. 2 credits. The Staff.



Social Work 350. (Economics 350). THE ECONOMICS OF WELFARE

An economic analysis of poverty, unemployment and the problems of education and housing for low-income families together with a critical examination of the economics of medicare, social security, urban renewal and other government welfare programs. Prerequisite: Economics 232. 3 periods a week; 3 credits. The Staff.

Social Work 400. FIELD INSTRUCTION

Educationally directed student learning in selected settings. Students learn by participating in the delivery of social services to individuals, small groups, families, organizations, and/or communities. At least 40 hours per week in an agency for 15 weeks. Prerequisite: Social Work 427. Corequisite: Social Work 401, 404, and 407. 12 credits. Miss Lintz.

Social Work 401. INTEGRATIVE SEMINAR

A concurrent seminar providing an opportunity for generalizing intervention skills and experience beyond the student's particular field instruction experience. 3 sessions—30 hours—at regional locations; 2 credits. The Staff.

Social Work 403. SOCIAL PATHOLOGIES AND SOCIAL WORK

"Pathologies" of society are examined as issues with implications for individuals, families and communities. The role of social workers in facilitating adjustment processes involving human sexuality, migration and mental health are some of the topical issues of focus. 15 hours; 1 credit. The Staff.

Social Work 404. SOCIAL WELFARE ADMINISTRATION

An analysis of skills and understanding essential for the translation of human service program goals into organizational structures. Emphasis is on organizational concepts and theories, administrative philosophies and actual analyses of structural change and operation of field experience agencies. Prerequisite: Social Work 400. 15 hours; 1 credit. The Staff.

Social Work 405. WORKING WITH SPECIAL POPULATIONS

An analysis of what constitutes a "special" population and relevant techniques of service delivery. Development of unique methods of working with urban and rural populations, death, run-aways, corrections, low-income families and alternate lifestyles is explored. 15 hours; 1 credit. The Staff.

Social Work 406. AGING AND SOCIETY

An introduction to the psychological, social and economic realities of aging with an emphasis on perceiving the elderly as a minority group. Theories of the aging process will be analyzed in conjunction with intervention techniques. 15 hours; 1 credit. The Staff.

Social Work 407. LAW AND THE SOCIAL WORKER

Seminar on law as a resource in social work practice, with emphasis on the areas where the two professions frequently meet — such as public welfare, juvenile court, family law, adoptions, etc. Examines attitudes of law and social work toward each other. 15 hours; 1 credit. The Staff.

Social Work 408. MANPOWER DEVELOPMENT AND PROFESSIONAL ENTRY

The changing nature of work is investigated regarding efforts to research and coordinate employment, processes of professionalization, career patterns, strategies which impact the application of human resources, and minority groups and work. Each student will identify career goals and explore professional career opportunities. (Non-Social Work majors encouraged.) Prerequisite: permission of instructor. 2 periods a week; 2 credits. Mr. Stonikinis.

Social Work 409. GENERAL SYSTEMS THEORY

A unique and individualized seminar course designed to provide an in-depth view of general systems theory and its

interdisciplinary implications. Emphasis is placed on the integrative and systematic ability of systems theory for providing participating students unique insights into their major while enhancing versatility, application, and perspective. (Non-Social Work majors encouraged.) Prerequisite: permission of instructor. 2 periods a week; 2 credits. Mrs. Young.

Social Work 415. INTER-PROFESSIONAL COMMUNICATION: TECHNIQUES FOR THE SURVIVAL OF INTERVENTIVE STRATEGIES

This unique course deals with the realities of effective professional role performance with peer professionals. The relationship between agency structure and functioning and the style, format, timing, and design of inter-professional transactions and helping patterns is studied. Special attention is given to the utilization of a scientific practice base for determining effective courses of professional action. Prerequisite: Social Work 336. 3 periods a week; 3 credits. The Staff.

Social Work 427. ADVANCED INTERVENTIVE MEANS

Continued development of generic skills and values at the advanced level for professional practice. Emphasis is placed on integration of knowledge into techniques and strategies for human service delivery. Prerequisite: Social Work 339. 3 periods a week; 3 credits. The Staff.

COURSE REQUIREMENTS

The Division offers majors in Government, History, Social Sciences, Sociology, and Social Work. For each of these majors, students may choose to pursue the Bachelor of Arts or the Bachelor of Science degree. Students planning to teach one of the social sciences are urged to seek an endorsement in a second social science in order to enhance their ability to gain employment upon graduation. Students may obtain information on endorsements from their academic advisers.

GOVERNMENT MAJOR B.S. Degree

General Education Requirements

Art, Music or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 Economics 202/3 credits
 History 121 or 122/3 credits
 Social Science Electives*/6 credits
 Science/8 credits
 Mathematics/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

(*To be selected from departmental list approved by department chairman or government adviser.)

Major Requirements

Government 215, 216/6 credits
 Government 331, 332/6 credits
 One semester of either Government 341 or 342/3 credits
 Government Electives**/15 credits
 TOTAL/30 credits
 (**Approved by department chairman or government adviser.)

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200 level.

The following courses must be taken for teaching certification:

Psychology 250/3 credits
 Education 455/3 credits
 Education 402, 480, 482, 484, 486, 488/18 credits
 TOTAL/24 credits

HISTORY MAJOR B. S. Degree

General Education Requirements

Art, Music or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Electives/3 credits
 Related Social Sciences/9 credits
 Economics/3 credits
 Science/8 credits
 Mathematics/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Major Requirements

History 111, 112/6 credits
 History 121, 122/6 credits
 History Electives (to be divided between American and non-American courses according to departmental requirements)/24 credits
 TOTAL/36 credits

Students seeking the B.A. degree must take 3 hours of one foreign language at the 200 level.

The following courses must be taken for teaching certification:

Psychology 250/3 credits
 Education 455/3 credits
 Education 402, 480, 482, 484, 486, 488/18 credits
 TOTAL/24 credits

SOCIAL SCIENCE MAJOR B. S. Degree

General Education Requirements

Art, Music or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 History 111, 112/6 credits
 History 121/3 credits
 Geography 201/3 credits
 Science/8 credits
 Mathematics/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Major Requirements

History 122/3 credits
 History Electives/9 credits
 Geography Elective/3 credits
 Government 215, 216/6 credits
 Government Electives/6 credits
 Economics 231-232/6 credits
 Sociology 221 or Anthropology 201/3 credits
 TOTAL/36 credits

All majors working toward the Collegiate Professional Certificate must take Social Science 400.

Students seeking the B.A. degree must take 3 hours of one foreign language at the 200 level.

The following courses must be taken for teaching certification:

Psychology 250/3 credits
 Education 455/3 credits
 Education 402, 480, 482, 484, 486, 488/18 credits
 TOTAL/24 credits

SOCIOLOGY MAJOR
B. S. Degree

General Education Requirements

Art, Music or Dramatic Arts/6 credits
English 100, 101/6 credits
Literature/3 credits
Humanities Elective/3 credits
Sociology 221/3 credits
History 121 or 122/3 credits
Economics 231-232/6 credits
Biology 101; 303, 306 or 309/8 credits
Mathematics 111, 113/6 credits
Health Education 100/1 credit
Physical Education Activity Courses/3 credits
TOTAL/48 credits

Major Requirements

Sociology 230/3 credits
Sociology 390/3 credits
Sociology 455/3 credits
Sociology Electives/24 credits
Anthropology 201, 202/6 credits
Government 215, 216/6 credits
Psychology 133/3 credits
TOTAL/48 credits

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200 level.

NOTE: All of the above majors require 126 hours for graduation, with a cumulative average of 2.0 and a 2.0 average in all major courses. If teaching certification is desired, 128 hours are required for graduation with a cumulative average of 2.0 and a 2.0 average in all major courses.

SOCIAL WORK MAJOR
B. S. Degree

General Education Requirements

Art, Music, or Dramatic Arts/6 credits
English 100, 101/6 credits
Literature Elective/3 credits
Humanities Elective/3 credits
History 121 or 122/3 credits
Economics 231-232/6 credits
Mathematics 113 and Elective/6 credits
Biology 101 and 323/8 credits
Anthropology 201/3 credits
Health Education 100/1 credit
Physical Education Activity Courses/3 credits
TOTAL/48 credits

Major Requirements

Government 215 or 216/3 credits
Psychology 131 and 222/6 credits
Sociology 221 and 332/6 credits
Social Work 101/3 credits
Social Work 102/3 credits
Social Work 240/3 credits
Social Work 280-281/6 credits
Social Work 310/3 credits

Social Work 320/3 credits
Social Work 336/3 credits
Social Work 335/1 credit
Social Work 339/5 credits
Social Work 340/1 credit
Social Work 415/3 credits
Social Work 427/3 credits
Social Work 400/12 credits
Social Work 401/2 credits
Social Work 404/1 credit
Social Work 407/1 credit
*Electives/12 credits
TOTAL/80 credits

(*Recommended: Sociology, Economics, Business)

NOTE: 128 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

MINOR IN GEOGRAPHY

The minor in Geography shall consist of 18 semester hours. Requirements include Geography 201 and 15 hours selected from courses emphasizing both cultural and physical elements. Also systematic and regional studies should be included. A minimum of one course must be selected from the following groups:

Cultural—241, 242, 444, 450, 454
Physical—251, 252, 354, 356
Regional—353, 401, 402, 403, 404, 405, 445, 453, 455

MINOR IN HISTORY

The history minor consists of 21 hours of courses selected from departmental

offerings after consultation with a departmental adviser.

MINOR IN GOVERNMENT

The government minor consists of 18 hours. Government 215, 216, and one semester of either Government 341 or 342 are required. The remaining nine hours must

be selected from departmental offerings after consultation with a departmental adviser.

MINOR IN SOCIOLOGY

The sociology minor shall consist of 18 hours. It will require Sociology 221, 230, 390, and 445, and six hours of electives in sociology to fit the student's interests and

career goals. This minor is designed for any student outside of the department who has an interest and purpose in selecting a minor in sociology.

MINOR IN ANTHROPOLOGY

The anthropology minor shall consist of 18 hours. It will require Anthropology 201, 202, 310, and nine hours of electives in anthropology. A student minoring in anthro-

pology will not be allowed to count Anthropology/Sociology 321 and Anthropology/Sociology 443 toward a minor or major in sociology.

FACULTY

Alexander V. Berkis, *Professor*

L.L.M., University of Latvia; M.A.,
Ph.D., University of Wisconsin

Thomas P. Burke, Jr., *Assistant Professor*
B.A., College of William and Mary;
M.Ed., University of Virginia

Jerry D. Cardwell, *Associate Professor and
Chairman of the Department of Sociology
and Anthropology*

B.A., University of Alabama; M.A., Uni-
versity of Maine; Ph.D., University of Utah

Richard T. Couture, *Assistant Professor*
B.A., College of William and Mary;
M.A., University of Virginia

Mary G. Cristo, *Associate Professor*
B.S., M.A., Ph.D., University of Virginia

James W. Crowl, *Assistant Professor*
B.A., Davis and Elkins College; M.S.,
Ph.D., University of Virginia

Elizabeth W. Etheridge, *Associate Professor*
A.B.J., University of Georgia; M.A.,
State University of Iowa; Ph.D., Univer-
sity of Georgia

L. Marshall Hall, Jr., *Associate Professor and
Chairman of the Department of History
and Government*

A.B., M.A.T., Duke University

William R. Harbour, *Assistant Professor*
B.A., University of Arizona; M.A., Ph.D.,
Indiana University

James M. Helms, *Professor*
B.A., Clemson College; M.A., Ph.D.,
University of Virginia

Lawrence G. Hlad, *Assistant Professor*
B.A., M.A., Boston University

James W. Jordan, *Assistant Professor*
B.S., Indiana University of Pennsylvania;
M.A., University of Connecticut; Ph.D.,
University of Georgia

Terence N. LaManna, *Assistant Professor*
A.B., Middlebury College; A.M., Brown
University

Charles F. Lane, *Professor and Acting Chair-
man of the Division*
B.A., M.S., University of Tennessee;
Ph.D., Northwestern University

Rhonda Aileen Lintz, *Assistant Professor*
B.A., University of Tennessee; M.S.W.,
Florida State University

Gilbert J. Millar, *Associate Professor*
B.A., Southeastern Louisiana College;
M.A., Ph.D., Louisiana State University

*Pil-yull Ra, *Assistant Professor*
B.A., Yon-sei University; M.A., Ph.D.,
Southern Illinois University

Earl A. Rubley, *Associate Professor*
B.S., St. Ambrose College; M.S., Univer-
sity of Kentucky

Maurice P. Sneller, *Professor*
B.A., M.A., Ph.D., University of Virginia

George C. Stonikinis, Jr., *Assistant Professor
and Director of the Social Work Program*
B.S., M.S., Virginia Polytechnic Institute
and State University; M.S.W., Virginia
Commonwealth University

Charles W. Sydnor, *Associate Professor*
B.A., Emory and Henry College; M.A.,
Ph.D., Vanderbilt University

Sarah V. Young, *Assistant Professor*
A.B., Greensboro College; M.S.W., Uni-
versity of North Carolina at Chapel Hill

*on leave of absence 1978-79

DEPARTMENT OF HOME ECONOMICS

Ann S. Thompson, *Chairman*

The Department of Home Economics offers three instructional programs. Students may declare their preference based on personal interest, aptitude and projected career plans.

The Bachelor of Science degree with an option in Home Economics Education qualifies the student for the Virginia Collegiate Professional Certificate with endorsement to teach Vocational Home Economics. Home Economics Education majors may elect courses in Career Education which qualifies to teach occupational home economics courses.

The Bachelor of Science degree with an option in Clothing and Textiles qualifies students for positions as Home Economists in business. Students majoring in this option may choose to emphasize Fashion Merchandising or Clothing and Textiles, which lead to positions in these fields. Clothing construction courses require students to furnish their own tools and fabrics.

The Bachelor of Science degree with an option in Foods and Nutrition qualifies students for positions as Home Economists in business.

Students should consult semester class schedules relative to course offerings for alternate years.

Minors in the areas of Clothing & Textiles and Food & Nutrition are available to non-Home Economics majors. Students wishing to minor in either of these areas should consult with the head of the Department of Home Economics.

Home Economics 101. FAMILY DEVELOPMENT

The continuing development of interpersonal relationships of family members throughout the life cycle. 3 periods a week; 3 credits. The Staff.

Home Economics 127. CLOTHING SELECTION AND CONSTRUCTION

A study of the basic principles of clothing construction and selection as applied to individual needs and appearance. Opportunity is provided in laboratory for creative modification of commercial patterns. 1 single and 2 double periods a week; 3 credits. Miss Ingram.

Home Economics 128. TEXTILES

A study of natural and man-made fibers for home and personal end uses emphasizing fiber properties, fabric construction and finishes. Laws and standards influencing the textile industry, garment industry and the consumer are analyzed. 3 periods a week; 3 credits. Miss Ingram.

Home Economics 133. PRINCIPLES OF FOOD PREPARATION

Application of scientific principles in the preparation of food. 1 single and 2 double periods a week; 3 credits. Miss McCreary.

Home Economics 134. MEAL MANAGEMENT

Planning and preparing food for family meals. Consideration will be given to variation in family composition and income. Prerequisite: Home Economics 133 or consent of instructor. 1 single and 2 double periods a week; 3 credits. Miss McCreary.

Home Economics 222. FAMILY CLOTHING NEEDS

A study of the factors involved in the selection of family clothing in accordance with the stages of the family life cycle. Construction of garments for family members with emphasis on fabric choice, garment design and fitting. Prerequisite: Home Economics 127, 128, or consent of instructor. 1 single and 2 double periods a week; 3 credits. Miss Ingram.

Home Economics 235. NUTRITION

Principles of human nutrition; discussion of the essential nutrients. Prerequisite: Chemistry 101. 3 single periods a week; 3 credits. Miss McCreary.

Home Economics 242. HOME EQUIPMENT

A study of the household equipment industry and the principles of selection, construction, operation, and care of household equipment. 2 single and 1 double periods a week; 3 credits. The Staff.

Home Economics 243. CONSUMER FINANCE

A study of consumer rights and responsibilities, consumer legislation, fundamentals of buymanship, and principles of finance relevant to the contemporary consumer. Prerequisite: Economics 202. 3 periods a week; 3 credits. The Staff.

Home Economics 300, 301. NEW TRENDS IN HOMEMAKING: FOODS, CLOTHING

Home Economics 300: Furnishing the new kitchen, preparation of family meals. Home Economics 301: Selection and care of family clothing and home furnishings, construction of simple garments. (Open to students not majoring in Home Economics.) 1 single and 2 double periods a week; 3 credits each semester. The Staff.

Home Economics 304. HISTORY OF COSTUME

A lecture course dealing with the history of costume. (Open to students not majoring in Home Economics.) 3 periods a week; 3 credits. The Staff.

Home Economics 306. CHILD DEVELOPMENT

A study of all aspects of a child's growth and development from conception through adolescence with attention to the role of parents and teachers in this process. Observation and participation in the Child Development Laboratory are required. Prerequisite: Home Economics 101 or Psychology 131, 132, or 240. 3 single and 1 double periods a week; 4 credits. Mrs. Osborn.

Home Economics 321. CULTURAL AND FUNCTIONAL ASPECTS OF CLOTHING AND TEXTILES

Cultural, psychological, aesthetic, and functional aspects of the selection and use of clothing and textiles with particular emphasis on present day apparel in America. Prerequisite: 6 credits

from any of the following areas: Art, Economics, Psychology or Sociology. 3 periods a week; 3 credits. The Staff.

Home Economics 323. FASHION APPAREL FUNDAMENTALS

A study of the fashion industry in the United States and abroad, emphasizing the interaction of economic patterns of clothing production, distribution and marketing. In depth analysis of the fashion movement. 3 periods a week; 3 credits. Miss Ingram.

Home Economics 324. ADVANCED TEXTILES

Scientific testing of performance properties of textile products, including wearing apparel and household textiles. Prerequisite: Home Economics 128. 1 single and 2 double periods a week; 3 credits. Miss Ingram.

Home Economics 325. CREATIVE PATTERN REVISION AND CONSTRUCTION

The understanding of the principles of flat pattern design. Experience in varying style features of commercial patterns. Intensive use of fitting and construction techniques in many types of clothing. Prerequisite: Home Economics 127, 128 and/or permission of instructor. 1 single and 2 double periods a week; 3 credits. Miss Ingram.

Home Economics 344. CONSUMER ISSUES AND ANSWERS

Designed to acquaint the student with current consumer problems, agencies, and legislation. Information on the wise selection of goods and services available with emphasis on those used by the consumer. (Open only to students NOT majoring in Home Economics.) 2 single periods a week; 2 credits. The Staff.

Home Economics 347. HOUSING

A study of housing standards, aesthetic, economic, and social factors influencing housing. 2 single and 1 double periods a week; 3 credits. The Staff.

Home Economics 348. HOME FURNISHINGS

The aesthetic and economic factors influencing the design of room interiors and the selection of furnishings for the home. Background in art principles, textiles, and housing helpful. 2 single and 1 double periods a week; 3 credits. The Staff.

Home Economics 356. TEACHING VOCATIONAL HOME ECONOMICS

An innovating instructional program to develop teaching-learning procedures in vocational home economics in secondary schools. Emphasis is on effective teacher competencies in classroom planning and management including the humanization of instruction, provision for individual differences, use of appropriate instructional resources, organization of teacher-learning strategies, provision for a favorable psychological climate and evaluation of pupil progress*. 3 periods a week; 3 credits. Mrs. Griffith.

(*Standards of Quality and Objectives for Public Schools in Virginia, 1974-76)

Home Economics 357. TEACHING VOCATIONAL HOME ECONOMICS

The role of the home economics teacher in the total school and community, observation and participation in home economics related programs, planning and implementing new programs. Prerequisite: Home Economics 356. 3 periods a week; 3 credits. Mrs. Griffith.

Home Economics 424. TAILORING

A study of custom tailoring methods as applied to coats and suits. Construction of tailored garments. Prerequisite: Home Economics 127, 128 and/or permission of instructor. 1 single and 2 double periods a week; 3 credits. Miss Ingram.

Home Economics 430. EXPERIMENTAL FOODS

Scientific principles related to the structure and behavior of foods. Prerequisite: Chemistry 205 or consent of instructor. 2 single and 1 three-hour lab per week; 3 credits. Miss McCreary.

Home Economics 431. QUANTITY FOOD SERVICE

Experience in quantity meal service including menu planning, work planning and food preparation. Consideration is given to the equipment, storage, facilities and safety controls necessary for efficient institutional food service. Prerequisite: Home Economics 134. 2 single and 1 four-hour periods a week; 4 credits. Miss McCreary.

Home Economics 432. PRESENTATION TECHNIQUES

Selection and use of appropriate aids and the organization of materials for demonstrations and other presentations in home economics subject matter areas. 1 single and 2 double periods a week; 3 credits. The Staff.

Home Economics 433. COMMUNITY NUTRITION

Study of nutrition problems and programs designed to aid in the solution of these problems. Prerequisite: Home Economics 235. 3 periods a week; 3 credits. Miss McCreary.

Home Economics 434. DIET THERAPY

The study of the causes and the treatment of nutritionally related diseases. Prerequisite: Home Economics 235. 3 single periods a week; 3 credits. Miss McCreary.

Home Economics 441. MANAGEMENT OF THE HOME

Theory of management processes in relation to decision-making, personal and family values, and the specific resources of families. 2 single periods a week; 2 credits. The Staff.

Home Economics 442. HOME MANAGEMENT RESIDENCE

Application and integration of management principles to family living and operation of a household. Prerequisite: Home Economics 441. Must have completed a minimum of 75 semester hours in college. 4 credits.

Home Economics 446. INTERIOR DECORATING WORKSHOP

Selected projects in furnishing the home, including furniture refinishing, upholstering, slip covering, draperies, and curtains. Additional expenses for materials involved. Prerequisite: Home Economics 127 and permission of instructor. 1 single and 2 double periods a week; 3 credits. The Staff.

Home Economics 451. CAREER EDUCATION IN HOME ECONOMICS

Students develop competencies in planning, organizing, and implementing Occupational Home Economics Education programs. The instructional program includes observation and field experience in schools offering Home Economics related occupations. Prerequisite: completed or presently enrolled in Home Economics 127, 134, 306, and 356. 2 single and 1 double periods a week; 3 credits. Mrs. Griffith.

Home Economics 452. CAREER EDUCATION IN HOME ECONOMICS

Supervised on-the-job work experiences in Food Services, Clothing Services, and Child Care Services. Students will adapt work experience to teaching, supervising, and evaluating programs in Home Economics at the secondary, post secondary, and adult levels. Prerequisite: Home Economics 451. 1 single and 2 double periods a week; 3 credits. Mrs. Griffith.

Home Economics 490. SEMINAR

Selected study of seminar topics of concern to women in the world of today. The topic for study will be announced each time the course is offered. The course may be repeated by a student for the series of the topics. The course number will increase for students who take subsequent offerings. Open to majors and non-majors. 2 credits. The Staff.

DIRECTED STUDY IN HOME ECONOMICS

Directed Study in Home Economics

For students qualified to pursue individual study in a specialized area of home economics. Approval of the chairman of the department is required. Offered on demand.

Home Economics 405. The Family and Child Development. 1-4 credits.

Home Economics 425. Clothing and Textiles. 1-4 credits.

Home Economics 435. Food and Nutrition. 1-4 credits.

Home Economics 445. Housing, Furnishings & Equipment. 1-4 credits.

Home Economics 455. Home Economics Education. 1-4 credits.



For Graduates and Advanced Undergraduates

Home Economics 510. THE MODERN FAMILY

A study of the modern family life. Emphasis is placed on the development stages in the life cycles of families. 3 credits. The Staff.

Home Economics 520. ADVANCED TAILORING

A comparison of custom tailoring and trade methods used in making suits,

coats, and costumes. Construction of tailored garments. Permission of instructor required. 3 credits. The Staff.

Home Economics 522. GARMENT STRUCTURE

Principles of flat pattern and draping as means of shaping fabric to the human figure. Construction projects testing the patterns and draping experiments; one construction project to include tailoring techniques. Prerequisite: Home Economics 325 and/or permission of instructor. 1 single and 2 double periods a week; 3 credits. The Staff.

Home Economics 523. CONCEPTS OF NEW FASHION STRUCTURES

Concepts and principles of garment structures and designs using recently developed fabrics and finishes. 2 credits. The Staff.

Home Economics 545. MANAGEMENT IN FAMILY LIVING

Management principles involving the analyzing and solving of managerial responsibilities in family living. 3 credits. The Staff.

Home Economics 546. COMPETENCY-BASED EDUCATION IN HOME ECONOMICS

The rationale, characteristics and principles of competency-based vocational education as applicable to home economics education are studied. The major emphases are on identifying and improving critical teacher competencies, evaluating and enriching curricular materials, developing or improving instructional strategies as prescribed by the Vocational-Technical Consortium of States structuring and expanding the use of individualized learning modules and improving and expanding techniques for evaluation. 3 credits. Mrs. Griffith.

Home Economics 550. PROGRAM PLANNING FOR HOME ECONOMICS EDUCATION

Planning and adapting home economics curriculum to meet the changing needs of society (home, school, community groups). 3 credits. The Staff.

COURSE REQUIREMENTS

The department offers a major in Home Economics with concentrations in Home Economics Education, Clothing and Textiles, or Food and Nutrition. Majors in this department earn a Bachelor of Science degree. The Department offers minors in Home Economics in the areas of Clothing and Textiles and Food and Nutrition. Requirements for each major or minor are listed below.

HOME ECONOMICS MAJOR B S DEGREE

Option I – Home Economics Education

Freshman Year

Art, Music, Dramatic Arts/3 credits
English 100 & 101/6 credits
Mathematics 111 or 112 or 161/3 credits
Mathematics 114 or 162/3 credits
Home Economics 101/3 credits
Home Economics 127, 128/6 credits
Home Economics 133, 134/6 credits
Health Education 100/1 credit
Home Economics 100/1 credit
TOTAL/32 credits

Sophomore Year

Chemistry 101/4 credits
Biology 101/4 credits
Psychology 250/3 credits
Economics 202/3 credits
Home Economics 242, 243/6 credits
Home Economics 235/3 credits
History 121 or 122/3 credits
Art 120/3 credits
Physical Education Electives/2 credits
TOTAL/31 credits

Junior Year

Humanities/3 credits
Home Economics 222, 325 or 424/3 credits
Home Economics 347, 348/6 credits
Home Economics 356, 357/6 credits
Home Economics 306/4 credits
Literature Elective/3 credits
Home Economics 441/2 credits
Physical Education Elective/1 credit
Electives/6 credits
TOTAL/34 credits

Senior Year

Social Science Elective/3 credits
Home Economics 442/4 credits
Sociology 441/3 credits
Electives (3)/3 credits
Professional Semester/18 credits
TOTAL/31 credits

(Suggested electives: Home Economics 432, Education 347, Home Economics 451, Home Economics 452.)

NOTE: 128 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

Option II – Clothing and Textiles (Fashion Merchandising Emphasis)

Freshman Year

English 100, 101/6 credits
Mathematics 111, 112 or 161/3 credits
Mathematics 112, 114 or 162/3 credits
Home Economics 127, 128/6 credits
Art 120/3 credits
Speech 101/3 credits
Chemistry 101/4 credits
Business 151/3 credits
Health Education 100/1 credit
Home Economics 100/1 credit
TOTAL/33 credits

Sophomore Year

Home Economics 133 or 235/3 credits
Economics 202/3 credits
Sociology 221/3 credits
Home Economics 101/3 credits
Home Economics 243/3 credits
Psychology 131/3 credits
Art 221/3 credits
Biology 101/4 credits
Business 228/3 credits
Literature Elective/3 credits
Physical Education Electives/2 credits
TOTAL/33 credits

Junior Year

History 121 or 122/3 credits
Home Economics 323, 325/6 credits
Home Economics 347, 348/6 credits
Government 216 or 216/3 credits
Home Economics 306/4 credits
Business 241/4 credits
Business 251/3 credits
Home Economics 441/2 credits
Physical Education Elective/1 credit
TOTAL/32 credits

Senior Year

Home Economics 424, 324/6 credits
Business 254, 454/6 credits
Home Economics 442/4 credits
Home Economics 432/3 credits
English 110 or 210/3 credits
Electives/6 credits
TOTAL/28 credits

(Suggested Electives: Home Economics 222 and 446, Business 121, 220, 242, or 256.)

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

Option III – Food and Nutrition

Freshman Year

English 100, 101/6 credits
Mathematics 111 or 161/3 credits
Mathematics 113 or 162/3 credits
Home Economics 133, 134/6 credits
Chemistry 101, 102/8 credits
History 121 or 122/3 credits
Speech 101/3 credits
Health Education 100/1 credit
Home Economics 100/1 credit
TOTAL/34 credits

Sophomore Year

Home Economics 243/3 credits
Economics 202/3 credits
Home Economics 101/3 credits
Home Economics 242/3 credits
Chemistry 205, Biology 101/8 credits
Government 215 or 216/3 credits
Home Economics 235/3 credits
Psychology 131/3 credits
Physical Education Electives/2 credits
TOTAL/31 credits

Junior Year

Art, Music, Dramatic Art/3 credits
Art 120/3 credits
Literature Elective/3 credits
Chemistry 312/4 credits
Biology 306 or 309/4 credits
Home Economics 430/3 credits
Home Economics 431 or 434/3 or 4 credits
Home Economics 441/2 credits
Business Elective/3 credits
Physical Education/1 credit
Elective/3 credits
TOTAL/32 or 33 credits

Senior Year

Sociology 221/3 credits
Home Economics 306/4 credits
Home Economics 432, 433/6 credits
Home Economics 442/4 credits
Business Elective/3 credits
Business 241/4 credits
Electives/4 or 5 credits
TOTAL/28 or 29 credits

(Students in the Food & Nutrition option must choose 6 hours from the following business courses: 220, 242, 254, 257, 454.)

Recommended Electives: Journalism 110, 210, 211.

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

MINORS IN HOME ECONOMICS

In order to complete a minor in one of the following areas of home economics, the student must take 18 semester hours in the particular area chosen.

Minor in Clothing and Textiles

Students must complete 9 hours as follows:

Home Economics 127
Home Economics 128
Home Economics 222

Nine hours are to be chosen from the following courses:

Home Economics 323
Home Economics 324*
Home Economics 325
Home Economics 424
Home Economics 446

(*Chemistry 101 is a prerequisite.)

Minor in Foods and Nutrition

Students must take 9 hours as follows:

Home Economics 133
Home Economics 134
Home Economics 235*

Nine hours are to be chosen from the following courses:

Home Economics 430**
Home Economics 431
Home Economics 432
Home Economics 433
Home Economics 434

(*Chemistry 101 is a prerequisite.)

(**Chemistry 205 is a prerequisite.)

FACULTY

Marguerite S. Griffith, *Associate Professor*

B.S., Milligan College; M.S., Ed.D.,
Virginia Polytechnic Institute and
State University

L. Melinda Ingram, *Instructor*

B.S., M.Ed., University of Georgia

Eva Jane McCreary, *Associate Professor*

B.S., Kent State University; M.S.,
University of Wisconsin

Marilyn W. Osborn, *Assistant Professor*

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

Ann S. Thompson, *Associate Professor
and Chairman*

B.S.H.E., M.S., University of North
Carolina at Greensboro

DIVISION OF LANGUAGE, LITERATURE AND PHILOSOPHY

William L. Frank, *Chairman*

The Division of Language, Literature and Philosophy includes the departments of English and Philosophy, Foreign Languages, and Speech and Dramatic Arts. Within the division, majors in English, French, Spanish, Dramatic Arts, and Speech Pathology are available; in addition, interested students may minor in Communications, English, Journalism and Philosophy.

DEPARTMENT OF ENGLISH AND PHILOSOPHY

William L. Frank, *Chairman*

The Department of English and Philosophy seeks to provide its majors a philosophy of language, a philosophy of literature, and skill in communication. English majors normally enter the B.A. degree program. Approval of the department chairman is required for students applying for a B.S. degree in English. The department also offers a M.A. degree.

The variety of courses available to Longwood students has been increased by a cooperative arrangement with Hampden-Sydney College. Under the terms of the arrangement, full-time students at either institution may enroll for courses at the other institution without added expense.

Students desiring to take advantage of this program must secure approval from the academic dean. Approval will be granted only if an equivalent course is not offered. English majors seeking approval for Hampden-Sydney courses must also have the approval of the English Department Curriculum Committee.

The requirements for a major in English satisfy the Virginia Certification Regulations for Teachers, effective July 1, 1968, which state: "The requirements of a minimum of 30 semester hours shall include courses in English literature, American literature, language, and composition and should also include a course in advanced composition writing and a course in modern English grammar." Each English teaching major shall schedule a meeting with the departmental English Pre-teaching Committee in the first semester of the sophomore year. The student will be assisted by the committee in evaluating his/her potential for teaching high school English.

For certification to teach Speech, Dramatic Arts, or Journalism as well as English, 6 additional semester hours in each field are required beyond the basic 30 semester hours in English. For Speech, the 6 additional hours may be obtained from any of the course offerings in Speech; for Dramatic Arts, the 6 hours must be obtained from the following: Dramatic Arts 201 and 202; for Journalism, English 110, 210, and either 211 or 212, and 296 satisfy the requirements.

Each semester the department will administer a three-hour examination which majors may take no earlier than the second semester of their sophomore year. A student failing the examination may repeat it only once. The examination will be graded pass/fail by two of the faculty members responsible for 415 grading independently. In the case of a tie, the third faculty member responsible for the course will break the tie. Passing this examination will permit a major to waive the English 415 requirement and will satisfy the junior composition proficiency requirement for English majors. For those students who fail the examination, 415 will be required and will satisfy the proficiency requirement.

The three-hour examination will be designed to test both composition and critical ability. The examination will consist of a poem (distributed at the time of the examination) to be analyzed in the form of a well-written essay.

NOTE: The department does not guarantee that all of the following courses will be offered every year.

WRITING

English 100. EXPOSITORY WRITING AND RESEARCH

Frequent assignments in reading and writing expository prose, combined with a brief review of grammar, conferences with the instructor, and intensive consideration of techniques of research and documentation. 3 periods a week; 3 credits. The Staff.

English 101. INTRODUCTION TO LITERATURE AND COMPOSITION

An introduction to literary analysis, with close reading and careful written analysis of selections from poetry and fiction. Continued emphasis on techniques of composition combined with a

study of the methods of literary criticism. 3 periods a week; 3 credits. The Staff.

(NOTE: Both English 100 and 101 are REQUIRED OF ALL STUDENTS; English 100 is prerequisite to all other English courses; English 101 may, with the permission of the department chairman, be taken concurrently with other English courses.)

English 110. INTRODUCTION TO JOURNALISM

Fundamentals of reporting, writing, and editing for the print press. Combines lecture and discussion with practical work on *The Rotunda*. Texts

include national newspapers and magazines. Some attention to feature writing and writing to the electronic media, and to history and theory of journalism. Required for certification. 3 credits. Mr. Woods.

English 210. DEPTH REPORTING AND FEATURE WRITING

Review of basic newswriting. Introduction to investigative reporting. Extensive practice in writing of editorials, "op-ed" columns, feature stories, and arts and media reviews. 3 credits. Mr. Woods.

English 211. WRITING WORKSHOP I

The short story, the novel, and narrative description. 3 periods a week; 3 credits. Mr. Douglas.

English 212. WRITING WORKSHOP II Fiction or poetry. Continuation of Workshop I with greater emphasis on independent work and conferences. 3 periods a week; 3 credits. Mr. Douglas, Mr. Woods.

English 310. NARRATIVE NONFICTION AND THE LITERATURE OF FACT

A nonfiction writing workshop based on a study of the literary development of the New Journalism. Students learn the careful application of fictional techniques to the writing of their own nonfiction through projects that lead to full-length articles and essays. One three-hour seminar weekly. 3 credits. Mr. Woods.

English 415. ADVANCED COMPOSITION AND ANALYSIS OF LITERARY GENRES

An indepth course in written composition, organized along seminar lines, the courses will cater to the particular weakness of the individual student, with an equal emphasis on literature and composition. (The English Department reserves to itself the right to waive this requirement for individual majors. See exemption policy on previous page.) 3 periods a week; 3 credits. Miss Craft, Miss May, Mr. Vest.

LITERATURE

English 109. CONTEMPORARY STUDIES

The Literature of Outer Space. A study of various kinds of writing about outer space and of various poetic attempts to account for the origin and nature of the universe and of the relationship between theories of the universe and theories of poetry. Works studied will range from ancient to contemporary; some examples are the cosmogony of Lucretius, Poe's *Eureka*, Dante's *Divine Comedy*, Blake's prophetic writings, etc. Some attention is given to astrology in literature and to contemporary science-fiction. Recommended for students seeking to fulfill general education requirements. 3 periods a week; 3 credits. Mr. Vest.

God Spells. Readings in modern secular literature containing various ideas

of supreme reality. 3 periods a week; 3 credits. Miss Craft.

Man and Society: The Poet's Vision. A thematic consideration of selected poets, designed to reveal poetry as a vehicle for social commentary. 3 periods a week; 3 credits. Miss Sprague.

Modern Fantasy. A survey of major 20th century fantasy, including the works of J.R.R. Tolkien, C.S. Lewis, Ursula LeGuin, and others. 3 periods a week; 3 credits. Miss McKinney.

English 120, 121. SURVEY OF ENGLISH LITERATURE

The literature of England from the Old English periods into the 20th century. 3 periods a week; 3 credits each semester. Miss Craft, Mr. Frank, Mr. Lund, Miss May, Miss Sprague, Mr. Stinson, Mr. Stuart.

English 140, 141. SURVEY OF AMERICAN LITERATURE

First semester: selected American writers from Emily Dickinson to William Faulkner. 3 periods a week; 3 credits each semester. Miss Cook, Mr. Frank, Mrs. Sneller, Mr. Sowder, Mr. Stinson, Mr. Vest.

English 150. AMERICAN MINORITY LITERATURE

A survey of the poetry, drama, and fiction produced by such American minorities as the Black, Indian, Chicano, and Asian, and their place in the mainstream of American literature. 3 periods a week; 3 credits. The Staff.

English 160, 161. SURVEY OF WORLD LITERATURE

Selected figures, types and themes of world literature from the Greek Period to modern times. 3 periods a week; 3 credits each semester. Mr. Hevener, Miss Hosey, Mr. Orth.

English 163. THE BIBLE AS LITERATURE

The Old and New Testament as works of literature. 3 periods a week; 3 credits. Mr. Hevener.

English 220. LITERARY CRITICISM

A historical survey of the major critical statements and approaches from Plato and Aristotle to such contemporary works as *The Poetics of Space* and *The Psychoanalysis of Fire* by Bachelard. 3 periods a week; 3 credits. Mr. Vest.

English 221. THE ENGLISH NOVEL TO 1920

Development of the English novel from Defoe to Henry James. 3 periods a week; 3 credits. Mr. Lund, Mr. Stinson, Mr. Stuart.

English 222. MODERN BRITISH NOVEL

The development of the British novel since 1920. Lawrence, Woolf, Huxley, Beckett, Greene, Sillitoe, and Burgess will be included. 3 periods a week; 3 credits. Miss McKinney, Mr. Stuart.

English 223. (Dramatic Arts 223. SHAKESPEARE

A study of twelve of Shakespeare's plays, selected to illustrate his development as a dramatist and the importance of the drama in Elizabethan England. 3 periods a week; 3 credits. Miss Craft, Miss May.

English 240. THE AMERICAN NOVEL

Historical development of form and theme in the American novel. Romanticism, realism, and naturalism, to be considered in some depth. 3 periods a week; 3 credits. Miss Cook, Mr. Frank, Mrs. Sneller.

English 241. THE CONTEMPORARY NOVEL

A study of the recent British and American novels, with emphasis on the American novel since 1945. The course will include such authors as Ellison, Hawkes, Updike, Mailer, Nabokov, Vonnegut, Bellow, Salinger, and Golding. 3 periods a week; 3 credits. Mr. Stuart.

English 242. MODERN POETRY

American and British poetry of the 20th century with emphasis upon modern American poets. 3 periods a week; 3 credits. Miss Cook, Mr. Stinson, Mr. Stuart, Mr. Vest.

English 243. POPULAR WRITING IN AMERICA

A study of the relationship between author and audience in popular writing, with consideration of the formal conventions of genre fiction (SF, suspense, Western, etc.). Special topics may include history of magazines, the phenomenon of best sellers, and the emergence of the classic literature of one period from the popular writing of another. 3 periods a week; 3 credits. Mr. Woods.

English 256. (Art 256). FILM STUDIES I: HISTORY

A survey of the first fifty years of the motion picture with emphasis upon the major directors of America, Germany, Russia, and France. 3 periods a week; 3 credits. Mrs. Schrader-Hooker.

English 257. (Art 257). FILM STUDIES II: GENRE

A study of the avant-garde, documentary, and fiction film with emphasis upon American and foreign filmmakers. 3 periods a week; 3 credits. Mrs. Schrader-Hooker.

English 260. MYTHOLOGY

The course provides a survey of major myths of the world with emphasis on the Greco-Roman contribution. The mythopoeic genius is studied in its source, manifestations, and influence upon literature. 3 periods a week; 3 credits. Miss Hosey.

English 267. (Dramatic Arts 267). WORLD DRAMA

A study of the forms and types of representative plays in the main current of world drama from its beginning to Goethe. In sequence with English 268 and 269. 3 periods a week; 3 credits. Mr. Lockwood.

English 268. (Dramatic Arts 268). MODERN EUROPEAN DRAMA

A study of the European theatre from Goethe through Shaw. In sequence with English 267 and 269. 3 periods a week; 3 credits. Mr. Lockwood.

English 269. (Dramatic Arts 269). CONTEMPORARY DRAMA

A literary study of European and American drama that has made the greatest theatrical, literary, and/or social impact in recent years. 3 periods a week; 3 credits. Mr. Young.

English 280. CHILDREN'S LITERATURE

A course designed to assist students preparing to teach in the elementary schools in the selection and evaluation of books and other forms of media appropriate to this age level and in the use of poetry, prose, and other media in the elementary classroom; includes a survey of children's literature. This course will not contribute toward the English requirement for general education. 3 periods a week; 3 credits. Miss Cook, Mrs. Sneller, Mr. Stinson.

English 281. LITERATURE FOR YOUNG ADULTS

A course designed to assist students preparing to teach in the secondary schools in the selection and evaluation of books for this age level, including adult books and classics, as well as other forms of media which might be used in the secondary classroom. This course will not contribute toward the English requirement for general education. 3 periods a week; 3 credits. Mrs. Sneller, Mr. Stinson.

English 295. THE SHORT STORY

A study of the modern short story as a literary form. 3 periods a week; 3 credits. Mr. Douglas, Mr. Vest.

English 296. CRITICAL APPROACHES TO THE MASS MEDIA

An introduction to communications theory and to mass media as "new languages." Examination of established and alternative print and electronic media as social forces and aesthetic objects. Students will explore the form and content of print press, advertising, film, radio/TV, rock and pop recordings, and the like. 3 credits. Mr. Woods.

English 320. SIXTEENTH CENTURY POETRY AND PROSE

A survey of non-dramatic poetry and prose. 3 periods a week; 3 credits. Miss May.

English 321. SEVENTEENTH CENTURY POETRY AND PROSE, EXCLUSIVE OF MILTON

Donne, Jonson, Herrick, Herbert, Marvell, and other poets, with selected prose writers. Prerequisite: English 120, 121 or consent of instructor. 3 periods a week; 3 credits. Miss May.

English 322. ENGLISH LITERATURE OF THE 18th CENTURY

A survey of neo-classical poetry and prose with emphasis on Defoe, Addison, Steele, Swift, Pope, Richardson, Fielding, Johnson, and Goldsmith. Prerequisite: English 120, 121 or consent of instructor. 3 periods a week; 3 credits. Miss Craft.

English 323. MAJOR BRITISH ROMANTIC POETS

Wordsworth, Coleridge, Byron, Keats, Shelley. Prerequisite: English 120, 121 or consent of instructor. 3 periods a week; 3 credits. Mr. Stinson.

English 360. THE EPIC IN TRANSLATION

A close reading of *The Iliad*, *The Odyssey*, and *The Aeneid*, with consideration of other epics chosen from classical and world literature. 3 periods a week; 3 credits. Miss Hosey.

English 361. GREEK AND ROMAN LITERATURE IN TRANSLATION

Readings from Greek and Roman drama, history, philosophy and biography. 3 periods a week; 3 credits. Miss Hosey.

English 362. EARLY CHINESE AND JAPANESE LITERATURE

(In translation) An introduction to the early philosophical literature, poetry, and prose of China and Japan. 3 periods a week; 3 credits. The Staff.

English 363. DEVELOPMENT OF JAPANESE FICTION

(In translation) A study of Japanese fiction from its beginnings to the modern period. 3 periods a week; 3 credits. The Staff.

English 365, 366. CONTINENTAL LITERATURE

First semester: ancient medieval, and Renaissance European classics in translation; second semester: European literature of the neo-classical romantic, and modern periods in translation. Prerequisite: 6 hours of credit in English or foreign language literature beyond the freshman level. 3 periods a week; 3 credits each semester. Miss Hosey, Mr. Stuart.

English 367. JAPANESE DRAMA

An introductory study of classical and modern Japanese dramatic forms

and dramatic literature in translation, with special attention given to the Noh, Kabuki and puppet theatres. Audio-visual materials will supplement lectures and discussions. 3 periods a week; 3 credits. The Staff.

English 430. STUDIES IN BRITISH POETRY

Hopkins, Yeats, Thomas. A consideration of post-romantic theories of poetic language and form. Emphasis will be given to the evolution of Yeats' poetry. 3 periods a week; 3 credits. Mr. Stuart.

English 440. STUDIES IN MODERN AMERICAN POETRY

Major developments in contemporary American poetry. Stevens and Crane or Eliot, Pound, Williams. 3 periods a week; 3 credits. Mr. Stuart.

English 450. SOUTHERN WOMEN WRITERS

A study of works by such writers as Katherine Anne Porter, Eudora Welty, Flannery O'Connor, and others. 3 periods a week; 3 credits. Miss Cook, Mr. Vest.

English 497, 498. INDEPENDENT STUDY

A directed reading and/or research program administered by qualified specialists in the department. The student must secure the director's approval prior to registering for this course. 3 credits per semester. The Staff.

LINGUISTICS, LANGUAGE STUDY, AND TEACHING

English 282. TRADITIONAL GRAMMAR AND MODERN ENGLISH GRAMMAR

Three periods a week; 3 credits. Mr. Douglas, Miss McKinney, Mrs. Tinnell.

English 480. THE TEACHING OF ENGLISH

A study of current practices with emphasis on specific techniques and materials. 3 periods a week; 3 credits. Mr. Hevener, Mrs. Sneller.

English 481, 482. READING AND EVALUATION OF WRITTEN WORK

A tutorial course designed to prepare the teaching candidate to determine the effectiveness of English Composition. Permission of instructor required. 1 period a week; 1 credit per semester. The Staff.

DIRECTED TEACHING OF ENGLISH IN THE HIGH SCHOOL

Students majoring in English, preparing to teach English in the high school, carry on directed teaching in this field during their senior year as Education 400, under a general supervisor, supervising teacher, and a consultant in the Department of English. Consultants: Mr. Frank, Mr. Hevener, Miss Hosey, Mrs. Sneller.

COMMUNICATIONS

Although Longwood College does not offer a major in Communications, several academic departments do offer on a regular basis courses that parallel Communication courses offered at other colleges and universities. Students who are interested in preparing for careers in journalism, the media, advertising, and public relations, and students who expect either to teach or to undertake graduate study in these and related areas, should include among their electives some of the following courses that would meet their career goals. The complete course description, including prerequisites, if any, can be found under the individual department listing.

Communication 101. (Speech 101)

Communication 110. (English 110)

Communication 120. (Art 120)

Communication 155. (Art 155)

Communication 160. (Art 160)

Communication 200. (Speech 200)

Communication 205. (Mathematics 205)

Communication 210. (English 210)

Communication 211. (English 211)

Communication 212. (English 212)

Communication 220. (Business 220)

Communication 221. (Art 221)

Communication 256. (English 256)

Communication 257. (English 257)

Communication 258. (Art 258)

Communication 296. (English 296)

Communication 301. (Library Science 301)

Communication 311. (Speech 311)

*Communication 356. * (Business 356)*

Communication 400. (Library Science 400)

Communication 454. (Business 454)

Communication 547. (Education 547)

(*Students taking 356 should have previous typing experience or should take Business 121 prior to enrolling in 356.)

PHILOSOPHY

A minor in philosophy is offered by the philosophy faculty of the Department of English and Philosophy. Twenty-one semester hours are required in this program. The central core, composed of 5 courses (15 hours) is designed to give the student exposure to the standard problems of philosophy, especially ethics, together with skill in logic and a broad background in the history of western philosophy.

The five courses required for a philosophy minor are: Philosophy 200, 215, 216, 300, and 305. The remaining six hours to complete the minor in philosophy may be chosen from the following: Philosophy 320, 350, 360, and 365. (Courses in religious studies are offered to interested students as electives only.)

Philosophy 200. INTRODUCTION TO PHILOSOPHY

Critical examination of basic problems of philosophy with attention to the development of a system of beliefs. Modern and contemporary readings. 3 periods a week; 3 credits. Mr. Peale.

Philosophy 215. HISTORY OF WESTERN PHILOSOPHY: ANCIENT AND MEDIEVAL

A survey of the development of European thought from its early Greek origins to the Renaissance. 3 periods a week; 3 credits. Mrs. Savage.

Philosophy 216. HISTORY OF WESTERN PHILOSOPHY: MODERN AND CONTEMPORARY

A survey of the development of European thought from the Renaissance to the present. 3 periods a week; 3 credits. Mrs. Savage.

Philosophy 300. LOGIC

The fundamentals of deduction and induction which aid the student in developing habits of valid thinking and in understanding the scientific method. 3 periods a week; 3 credits. Mr. Peale, Mrs. Savage.

Philosophy 305. ETHICS

A critical examination of normative ethical principles and of how they may be employed to resolve current moral problems. Modern and contemporary readings. 3 periods a week; 3 credits. Mr. Peale.

Philosophy 320. AMERICAN THOUGHT

A survey of the development of American philosophy from its colonial beginnings to the present. 3 periods a week; 3 credits. Mrs. Savage.

Philosophy 350. AESTHETICS

A study of theories of art and beauty, including the relation between beauty and the arts, the function and value of the arts in culture, and standards for criticism and judgments of beauty. 3 periods a week; 3 credits. Mrs. Savage.

Philosophy 360. PHILOSOPHY OF RELIGION

A critical examination of certain problems in religion, including the nature of religion, grounds for belief and disbelief in God, the varieties of religious experience and immortality. Classical, modern and contemporary sources. 3 periods a week; 3 credits. Mr. Peale.

Philosophy 365. PHILOSOPHY OF SCIENCE

An examination of the interrelation of science and culture in early, modern and contemporary times from the perspective of basic philosophical questions. 3 periods a week; 3 credits. Mrs. Savage.

Philosophy 490. INDEPENDENT STUDY

A directed reading and/or research program on a topic in philosophy selected by the student and approved by the director. 3 credits. Mr. Peale, Mrs. Savage.

RELIGIOUS STUDIES

Religious Studies 240. COMPARATIVE RELIGIONS – FAR EASTERN

A survey of the religions of India, China, Japan and Southeast Asia. This course will begin with a brief discussion of primitive and extinct religions in order to establish a base from which to discuss the development of religions in the Far East. Most of the course will be historically ordered although the final portion of the course will deal with religious topics comparatively (e.g. the meaning and nature of salvation). 3 periods a week; 3 credits. Miss Craft.

Religious Studies 241. COMPARATIVE RELIGIONS – NEAR EASTERN, MIDDLE EASTERN, AND WESTERN

A survey of the religions originating in these areas with primary consideration of Judaism, Christianity and Islam. The course will begin with a brief consideration of what religion is and aims to do and will conclude with a comparative discussion of religious issues as found in the religions studied historically. 3 periods a week; 3 credits. Miss Craft.

Religious Studies 245. INTRODUCTION TO THE OLD TESTAMENT

A study of the Old Testament with special attention to the historical background of Israel's faith; the distinctive contributions of particular books; the relevance of such approaches to the material as literary analysis; tradition, history and form criticism; and the development of major religious themes. 3 periods a week; 3 credits. The Staff.

Religious Studies 250. THEMES IN BIBLICAL LITERATURE

An introductory study of selected recurring themes in the history of salvation in both the Old and New Testaments. An "historicist perspective" on these themes is developed. Readings in the Bible, in biblical criticism, in

modern and contemporary theology and in literature on being a Christian. 3 periods a week; 3 credits. Mr. Peale.

Religious Studies 400. INDEPENDENT STUDY

A directed reading and/or research program on a topic or thinker in religious studies selected by the student and approved by the director. 3 credits. Miss Craft, Mr. Peale.

For Juniors, Seniors, and Graduate Students

English 510. CREATIVE WRITING

Experience in both traditional and contemporary techniques of poetry; extensive classroom analysis of poems by students. Some emphasis on problems in the teaching of creative writing. Attention will also be given to the practical and professional aspects of poetry writing, including instruction in how to submit manuscripts, a general survey of the current publishing situations, and a thorough introduction to reference tools for writers. Occasionally the course may concern itself with fiction. 3 periods a week; 3 credits. Mr. Vest.

English 520. MIDDLE ENGLISH LITERATURE

A study of English literature from the Norman Conquest to Malory, exclusive of Chaucer. 3 periods a week; 3 credits. Miss Craft.

English 521. ARTHURIAN LITERATURE

A comparative study of Arthurian materials of various countries from the medieval through the modern periods. 3 periods a week; 3 credits. Miss Craft.

English 522, 523. CHAUCER

A study of Chaucer's major poetry, with emphasis on *Troilus and Criseyda* in one semester, and on *The Canterbury Tales* in the other. Prerequisite: English 120, 121 or consent of instructor. 3 periods a week; 3 credits. Miss Sprague.

English 524, 525. (Dramatic Arts 524, 525). SHAKESPEARE
A chronological study of Shakespeare's works. 3 periods a week; 3 credits. Miss May.

English 526. MILTON
A study of Milton's thoughts, to include a close reading of *Paradise Lost*, *Paradise Regained*, *Samson Agonistes*, and important minor poems and selected prose. Prerequisite: English 120 or consent of instructor. 3 periods a week; 3 credits. Miss May.

English 527. (Dramatic Arts 527). ENGLISH DRAMA TO 1642
A study of the origin and development of English Drama from the Middle Ages until the closing of the theaters in 1642. 3 periods a week; 3 credits. Miss Craft.

English 530, 531. LITERATURE OF THE VICTORIAN AGE
A study of the major literary figures of the Victorian Age, with emphasis on Tennyson, Browning, Arnold, Rossetti, Swinburne, Carlyle, Macaulay, Ruskin, and Pater; some attention to be given to the major novelists. Prerequisite: English 120, 121 or consent of instructor. 3 periods a week; 3 credits. Miss Sprague.

English 532. MODERN BRITISH AND AMERICAN POETRY
Intensive reading of selected British and American poets stressing the intellectual background and coherence of their work. Some emphasis will be given to critical method. Yeats, Thomas, and Wallace Stevens are figures which have been read. 3 periods a week; 3 credits. Mr. Stuart.

English 533. YEATS AND JOYCE
A study of the complete poems of Yeats and novels of Joyce, primarily *Portrait* and *Ulysses*, with a consideration of the general Irish revival. 3 periods a week; 3 credits. Mr. Stuart.

English 540. THE LITERARY REPUTATIONS OF NINETEENTH CENTURY AMERICAN NOVELISTS
An intensive study of the major works of Hawthorne, Melville, Clemens, and James. 3 periods a week; 3 credits. Mr. Frank.

English 542. THEORY OF FICTION
Survey of fiction, primarily British and American, with particular attention to theoretical concerns of novelists and critics which have shaped the novel throughout its history. 3 periods a week; 3 credits. Mr. Lund.

English 550. LITERATURE OF THE SOUTH
A survey of literature produced in the south from 1607 to the present, with emphasis on Poe, the Nashville Agrarians, and Faulkner. 3 periods a week; 3 credits. Mr. Sowder, Mr. Vest.

English 551. POE AND HIS INFLUENCE
Edgar Allan Poe's achievement as a poet, critic, novelist, and writer of tales, together with a study of his impact upon such figures as Baudelaire, Valery, Eliot, Tate, and Borges. Special consideration is given to Poe's effect upon the New Criticism. 3 periods a week; 3 credits. Mr. Vest.

English 552. FAULKNER
A study of his major novels, with emphasis on the Yoknapatawpha cycle. 3 periods a week; 3 credits. Mr. Vest.



English 570. HISTORY OF THE ENGLISH LANGUAGE
A survey of the language from its beginnings to its present-day state. Old, Middle, Early Modern, and Modern English. 3 credits. Miss Craft.

English 580. PROBLEMS IN THE TEACHING OF HIGH SCHOOL ENGLISH
Solutions are sought to the major problems in the teaching of high school literature, language, and composition. Open only to undergraduate students who have completed practice teaching and graduate students holding the Collegiate Professional Certificate. NOTE: This course will not contribute toward the 30-hour English major requirement. 3 periods a week; 3 credits. Mr. Hevener.

English 581. PRACTICAL LITERARY CRITICISM
A study of the various methods of evaluating literature. Historical, humanistic, philosophical, and formalistic approaches demonstrated in the criticism of the selected works. 3 periods a week; 3 credits. Mr. Hevener.

English 582. LITERATURE FOR YOUNG ADULTS
A course designed to assist students preparing to teach in the secondary schools in the selection and evaluation of books for this age level, including adult books and classics, as well as other forms of media which might be used appropriately in the secondary classroom. This course will not contribute toward the English requirement for general education. (Students who take English 281 may not take English 582 for credit.) 3 periods a week; 3 credits. Mrs. Sneller, Mr. Stinson.

DEPARTMENT OF FOREIGN LANGUAGES
Anita B. Ernouf, *Chairman*

The Department of Foreign Languages offers courses in French, German, Latin, and Spanish. Majors may be taken in French or Spanish. Majors in these languages must complete 24 hours in the language beyond the intermediate course. These hours must include courses numbered 241, 242, 402, and 12 additional hours. In French, six of these 12 hours must be in non-survey literature courses. In Spanish, of these 12 hours three hours each must be selected from the areas of Spanish-American Literature (331, 332, 431), Golden Age Literature (441, 442) and Modern Peninsular Literature (461, 462, 471, 472). Courses numbered 241, 242 are prerequisite to other literature courses in the language. Those preparing to teach must take the methods course. Supporting courses are recommended in the other humanities. Study of a second foreign language is strongly recommended.

LONGWOOD IN EUROPE awards six credits in French upon successful completion of its summer program. Credit may be earned in all French courses, excluding methods (400), the general survey of literature (241, 242), and the periods survey courses.

A student who plans to take courses abroad is required, in order to receive credit, to submit well in advance to the chairman of the department and to the Assistant Dean of the College a written statement describing the plan under which the student expects to study.

FRENCH

French 111-112. BEGINNING FRENCH

A balanced program in understanding, speaking, reading and writing proficiency within the framework of a first-year college program. Two hours of laboratory practice required weekly. No credit given to a student with two or three years of secondary school study in the language. 3 periods a week; 4 credits each semester. The Staff.

French 121- 122. INTERMEDIATE FRENCH

Readings in aspects of French civilization and introductory literary texts. Review of grammar. Laboratory practice. Prerequisite: French 111-112 or equivalent. Does not fulfill the general education requirement in literature. 3 periods a week; 3 credits each semester. Mr. Maurice.

French 121A, 122A. SUPPLEMENTARY INTERMEDIATE FRENCH

An optional two-hour supplement to be taken concurrently with French 121-122 by students with insufficient background for 121-122, but who cannot receive credit in 111-112. 2 periods a week; no credit. The Staff.

French 200. BASIC TRANSLATION

A basic course in the technique of translation for the career-oriented student. Materials chosen will be taken from the fields of advertising, biology,

and business. Particularly recommended for majors in business and pre-nursing. Individualized instruction. Minimum requirement: two years of high school French. 3 periods a week; 3 credits. Mr. Maurice.

French 220. FRENCH CONVERSATION AND COMPOSITION

Extensive practice in speaking and writing French through dialogues, discussions and compositions. Laboratory practice required. Prerequisite: French 121-122 or advanced placement. Does not satisfy the general education requirement in literature. 3 periods a week; 3 credits. Mrs. Vest.

French 230. CIVILIZATION AND CULTURE

A study of French civilization and culture, with emphasis on social institutions of the 20th century. Prerequisite: French 121-122 or advanced placement. Does not fulfill the general education requirement in literature. 3 periods a week; 3 credits. Mrs. Vest.

French 241, 242. A SURVEY OF FRENCH LITERATURE

Fall: Origins through the Eighteenth Century; spring: Nineteenth and Twentieth Centuries. Prerequisite: French 121-122 or advanced placement. This course is prerequisite to other literature courses. With permission of the department it may be taken concurrently with other French literature courses. 3 periods a week; 3 credits. Mr. Maurice.

French 341. PROSE AND POETRY OF THE SEVENTEENTH CENTURY
Literary trends in French Classicism. Study in depth of Descartes, Pascal, LaFontaine. 3 periods a week; 3 credits. The Staff.

French 342. DRAMA OF THE SEVENTEENTH CENTURY
Classicism applied to the theatre. Corneille, Racine, Moliere. 3 periods a week; 3 credits. The Staff.

French 351. THE AGE OF ENLIGHTENMENT

The crises of conscience at the beginning of the Eighteenth Century. Marivaux, Montesquieu, Diderot, Voltaire, the Encyclopedists. 3 periods a week; 3 credits. The Staff.

French 352. SENTIMENT AND PRE-ROMANTICISM

Literature of the last half of the Eighteenth Century. Rousseau, Buffon, Chenier, Beaumarchais; literature of the Revolution. 3 periods a week; 3 credits. The Staff.

French 400. METHODS OF TEACHING FRENCH

Recommended to be taken in the junior year. 3 periods a week; 3 credits. Mrs. Ernouf.

French 401. ADVANCED GRAMMAR AND COMPOSITION

A review course; limited to juniors and seniors. Recommended to be taken before student teaching. 3 periods a week; 3 credits. Mr. Maurice.

French 402. ADVANCED CONVERSATION AND PHONETICS

Theory and practice in the spoken language. Valid techniques and their uses in attaining mastery of oral French. 3 periods a week; 3 credits. Mr. Maurice.

French 461, 462. LITERATURE OF THE NINETEENTH CENTURY

Romanticism, Realism, Naturalism, and the Parnassian and Symbolist movements. 3 periods a week; 3 credits each semester. Mr. Maurice.

French 471. LITERATURE OF THE TWENTIETH CENTURY

Main Currents: 1900-1949. Study of Gide, Proust, Claudel, Valery, Peguy, Surrealism, Malraux, Mauriac, Green, Saint-Exupery. 3 periods a week; 3 credits. Mr. Maurice.

French 472. CONTEMPORARY FRENCH LITERATURE

Literature since 1940. Existentialism, avant-garde theatre, New Novel, poetry, cinema. 3 periods a week; 3 credits. Mr. Maurice.

French 491, 492. SPECIAL TOPICS IN LITERATURE AND CIVILIZATION

The topics will rotate on a regular basis from semester to semester. Prerequisite: senior standing or permission of instructor. 3 periods a week; 3 credits each semester. The Staff.

French 521. DIRECTED STUDY

Individualized study; recommended only when material cannot be studied in scheduled courses. By permission of department chairman. No more than 6 credits may be earned in 521. The Staff.

GERMAN

German 111-112. BEGINNING GERMAN

A balanced program in understanding, speaking, reading and writing proficiency within the framework of a first year college program. No credit given to a student with 2 or more years of secondary school study of the language. 3 periods lecture, 2 periods laboratory per week; 4 credits each semester. Mr. Orth.

German 121-122. INTERMEDIATE GERMAN

Readings from contemporary German literature. Review of grammar. Laboratory practice. Prerequisite: German 111-112 or equivalent. Does not fulfill the general education requirement in literature. 3 periods a week; 3 credits. Mr. Orth.

German 220. GERMAN CONVERSATION AND COMPOSITION

Extensive practice in speaking and writing German through dialogue, discussions and compositions, Laboratory practice required. Prerequisite: German 121-122 or advanced placement. Does not satisfy the general education requirement in literature. 3 periods a week; 3 credits. Mr. Orth.

German 230. CIVILIZATION AND CULTURE

A study of German civilization and culture, with emphasis on social institutions of the 20th century. Prerequisite: German 121-122 or advanced placement. Does not fulfill the general education requirement in literature. 3 periods a week; 3 credits. Mr. Orth.

German 241, 242. INTRODUCTION TO GERMAN LITERATURE

Survey of German literature from the Enlightenment to the present. Prerequisite: German 121-122 or advanced placement. This course is prerequisite to all other literature courses. With permission of the department, it may be taken concurrently with other German literature courses. 3 periods a week; 3 credits. Mr. Orth.

German 400. METHODS OF TEACHING GERMAN

Recommended to be taken in the junior year. 3 periods a week; 3 credits. Mrs. Ernouf.

German 401. ADVANCED GRAMMAR AND COMPOSITION

A review course; limited to juniors and seniors. Recommended to be taken before student teaching. 3 periods a week; 3 credits. The Staff.

German 402. ADVANCED CONVERSATION AND PHONETICS

Theory and practice in the spoken language. Valid techniques and their uses in attaining mastery of oral German. 3 periods a week; 3 credits. The Staff.

German 411, 412. TOPICS IN GERMAN LITERATURE

The topic will depend on the needs of the advanced students of German during a given semester. Topics include: the age of Goethe, the 19th and 20th centuries, German literature prior to 1750, drama, the *Novelle*, the novel and lyric poetry. 3 periods a week; 3 credits each semester. The Staff.

German 521. DIRECTED STUDY

Individualized study; recommended only when material cannot be studied in scheduled courses. By permission of department chairman. 3 credits. The Staff.

LATIN

Latin 100. BEGINNING LATIN

Emphasis on learning to read simple Latin along with the elements of Latin grammar. Attention is given to English words derived from Latin and a basic understanding of Roman Civilization. No credit given to a student with two or more years of secondary school study in the language. 3 periods a week; 3 credits. Miss Hosey.

Latin 200. BASIC TRANSLATION
A basic course in the techniques of translation for the career-oriented student. Particularly recommended for students in pre-law, pre-medical studies, pre-pharmacy and for students interested in pursuing graduate work. Minimum requirement: two years of high school Latin. 3 periods a week; 3 credits. Miss Hosey.

SPANISH

Spanish 111-112. BEGINNING SPANISH

A balanced program in understanding, speaking, reading and writing proficiency within the framework of a first year college program. No credit given to a student with two or more years of secondary school study in the language. 2 hours laboratory practice required weekly; 3 periods a week; 4 credits each semester. Mrs. Silveira.

Spanish 121-122. INTERMEDIATE SPANISH

Readings in aspects of Spanish and Latin American civilization. Review of grammar. Laboratory practice. Prerequisite: Spanish 111-112 or equivalent. Does not fulfill the requirement in literature. 3 periods a week; 3 credits each semester. Mrs. Silveira.

Spanish 121A, 122A. SUPPLEMENTARY INTERMEDIATE SPANISH

An optional two-hour supplement to be taken concurrently with Spanish 121-122 by students with insufficient background for 121-122, but who cannot receive credit in 111-112. 2 periods a week; no credit. The Staff.

Spanish 220. SPANISH CONVERSATION AND COMPOSITION

Extensive practice in speaking and writing Spanish through dialogues, discussions and compositions. Laboratory practice required. Does not satisfy the general education requirement in literature. 3 periods a week; 3 credits. Mrs. Silveira.

Spanish 230. HISPANIC CIVILIZATION AND CULTURE

A study of Hispanic civilization and culture which emphasizes the history and art of Spain. 3 periods a week; 3 credits. Mrs. Silveira.

Spanish 241, 242. A SURVEY OF SPANISH LITERATURE

Prerequisite: Spanish 121-122 or advanced placement. This course is prerequisite to other literature courses. 3 periods a week; 3 credits. Mrs. Ernouf.

Spanish 331, 332. A SURVEY OF SPANISH AMERICAN LITERATURE

A study of representative authors from the colonial period to the present. 3 periods a week; 3 credits each semester. Mrs. Silveira.

Spanish 400. METHODS OF TEACHING SPANISH

Recommended to be taken in the junior year. 3 periods a week; 3 credits. Mrs. Ernouf.

Spanish 401. ADVANCED GRAMMAR AND COMPOSITION

A review course; limited to juniors and seniors. Recommended to be taken before student teaching. 3 periods a week; 3 credits. Mrs. Ernouf.

Spanish 402. ADVANCED CONVERSATION AND PHONETICS

Theory and practice in the spoken language. Valid techniques and their uses in attaining a mastery of oral Spanish. 3 periods a week; 3 credits. Mrs. Ernouf.

Spanish 431. SPANISH AMERICAN NOVEL

A study of representative authors of Spanish America. 3 periods a week; 3 credits. Mrs. Silveira.

Spanish 441. GOLDEN AGE DRAMA AND POETRY

A study of representative poets and dramatists of the Sixteenth and Seventeenth centuries. 3 periods a week; 3 credits each semester. Mrs. Ernouf.

Spanish 442. GOLDEN AGE PROSE

Representative genres and authors of the Sixteenth and Seventeenth centuries. 3 periods a week; 3 credits. Mrs. Ernouf.

Spanish 461. NINETEENTH CENTURY THEATRE AND POETRY

Three periods a week; 3 credits. Mrs. Ernouf.

Spanish 462. NINETEENTH CENTURY NOVEL

Three periods a week; 3 credits. Mrs. Ernouf.

Spanish 471. TWENTIETH CENTURY LITERATURE: THE GENERATION OF '98 AND MODERNISM

Three periods a week; 3 credits. Mrs. Ernouf.

Spanish 472. TWENTIETH CENTURY LITERATURE: THE GENERATION OF '27 AND CONTEMPORARY LITERARY TRENDS

Three periods a week; 3 credits. Mrs. Ernouf.

Spanish 491, 492. SPECIAL TOPICS IN LITERATURE AND CIVILIZATION

The topics will rotate on a regular basis from semester to semester. Prerequisite: senior standing or permission of instructor. 3 periods a week; 3 credits each semester. The Staff.

Spanish 521. DIRECTED STUDY

Individualized study. Recommended only when material cannot be studied in scheduled courses. By permission of department chairman. No more than 6 credits may be earned in 521. 3 credits. The Staff.

DEPARTMENT OF SPEECH AND DRAMATIC ARTS

Patton Lockwood, *Chairman*

The department offers a major in dramatic arts and, in conjunction with the University of Virginia, the department also offers a program that leads to a major in speech pathology. This major requires the student to spend three years at Longwood College, and a fourth year in residence on the campus of the University of Virginia.

Courses in speech offer the student an opportunity to learn to express ideas clearly, logically, and persuasively. In addition to its major program, the department offers to all students with varying interests basic courses to develop these skills: public speaking, oral interpretation, and forensics (Speech 101, 312, 403). These courses may be selected without prerequisite, and are designed for those planning to enter occupations which require effective speech communication such as teaching, business administration, personnel work, social work, and government service. These courses provide training in gathering, analyzing, and organizing evidence, with proper regard for logical and psychological factors important in audience situations, and in developing effective delivery. Videotape facilities are available and may be used in evaluating speech performance.

The dramatic arts major offers the student an opportunity to explore all facets of theatrical work. The program provides the student with a balanced study program that includes the learning of performance and technical skills as well as literary and historical traditions that are unique to the theatre. The program is designed to train students and directors in an educational setting. Students should develop a professional attitude toward their work, an appreciation of good theatre and dramatic literature, and critical standards of judgment through course work and participation in major theatre productions as performers or technicians.

For non-majors, courses in the dramatic arts offer the student an insight into human character and life as reflected in dramatic literature, and create an awareness of the relationship of theatre to the individual's life, the society, and the human condition. Non-majors may also participate and receive academic credit for work in the major theatrical productions of the Longwood Players and the Department of Speech and Dramatic Arts.

Certification

For English majors desiring certification in speech or dramatic arts, six additional semester hours are required in each field beyond the basic 30 semester hours in English. Certification to teach separately speech or dramatic arts requires 12 semester hours of work in each field. For speech the 6 or 12 hours may be obtained from any of the course offerings in speech, for dramatic arts the 6 hours must be obtained from Dramatic Arts 201 and 202, and the 12 hours will include Dramatics 201, 202, 300, and 301.

NOTE: The department does not guarantee that all of the following courses will be offered every year.

SPEECH

Speech 100. VOICE AND DICTION

Study of the vocal mechanism and voice production. Analysis of the sounds of American English through phonetic study. Improvement of personal speech skills through reading exercises. 3 periods a week; 3 credits. Mr. Woodburn.

Speech 101. FUNDAMENTALS OF PUBLIC SPEECH

An introductory study of effective and responsible speaking. Provisions will be made for practical application. 3 periods a week; 3 credits. The Staff.

Speech 111. BROADCASTING

Principles and procedures of radio station organization and operation. Analysis of the Communications Act of 1934 as amended and the "Rules and Regulations" of the Federal Communications Commission. The course will provide the information and skills necessary to operate and manage an F.C.C. licensed radio station. As part of their

class requirements, students will take the F.C.C. examination for a Radio-telephone Third-Class Operator License, including Element I (Basic Law), Element II (Basic Operating Practice), Element IX (Basic Broadcast). 3 credits. Mr. Lockwood.

Speech 200. HUMAN COMMUNICATIONS

A course designed to introduce the student to the field of communication, its history, scope, theory, and types, including verbal and non-verbal communication, the mass media, and propaganda techniques. 3 periods a week; 3 credits. Mrs. Anderson.

Speech 201. DISCUSSION AND DEBATE

Study and analysis of public discussion and debate concerning current national and international issues, discussion types and methods; argumentation. Parliamentary procedures and conduct of the democratic meeting. 3 periods a week; 3 credits. Mr. Woodburn.

Speech 300. PRACTICUM IN SPEECH THERAPY

Directed field work with primary and upper elementary pupils who have speech and hearing difficulties. 2 credits. The Staff.

Speech 304. INTRODUCTION TO SPEECH PATHOLOGY

An overview of the field of Speech Pathology with emphasis upon the causes and treatment of voice and speech disorders. Prerequisite: Speech 100. 3 periods a week; 3 credits. Mr. Woodburn.

Speech 307. PHONETICS

A study of the phonetic structure of the English language, its dialects, and derivations, application of the International Phonetic Alphabet and a review of the literature in experimental phonetics. 3 periods a week; 3 credits. Mr. Woodburn.

Speech 311. RADIO AND TELEVISION

Radio skills with studio practice, elementary television, function of radio

and television media in American culture. 3 periods a week; 3 credits. Mr. Woodburn.

Speech 312. FORENSICS

A course designed to acquaint students with forensic procedures, specifically intra- and extramural oratorical and forensic activities. 3 periods a week; 3 credits. Mrs. Anderson.

Speech 403. ORAL INTERPRETATION

Development of skill in oral reading; the expression and discipline of voice, thought, emotional responses and bodily action; techniques of presentation as adapted to varying forms of literature. Practice in reading prose, poetry, and drama designed to increase literary appreciation. 3 periods a week; 3 credits. The Staff.

DRAMATIC ARTS

**Dramatic Arts 100. INTRODUCTION TO THE THEATRE*

A basic course designed to provide a general introduction to the dramatic arts. 3 periods a week; 3 credits. The Staff.

Dramatic Arts 111, 112; 211, 212; 311, 312; 411, 412. PLAY PRODUCTION

Open to all students who perform, or who provide technical support for departmental major productions in one of the following areas: costumes, lighting, properties, sound-music, make-up, publicity-house. Audition required with the director and/or permission of the technical director. Each student will work a minimum of 45 hours. Does not meet the general education requirement. Evaluation: pass/fail. (NOTE: Dramatic Arts majors are expected to earn at least 4 credits in play production.) 1 credit per semester; time: TBA. The Staff.

Dramatic Arts 201, 202. STAGE-CRAFT

A lecture-studio course dealing with the basic physical and technical skills necessary to mount a play. First semester: scenery construction, running and rigging. Second semester: fundamentals of electricity and intensity control boards, types of stage lighting instruments. Work on departmental productions required. 3 double periods a week; 4 credits each semester. Mr. Emerson.

Dramatic Arts 223. (English 223). SHAKESPEARE

A study of twelve of Shakespeare's plays, selected to illustrate his development as a dramatist and the importance of the drama in Elizabethan England. 3 periods a week; 3 credits. Miss Craft, Miss May.

Dramatic Arts 267. (English 267). WORLD DRAMA

A study of the forms and types of representative plays in the main cur-

rent of world drama from its beginning to Goethe. 3 periods a week; 3 credits. Mr. Lockwood.

Dramatic Arts 268. (English 268).

MODERN EUROPEAN DRAMA
A study of the European Theatre from Goethe through Shaw. 3 periods a week; 3 credits. Mr. Lockwood.

Dramatic Arts 269. (English 269).

CONTEMPORARY DRAMA
A literary study of European and American drama that has made the greatest theatrical, literary and/or social impact in recent years. 3 periods a week; 3 credits. Mr. Young.

Dramatic Arts 301. PROBLEMS IN DIRECTING

Directing with particular reference to the educational theatre, theatre organization, styles of presentation, composition and picturization, and relationships between the director and other theatre workers. Students to direct one-act plays. Prerequisite: Dramatic Arts 201 or 202. 3 periods a week; 3 credits. Mr. Lockwood.

Dramatic Arts 302. FUNDAMENTALS OF ACTING

Study of methods and styles of acting; historical development of acting as a fine art. Pantomime and improvisation. Students to perform in one-act plays, and class exercises and scenes. Prerequisite: Dramatic Arts 201 or 202. 2 double periods a week; 3 credits. Mr. Lockwood.

Dramatic Arts 303. SCENE DESIGN

A studio course acquainting the student with the procedures necessary to analyze a script for scenic needs, to create a scenic design and to communicate that design to others. Prerequisite: Dramatic Arts 201 or consent of instructor. 2 double periods a week; 3 credits. Mr. Emerson.



Dramatic Arts 304. LIGHTING DESIGN

A studio course dealing with the fundamentals of lighting design, methods of approaching lighting design, script interpretation and practical design for the stage. Work on departmental productions required. Prerequisite: Dramatic Arts 202 or consent of instructor. 2 double periods a week; 3 credits. Mr. Emerson.

Dramatic Arts 305, 306. HISTORY OF THE THEATRE

A study of Western theatre from its beginnings to the present with special emphasis on the impact of the theatre arts of Western civilization. 3 periods a week; 3 credits. Mr. Young.

Dramatic Arts 307. A STUDY OF INDIVIDUAL PLAYWRIGHTS

A concentrated study of one or a group of playwrights who have made a significant contribution to the theatrical literature of the world. Beckett, Brecht, Ibsen, O'Neill, Shaw, Restoration playwrights, and others. 3 periods a week; 3 credits. The Staff.

Dramatic Arts 308. COSTUMES AND MAKEUP FOR THE THEATRE

A studio course dealing with script analysis for costume design, creating a design and communicating that design to others. Basic skills and techniques of stage makeup explored. Work on departmental productions required. Prerequisite: Dramatic Arts 201, 202 or consent of instructor. 2 double periods a week; 3 credits. Mr. Emerson.



Dramatic Arts 357. (Physical Education 357). DANCE COMPOSITION
Theory and practice in composition of solo and small group dances. The course is designed for those students interested in advanced training in dance. Prerequisite: Dramatic Arts 100, 201, or 202 for Dramatic Arts credit, or permission of instructor for Physical Education credit. NOTE: This course is an elective and will meet the general education requirement in physical education or dramatic arts, but not both. This will not satisfy state certification requirements for teaching dramatic arts. 3 periods a week; 3 credits. Miss Bowman.

Dramatic Arts 358. (Physical Education 358). THEORY AND PRACTICE IN COMPOSITION AND CHOREOGRAPHIC PROBLEMS
The course is designed for those students interested in advanced training in dance. Prerequisite: Dramatic Arts 100, 201, or 202 for Dramatic Arts credit, or per-

mission of instructor for physical education credit. NOTE: This course is an elective and will meet the general education requirement in physical education or dramatic arts, but not both. This will not satisfy state certification requirements for teaching of dramatic arts. 4 periods a week; 3 credits. Miss Bowman.

Dramatic Arts 367. (English 367). JAPANESE DRAMA

An introductory study of classical and modern Japanese dramatic forms and dramatic literature in translation, with special attention given to the Noh, Kabuki and puppet theatres. Audio-visual materials will supplement lectures and discussion. 3 periods a week; 3 credits. The Staff.

Dramatic Arts 404. PLAYWRITING

A historical survey of playwriting techniques of the past and present, the development of the student, of a philosophy of playwriting which clarifies objective and means, emphasis on theory and practice in playwriting; the writing of one-act plays. 1 three-hour class/laboratory period a week; 3 credits. Mr. Young.

Dramatic Arts 524, 525. (English 524, 525). SHAKESPEARE

Selected comedies, tragedies, and non-dramatic poetry. 3 periods a week; 3 credits. Miss May.

COURSE REQUIREMENTS

The division offers majors in English, French, Spanish, dramatic arts and speech pathology. Students majoring in English, French, Latin or Spanish earn a B.A. degree. Students majoring in dramatic arts earn a B.A. or a B.S. degree. Students majoring in speech pathology take their fourth year of study at the University of Virginia; they earn either a B.A. or a B.S. degree from Longwood College.

ENGLISH MAJOR B.A. DEGREE

General Education Requirements

Art, Music, or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Foreign Language (200 level)/3 credits
 Literature/3 credits
 Humanities/3 credits
 History 121 or 122/3 credits
 Social Science/9 credits
 Science/8 credits
 Mathematics/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/51 credits

(NOTE: Art, Music, Dramatic Art requirement may also be met with 6 hours of the following English courses: 267, 268, 269, 524, 525, 527.)

Major Requirements

English 120 and 121/6 credits
 English 140, 141/6 credits
 English 415/3 credits
 *English Electives/15 credits
 TOTAL/30 credits
 (*Elective courses: (choose 5) one course from English 360, 361, 362, 363, 365, 366; one course from English 522, 523, 524, 525, 526; one course from English 320, 321, 322, 520, 527; two courses are free electives from departmental offerings.)

Students wishing to seek the B.S. degree must request permission of the department chairman.

The following courses must be taken for teaching certification:

English 282/3 credits
 English 480/3 credits
 Psychology 250/3 credits
 Education 455/3 credits
 Education 402, 480, 482, 484, 486,
 488/18 credits
 TOTAL/30 credits

For additional certification to teach Speech:
 Speech Electives/6 credits

For additional certification to teach Dramatic Arts:
 Dramatic Arts 201, 202/6 credits

For additional certification to teach Journalism:
 English 110, or 210, and 211 or 212, or
 296/6 credits

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses. If teaching certification is desired, 128 hours are required for graduation with a cumulative average of 2.0, and a 2.0 average in all major courses.

FRENCH MAJOR B.A. DEGREE

General Education Requirements

Art, Music or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Foreign Language (200 level)/3 credits
 Literature/3 credits
 Literature, Philosophy, or Religion/3 credits
 History 121 or 122/3 credits
 Social Science/9 credits
 Science/8 credits
 Mathematics/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/51 credits

Major Requirements

French 241, 242/6 credits
 Non-survey literature courses/6 credits
 French 401, 402/6 credits
 French Electives/6 credits
 TOTAL/24 credits

French 111-112 and 121-122 may be bypassed totally or in part by advanced placement.

The following courses must be taken for teaching certification:

French 400/3 credits
 Psychology 250/3 credits
 Education 455/3 credits
 Education 402, 480, 482, 484, 486,
 488/18 credits
 TOTAL/27 credits

A language major may certify in a second modern language by completing 24 hours in the second language. Twelve of these hours must be beyond the intermediate level. Advanced placement reduces proportionately the number of hours required by the Commonwealth of Virginia for certification.

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses. If teaching certification is desired, 128 hours are required for graduation with a cumulative average of 2.0, and a 2.0 average in all major courses.

SPANISH MAJOR
B.A. DEGREE

Major Requirements

Spanish 241, 242/6 credits
Spanish 331 or 332 or 432/3 credits
Spanish 401, 402/6 credits
Spanish 441 or 442/3 credits
Spanish 461 or 462 or 471 or 472/3 credits
Spanish Electives/3 credits
TOTAL/24 credits

Spanish 111-112 and 121-122 may be bypassed totally or in part by advanced placement.

General Education Requirements

Art, Music, or Dramatic Arts/6 credits
English 100, 101/6 credits
Foreign Language (200 level)/3 credits
Literature/3 credits
Literature, Philosophy or Religion/3 credits
History 221 or 222/3 credits
Social Science/9 credits
Science/8 credits
Mathematics/6 credits
Health Education 100/1 credit
Physical Education Activity Courses/3 credits
TOTAL/51 credits

The following courses must be taken for teaching certification:

Spanish 400/3 credits
Psychology 250/3 credits
Education 455/3 credits
Education 402, 480, 482, 484, 486,
488/18 credits
TOTAL/27 credits

A language major may certify in a second modern language by completing 24 hours in the second language. Twelve of these hours must be beyond the intermediate level. Advanced placement reduces proportionately the number of hours required by the Commonwealth of Virginia for certification.

NOTE: 126 hours are required for graduation with a cumulative average of 2.0, and a 2.0 average in all major courses. If teaching certification is desired, 128 hours are required for graduation with a cumulative average of 2.0 and a 2.0 average in all major courses.



DRAMATIC ARTS MAJOR
B.S. DEGREE

General Education Requirements

Dramatic Arts 201, 202/6 credits
English 100, 101/6 credits
Literature/3 credits
Humanities Elective/3 credits
History 121 or 122/3 credits
Social Science/9 credits
Mathematics/6 credits
Science/8 credits
Health Education 100/1 credit
Physical Education Activity Courses/3 credits
TOTAL/48 credits

Major Requirements

Speech 100/3 credits
Speech 403/3 credits
Dramatic Arts 201, 202/6 credits
Dramatic Arts 223/3 credits
Dramatic Arts 302, 303/6 credits
Dramatic Arts 305, 306/6 credits
Dramatic Arts 267/3 credits
Dramatic Arts Electives*/6 credits
TOTAL/36 credits

(*Select 3 credits from Dramatic Arts 268, 269, 307 or 527. Select 3 credits from Speech 311, Dramatic Arts 303, 304, 308, 357, 358, 367 or 404.)

NOTE: Dramatic Arts majors are expected to earn at least 4 credits in play production.

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200 level.

SPEECH PATHOLOGY
(UNIVERSITY OF VIRGINIA)
B.S. or B.A. DEGREE AWARDED BY LONGWOOD

General Education Requirements

Art, Music, or Dramatic Arts/6 credits
English 100, 101/6 credits
Literature/3 credits
Humanities Elective/3 credits
History 121 or 122/3 credits
Social Science/9 credits
Mathematics 111, 113 or 161/6 credits
Biology 101 or 103/4 credits
Biology 206/4 credits
Health Education 100/1 credit
Physical Education Activity Courses/3 credits
TOTAL/48 credits

Major Requirements (at Longwood)

Biology 207/4 credits
English 570/3 credits
Psychology 131 or 132/3 credits
Psychology 250/3 credits
Psychology 422, 423 or 523/3 credits
Speech 100/3 credits
Speech 101/3 credits
Speech 304/3 credits
Speech 306/3 credits
Speech Electives/6 credits
TOTAL/34 credits

Major Requirements (at University of Virginia)

Speech Education 103, 104/4 credits
Speech Education 106/3 credits
Speech Education 107/3 credits
Speech Education 108/3 credits
Speech Education 121/3 credits
Speech Education 131/3 credits
Speech Education 132/3 credits
Speech Education 133/3 credits
Speech Education 140/3 credits
Speech Education 151/3 credits
TOTAL/31 credits

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200 level.

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.



Anthony Maurice, *Assistant Professor*
B.A., Johns Hopkins University; M.A.,
Middlebury College; Ph.D., Duke
University

Susan H. May, *Professor*
B.A., Wellesley College; M.A., Univer-
sity of Delaware; Ph.D., University of
Pennsylvania

*Gail Y. Okawa, *Assistant Professor*
B.A., University of Hawaii; M.A., Duke
University

Geoffrey C. Orth, *Assistant Professor*
B.A., Washington and Lee University;
M.A., Ph.D., University of Virginia

John S. Peale, *Associate Professor*
B.A., Washington and Lee University;
M.A., Boston University; M.Div., Union
Theological Seminary (NYC); Ph.D.,
University of North Carolina at Chapel
Hill

Helen B. Savage, *Associate Professor*
B.S., Jacksonville State College; M.A.,
Emory University

Maria C. Silveira, *Associate Professor*
Maestro Normal, Escuela Normal de
Oriente; Licenciado y Dr. en Educacion
y Filosofia, Universidad de Oriente;
M.A., Stephen F. Austin State College

Jo Leslie Sneller, *Associate Professor*
B.S., M.A., Longwood College; Ed.D.,
University of Virginia

William J. Sowder, *Professor*
B.S., Virginia Polytechnic Institute;
M.A., University of Virginia; Ph.D.,
University of Kentucky

Rosemary Sprague, *Board of Visitors*
Distinguished Professor
A.B., Bryn Mawr College; M.A., Ph.D.,
Western Reserve University

Massie C. Stinson, *Associate Professor and*
Chairman of the Department of English
and Philosophy

B.A., M.A., University of Richmond;
Ph.D., University of South Carolina
Donald C. Stuart, *Associate Professor*
B.A., Hamilton College; M.A., Duke
University; Ph.D., University of Virginia

Camilla C. Tinnell, *Instructor*
B.S., M.S., Radford College

David C. Vest, *Associate Professor*
A.B., Birmingham-Southern College;
M.A., Ph.D., Vanderbilt University
Robert J. Woodburn, *Assistant Professor*
B.S., Concord College; M.A., Marshall
University

William C. Woods, *Instructor*
B.A., George Washington University;
M.A., Johns Hopkins University

Douglas M. Young, *Associate Professor*
B.A., M.A., University of Carolina at
Chapel Hill; M.A., University of Virginia;
Ph.D., Florida State University

**On leave of absence 1978-79



MINORS

In order to assist students who wish to take a series of courses in a single area of study, the Department of English presently offers the following minors:

MINOR IN COMMUNICATIONS

English 110 or English 210
English 296
Speech 311
Art 256 or 257
Electives—6 hours chosen from the courses listed under Communications.

MINOR IN ENGLISH

One complete survey from the following:
English 120, 121; English 140, 141;
English 160, 161
One 500-level course
Electives—9 hours

MINOR IN JOURNALISM

English 110, 210/6 credits
English 296 or 243/3 credits
*Electives/9 credits
TOTAL/18 credits
(*Electives must be chosen from the list of approved electives that is available from the chairman of the Department of English.)

FACULTY

Nancy D. Anderson, *Assistant Professor*
B.S., Westhampton College; M.A., Longwood College
Martha E. Cook, *Assistant Professor*
B.A., Maryville College; M.A., Ph.D., Vanderbilt University
Carolyn M. Craft, *Associate Professor*
B.A., Agnes Scott College; M.A., Ph.D., University of Pennsylvania
**Sharon G. Dean, *Assistant Professor*
B.A., Holy Names College; M.A., University of Illinois
Otis W. Douglas, III, *Assistant Professor*
B.A., University of Richmond; M.A., Auburn University
Benjamin W. Emerson, *Instructor*
B.A., University of Richmond; M.F.A., Virginia Commonwealth University

Anita B. Ernouf, *Professor and Chairman of the Department of Foreign Languages*
B.A., Hunter College; M.A., Ph.D., Columbia University
William L. Frank, *Professor and Chairman of the Division of Language, Literature, and Philosophy*
B.A., M.Ed., University of Southern Mississippi; M.A., Ph.D., Northwestern University
Fillmer Hevener, Jr., *Associate Professor*
B.A., Columbia Union College; M.A., Madison College; Ed.D., University of Virginia

Cathleen Hosey, *Associate Professor*
B.A., Rosary College; M.A., Ph.D., Loyola University
Patton Lockwood, *Professor and Chairman of the Department of Speech and Dramatic Arts*
B.A., Oberlin College; M.Ed., University of Virginia; Ph.D., Michigan State University
Michael Lund, *Assistant Professor*
A.B., Washington University; M.A., Ph.D., Emory University
Bette L. McKinney, *Instructor*
B.S., Longwood College; M.A., University of Virginia



DEPARTMENT OF LIBRARY SCIENCE

Martha H. LeSturgeon, *Chairman*

The Department of Library Science offers courses leading to a minor in Library Science and/or to State endorsement as a school librarian. For a minor in Library Science the following 21 semester hours are required: Library Science 280, 281, 301, 302, 401, 402, and 485. The program for students seeking State endorsement as school librarians consists of 21 semester hours of Library Science and 5 semester hours of directed school library service (Education 405).

All course work must be completed prior to directed school library service. Secondary majors in English, Foreign Languages, History, Mathematics, and Science must complete five weeks of practice teaching in their major field and five weeks of library service. Secondary majors in the fields of Art, Business, Health & Physical Education, Home Economics, and Music and all elementary majors must complete ten weeks of practice teaching in their major and five additional weeks in library science.

Library Science 280. (English 280). CHILDREN'S LITERATURE

A course designed to assist students preparing to teach in the elementary schools in the selection and evaluation of books and other forms of media appropriate to this age level and in the use of poetry, prose, and other media in the elementary classroom; includes a survey of children's literature. 3 periods a week; 3 credits.

*Library Science 281. (English 281).
LITERATURE FOR YOUNG ADULTS*
A course designed to assist students preparing to teach in the secondary schools in the selection and evaluation of books for this age level, including adult books and classics, as well as other forms of media which might be used appropriately in the secondary classroom. 3 periods a week; 3 credits.

Library Science 301. MEDIA SELECTION

An introduction to the principles and practices of media selection, including a survey of guidelines, review sources, and selection aids and emphasizing the evaluation of school library materials. 3 periods a week; 3 credits.

*Library Science 302. LIBRARY
REFERENCE MATERIALS*
A study of the evaluation and utilization of reference materials, emphasizing those used in school media centers. 3 periods a week; 3 credits.

*Library Science 401. ORGANIZATION
OF MATERIALS*
A study of the procedures and techniques necessary for the acquisition, cataloging and classification of print and non-print materials. 3 periods a week; 3 credits.

*Library Science 402. ADMINISTRA-
TION OF LIBRARY MEDIA CENTERS*
A survey emphasizing the philosophy and standards for school media centers;

with consideration of organizational patterns, facilities, policies, services and procedures essential to the management of print and non-print materials. 3 periods a week; 3 credits.

*Library Science 485. (Education 485).
PRODUCTION OF MEDIA FOR
INSTRUCTION*
A laboratory course involving production techniques of media materials for classroom utilization. 3 credits.

*Library Science 502. CONTEMPO-
RARY LIBRARY MEDIA CENTER
OPERATION AND PRACTICE*
A critical review and study of operations and practical advances in library services. Prerequisite: a previous course in school library administration. 3 periods a week; 3 credits.

FACULTY

Mary Jo Dollins, Instructor

B.A., Longwood College; M.S. in L.S.,
University of North Carolina at Chapel
Hill

Rebecca R. Laine, Assistant Professor

A.B., College of William and Mary; M.S.
in L.S., University of North Carolina
at Chapel Hill

Martha H. LeSturgeon, Associate Professor and Chairman

B.S., Longwood College; M.A. in L.S.,
George Peabody College for Teachers

Deborah J. Pearson, Instructor

B.A., Valparaiso University; M.A.L.,
University of Denver

Barbara W. Skerry, Assistant Professor

B.A., University of Iowa; M.S. in L.S.,
University of Wisconsin

DEPARTMENT OF MATHEMATICS

Merry Lewis Allen, *Chairman*

The Department of Mathematics and Computer Science offers courses leading to a major in mathematics for students who plan (1) to teach secondary school mathematics, (2) work as mathematicians or computer programmers in business, industry, government service, or other fields, or (3) to pursue graduate work in mathematics, applied mathematics, mathematics education or computer science. The Department also offers courses leading to a minor in mathematics; in addition it offers courses which fulfill general education requirements, and provides service courses in elementary education and statistics.

All mathematics majors are required to take a core program of mathematics courses: Mathematics 261, 262, 343, 361 and 371. In addition each major will pursue one of the programs of study described below.

The mathematics major who plans to teach in high school is required to take the following courses: Mathematics 235, 336, 342 and 451; Computer Science 205, 206 or 505; 6 semester hours of mathematics and/or computer science at 300/400 level, at least 3 of which must be in mathematics, and not including Mathematics 323 or 380. In addition they are strongly advised to take Business 355 (Personal Finance) and Mathematics 380 (History of Mathematics) as general electives.

The pure Mathematics major requires the following courses: Mathematics 342, 461, 336 or 351; Computer Science 205; 9 semester hours of mathematics and/or computer science at 300/400 level, including 6 hours of mathematics, at least 3 of which are at the 400 level, and not including Mathematics 323, 380, 451 or 452.

The major in applied mathematics and computer science requires the following: Mathematics 472; one 200 level course in a programming language (Computer Science 201, 202, 205 or 206); Computer Science 301 and 302 or Mathematics 405 and 460; 9 semester hours of mathematics and/or computer science, at most 3 hours of which can be Computer Science 202 or 206; the remaining hours to be mathematics and/or computer science at the 300/400 level, and not including Mathematics 323, 380, 451 or 452.

The minor in mathematics requires Mathematics 164 (which may be waived), Mathematics 261 and 262 and nine hours of mathematics and/or computer science electives numbered 200 through 499, at least three hours of which must be a mathematics course at the 300/400 level. These electives may not include Mathematics 223, 235, 323, 380, 451 or 452.

Students may, with the consent of their advisers, begin their mathematics studies with pre-calculus (164) or with calculus and analytic geometry (261). Other freshmen should take Mathematics 161, 162 to prepare for a major in mathematics.

While every attempt has been made to state the requirements and options available in the department as succinctly as possible, it is recommended that every mathematics major and minor continue in close communication with the academic adviser assigned by the department in order to plan the program best suited to individual needs and goals.

Certification: Students majoring in fields other than mathematics may certify to teach mathematics at two different levels.

Pre-algebra Mathematics: Students who wish to earn 16 semester hours credit to certify to teach eighth- and ninth-grade arithmetic, consumer mathematics, and basic mathematics should take a core program of Mathematics 123, 124, 323, 114 and 223, and elect the remaining credit hours from the offerings of the department.

High School Mathematics: Certification for teaching high school mathematics requires 27 semester hours of mathematics, including calculus, modern algebra, geometry, and probability and/or statistics. To meet this requirement students in this program should take Mathematics 261, 262, 342, 235, 336, 371 and Computer Science 205 or 505 with the remaining credit hours elected from the offerings of the department. It is recommended that Mathematics 451 be taken as a general elective.

General Education: General education requirements in mathematics may be met by any two of the following courses: Mathematics 111, 112, 113, 114, 161, 162, 164, 261, 262; Computer Science 201, 202, 205, 206. Students should choose the appropriate courses for their majors. Note that elementary education majors must take Mathematics 123, 124 to meet the general education requirement and this course is restricted to these students.

Mathematics 051. BASIC MATHEMATICS

An individualized course in basic mathematics. The content will include computational skills in whole numbers, fractions and decimals; percent, ratio, proportion; and topics in basic algebra. Students will be assigned to the course on the basis of score on a diagnostic test. This course does not satisfy general education requirements. Successful completion of the course required before the student will be permitted to take general education mathematics courses required for graduation. Credit

for this course cannot be used towards graduation. 3 credits (Pass/Fail). The Staff.

**Mathematics 111. INTRODUCTION TO MATHEMATICS I*

A survey of introductory mathematical topics using the computer. Flow-charting and BASIC will be integral elements of the course. 3 periods a week; 3 credits. The Staff.

**Mathematics 112. INTRODUCTION TO MATHEMATICS II*

A survey of mathematical ideas with applications in non-mathematical fields. Emphasis will be placed on developing those tools necessary to solve specific problems. 3 periods a week; 3 credits. The Staff.

**Mathematics 113. STATISTICAL DECISION MAKING*

An elementary statistics course designed to show the student how statistics is used in decision making.

Topics include measures of central tendency and variability; elementary probability; the binomial, normal, and Chi-square distributions, correlation and prediction; and hypothesis testing. Special emphasis is placed upon the proper use of statistics and statistical terms which confront the student in real life situations. 3 periods a week; 3 credits. The Staff.

***Mathematics 114. MATHEMATICS FOR THE CONSUMER**

An introductory course designed to acquaint the student with the application of mathematics in the life of the consumer. Special attention will be given to the algebraic derivation of formulas, the reduction of real life situations to mathematical models, and the mathematics employed in banking, budgeting, credit, taxes, insurance, installment buying, annuities, stocks, bonds and mortgages. 3 periods a week; 3 credits. The Staff.

Mathematics 123, 124. BASIC CONCEPTS OF MATHEMATICS

Basic concepts underlying contemporary arithmetic; emphasis on meaning and understanding; the logic of mathematics; language of sets and relations as applied to structure of number systems; mathematics proofs; fundamental concepts of algebra; percentage; analysis and solution of verbal problems, and graphing of equations and inequalities. This course is required for the B.S. degree in elementary education and is available only to these students. 3 periods a week; 3 credits each semester. The Staff.

***Mathematics 161, 162. FUNDAMENTALS OF COLLEGE MATHEMATICS**

A unified treatment of the basic ideas of contemporary algebra, trigonometry, and analytics. The aim of the course is to show the nature of mathematics as a logical system. The material is fundamental to any student's training whether he wishes to continue in mathematics, the natural sciences, and engineering, or whether his interests lie in the social sciences or economics. 3 periods a week; 3 credits each semester. The Staff.



***Mathematics 164. PRE-CALCULUS**

A study of the elementary functions necessary for calculus. The algebra of functions and relations, graphs, polynomials, rational functions, inequalities, exponential, logarithmic and trigonometric functions, elementary theory of equations. Prerequisite: two years of high school algebra or permission of instructor. 3 periods a week; 3 credits. Mr. May.

Mathematics 223. PRE-ALGEBRA AND GEOMETRY FOR THE JUNIOR HIGH SCHOOL TEACHER

An in-depth study of the intuitive numerical, algebraic, and geometrical concepts normally taught in the junior high school. This course is designed primarily for those students working toward pre-algebra certification. Prerequisite: Mathematics 124 or consent of instructor. Offered on demand; 3 periods a week; 3 credits. Mr. Kidder.

Mathematics 235. ADVANCED EUCLIDEAN GEOMETRY

A study of Euclidean geometry from a more advanced viewpoint. The method and technique of synthetic geometry will be stressed through a study of topics, including formal proofs, finite geometries, convexity, geometry of the circle, constructions and the metric system. 3 periods a week; 3 credits. Mr. Kidder.

***Mathematics 261, 262. THE DIFFERENTIAL AND INTEGRAL CALCULUS**

Prerequisite for Mathematics 261: Mathematics 162, 164 or consent of department chairman. Prerequisite for Mathematics 262: successful completion of 261. Students who do not make a "C"

or better in 261 should have the consent of the chairman before enrolling in 262. 5 periods a week; 5 credits each semester. The Staff.

Mathematics 271. APPLIED STATISTICS

A statistics course designed primarily for students majoring in Business, Psychology, Education, Social Science, Natural Sciences, and Health, Physical Education & Recreation. Topics include simple analysis of variance and covariance, two-way analysis of variance, randomized block design, linear regression, and other statistical techniques. Prerequisite: Mathematics 113 or 162 or consent of instructor. Knowledge of the calculus is not required. Credit will not be given in this course toward the mathematics major. Offered on demand; 3 periods a week; 3 credits. Mr. Wu.

Mathematics 323. MATHEMATICS FOR ELEMENTARY TEACHERS

Basic concepts of mathematics will be continued with a study of elementary geometry from an intuitive approach. Considerable attention will be given to materials and procedures in teaching mathematics in both the primary and upper elementary school. Required for the B.S. in elementary education. Mathematics 123, 124 is strongly recommended prior to taking this course. Credit will not be given in this course toward the mathematics major. 3 periods a week; 3 credits. Mr. Kidder, Mrs. Noone, Mrs. Parrish.

Mathematics 336. SURVEY OF MODERN GEOMETRIES

A study designed to widen and enlarge the horizons of the students through an examination of some of the geometric developments since the time of Euclid. The characteristics and interrelatedness of various geometries — topological, projective, affine, similarity, Euclidean, non-Euclidean and inversion — will be briefly examined through transformation. 3 periods a week; 3 credits. Mr. Kidder.

Mathematics 342. INTRODUCTION TO MODERN ALGEBRA

Sets and mappings, integers, general algebraic systems, groups, rings, and fields. Prerequisite: Mathematics 262. 3 periods a week; 3 credits. Mr. Hightower.

Mathematics 343. LINEAR ALGEBRA

A basic study of vector spaces, linear transformations, and their relationships to matrix algebra. Also included are determinants, isomorphism theorems, linear functionals, and dual spaces. Prerequisite: Mathematics 262 or consent of department chairman. 3 periods a week; 3 credits. Mrs. Bollinger, Mr. Webber.

Mathematics 345. NUMBER THEORY

An introductory course in additive and multiplicative number theory. Included are topics such as: divisibility, prime numbers, congruences, residue systems, linear and quadratic congruences, Dio-

phantine equations, quadratic residues, and number theoretic functions. Prerequisite: Mathematics 342. 3 periods a week; 3 credits. Mr. Noone.

Mathematics 351. INTRODUCTION TO TOPOLOGY

Topological spaces, continuous mappings, homeomorphisms, compactness, connectedness, metric spaces, and other selected topics in point set topology. 3 periods a week; 3 credits. The Staff.

Mathematics 361. CALCULUS III

Advanced topics in calculus not considered in Mathematics 261, 262. Prerequisite: Mathematics 262. Students who do not make "C" or better in 262 should have the consent of the chairman before enrolling in this course. 3 periods a week; 3 credits. The Staff.

Mathematics 371. INTRODUCTION TO PROBABILITY AND STATISTICS

Theory of probability; expected values of random variables; tests of hypotheses; sampling; the central limit theorem; regression analysis. Prerequisite: Mathematics 262. 3 periods a week; 3 credits. Mr. Wu.

Mathematics 380. HISTORY OF MATHEMATICS

Historical development of mathematics from antiquity to the present with emphasis on the influence of mathematics in the development of civilization. Prerequisite: Mathematics 261 or consent of instructor. Credit will not be given in this course toward the mathematics major. Offered on demand; 3 periods a week; 3 credits. The Staff.

Mathematics 405. NUMERICAL ANALYSIS

An investigation of numerical techniques of approximation, matrix computations, integration, and differentiation with emphasis on the solution of nonlinear equations, linear systems and differential equations. The course will require use of the computer. Attention will be given to problems of rounding error, conditioning, and stability. Prerequisite: Mathematics 343, Computer Science 205, or equivalent. 3 periods a week; 3 credits. Mrs. Bollinger.



Mathematics 442. TOPICS IN ALGEBRA

Prerequisite: Mathematics 342, 343.
Offered on demand; 3 periods a week;
3 credits. The Staff.

**Mathematics 451. THE TEACHING
OF HIGH SCHOOL MATHEMATICS**

A study of current practices in high school mathematics teaching with emphasis on principles, techniques, and materials. Required for those planning to teach high school mathematics.
3 periods a week; 3 credits. Mr. Kidder.

**Mathematics 452. MATHEMATICS
METHODS LABORATORY**

Emphasis on individualized instruction, teaching general mathematics and teaching mathematics in the middle school.
1 double period a week; 1 credit.
Mrs. Parrish.

**Mathematics 460. DIFFERENTIAL
EQUATIONS**

Primarily a study of ordinary differential equations of the first and second order with application to elementary work in mechanics and physics. Prerequisite: Mathematics 361. 3 periods a week; 3 credits. The Staff.

**Mathematics 461. ADVANCED
CALCULUS**

A theoretical approach to the study of limits, continuity, differentials, derivatives and integrals. Development of the real number system, elementary point set theory, functions of several variables, infinite series, and power series. Prerequisite: Mathematics 361. 3 periods a week; 3 credits. Mr. Webber.

**Mathematics 472. INTRODUCTION
TO MATHEMATICAL STATISTICS**

Distributions of functions of random variables; moments and moment generating functions; t , F and Chi-square distributions; limiting distributions; interval estimation. Prerequisite: Mathematics 361 and 371. 3 periods a week; 3 credits. Mr. Wu.

**Mathematics 485. INTRODUCTION
TO ANALYSIS**

Prerequisite: consent of instructor.
Offered on demand; 3 periods a week;
3 credits. Miss Allen.

COMPUTER SCIENCE

**Computer Science 201. BUSINESS
LANGUAGE I**

An introduction to programming in a business oriented language (COBOL) with emphasis on commercial applications and elementary concepts of file processing. 3 periods a week; 3 credits. Mr. Hightower.

**Computer Science 202. BUSINESS
LANGUAGE II**

Advanced COBOL programming for business applications; table handling, sorting, and report generating facilities of COBOL; processing of files on sequential and direct access storage devices. Prerequisite: Computer Science 201 or consent of instructor. 3 periods a week; 3 credits. Mr. Hightower.

**Computer Science 205. INTRODUCTIO
N TO PROGRAMMING**

An introductory course in computer science with emphasis on techniques of programming of FORTRAN and on applications to mathematics and science. Prerequisite: Mathematics 161, 162, 164 or consent of instructor. Carries mathematics credit toward both the major and teaching certification. 3 periods a week; 3 credits. Mr. Hightower, Mr. Webber.

**Computer Science 206. ADVANCED
FORTRAN**

Advanced topics in programming in FORTRAN. Documentation, disk file, graphs, searching, sorting, algorithmic techniques. Prerequisite: Computer Science 205. 3 periods a week; 3 credits. Mr. Webber.

**Computer Science 301. COMPUTER
ORGANIZATION AND ASSEMBLER
LANGUAGE PROGRAMMING**

Assembler language programming; addressing techniques; internal storage structure; machine-level representation of instructions and data; sub-routines. Prerequisites: Computer Science 202 or 206 or consent of instructor. 3 periods a week; 3 credits. Mr. Webber.

**Computer Science 302. DATA
STRUCTURES**

Internal representation of arrays, queues, trees, stacks, and lists; concepts related to the interaction between data structures and storage

structure for the generating, developing and processing of data. Prerequisite: Computer Science 202 or 206 or consent of instructor. 3 periods a week; 3 credits. Mr. Hightower.

**For Graduates and Advanced
Undergraduates**

**Mathematics 524. TEACHING MATHE-
MATICS IN GRADES K-3**

A study of mathematics contained in the K-3 curriculum, how children form mathematical concepts, and the use of manipulative materials in the teaching of K-3 mathematics. Student involvement in activities centered around the mathematical concept of grades K-3 will be emphasized. Offered on demand; 3 credits. Mr. Kidder.

**Mathematics 525. TEACHING MATHE-
MATICS IN GRADES 4-7**

A study of mathematics contained in the 4-7 curriculum, how children learn mathematical concepts, and methods and techniques of teaching mathematics in grades 4-7. Student involvement in activities centered around the mathematical concepts of grades 4-7 will be emphasized. Offered on demand; 3 credits. Mr. Kidder.

**Mathematics 526. MEASUREMENT
AND METRIC EDUCATION IN THE
ELEMENTARY SCHOOLS, GRADES
K-8**

An investigation through hands-on laboratory experiences of measuring in the metric system as it applies to the elementary school, grades K-8. Emphasis will be placed on the measuring process in general, on developing an intuitive feeling for and an understanding of the metric units normally taught in the elementary school, and on developing teaching skills and activities which can be used by participants in their respective classrooms. 3 credits. Mr. Kidder.

**Computer Science 505. COMPUTERS
IN MATHEMATICS EDUCATION**

Introduction to programming in the interactive language BASIC. Techniques and existing programs in computer-assisted instruction, computer-managed instruction, simulation and modeling. Emphasis will be placed on secondary school applications. Offered on demand; 3 credits. Mr. Hightower.

COURSE REQUIREMENTS

The Department of Mathematics and Computer Science offers both a major and minor in mathematics. The major requires emphasis in one of three options: teacher certification, pure mathematics or applied mathematics and computer science. Students majoring in mathematics earn a Bachelor of Science or Bachelor of Arts degree.

MATHEMATICS MAJOR B.S. DEGREE

General Education Requirements

Art, Music or Dramatic Arts/6 credits
English 100, 101/6 credits
Literature/3 credits
Humanities Elective/3 credits
History 121 or 122/3 credits
Mathematics 161, 162*/6 credits
Social Science/9 credits
Science/8 credits
Health Education 100/1 credit
Physical Education Activity Courses/3 credits
TOTAL/48 credits
(*May be by-passed. Check with department chairman.)

Major Requirements (all majors)

Mathematics 261, 262, 361/13 credits
Mathematics 343/3 credits
Mathematics 371/3 credits
TOTAL/19 credits

Option I (Teacher Certification)

Mathematics 235, 336/6 credits
Mathematics 342/3 credits
Mathematics 451/3 credits
Computer Science 205, 206 or 505/3 credits
*Electives: 300-400 level mathematics/3 credits
300-400 level computer science or mathematics/3 credits

Option II (Pure Mathematics)

Mathematics 342/3 credits
Mathematics 336 or 351/3 credits
Mathematics 461/3 credits
Computer Science 205/3 credits
*Electives: 400 level mathematics/3 credits
300-400 level mathematics/3 credits
300-400 level computer science or mathematics/3 credits

Option III (Applied Mathematics and Computer Science)

Mathematics 472/3 credits
Computer Science 201, 202, 205 or 206/3 credits
Computer Science 301 and 302 or Mathematics 405 and 460/6 credits
*Electives: Computer Science 202 or 206 or 300-400 level computer science or mathematics/3 credits
300-400 level computer science or mathematics/6 credits

*Electives may not include Mathematics 323, 280, 451 or 452.

MINOR IN MATHEMATICS

Mathematics 164*/3 credits
Mathematics 261, 262/10 credits
**Electives: 300-400 level mathematics/3 credits
200-400 level computer science or mathematics/6 credits

*Or equivalent. This requirement may be waived for students beginning their mathematics studies with Mathematics 261.

**Electives may not include Mathematics 223, 235, 323, 380, 451 and 452.

FACULTY

Merry Lewis Allen, Associate Professor and Chairman

B.S., College of William and Mary;
M.S., University of Illinois; M.Ed.,
Ed.D., University of Virginia

Sandra A. Bollinger, Assistant Professor

B.A., Longwood College; M.M., University of South Carolina

James C. Gussett, Associate Professor

B.S., United States Naval Academy;
M.Ed., Ed.D., University of Cincinnati

William L. Hightower, Assistant Professor

B.A., Kalamazoo College; M.S., Ph.D.,
Michigan State University

F. Richard Kidder, Associate Professor

B.A., M.A., San Diego State College;
Ed.D., University of Georgia

Robert D. May, Assistant Professor

B.A., Swarthmore College; Ph.D.,
Harvard University

E. T. Noone, Jr., Associate Professor

B.S., M.S., Northwestern State University;
Ed.D., University of Southern Mississippi

Jean A. Noone, Assistant Professor

B.S., Madison College; M.M., University of South Carolina

Cada R. Parrish, Assistant Professor

B.S., West Virginia Wesleyan College;
M.S., Stetson University

Robert P. Webber, Associate Professor

B.A., University of Richmond; M.S.,
Stephen F. Austin State College; Ph.D.,
University of Tennessee

Robert S. Wu, Associate Professor

B.S., Illinois Institute of Technology;
M.S., DePaul University; Ph.D., University of Northern Colorado

DEPARTMENT OF MILITARY SCIENCE

Army ROTC is a four-year course of study, open to men and women, which may be taken by Longwood students concurrently with their regular course work. Credits earned in military science are counted as elective hours, and may be offered as hours to fulfill the graduation requirements for any degree.

The course of study is divided into two phases: the basic course, taken during the freshman and sophomore years; and the advanced course, taken during the junior and senior years. Students enrolled in the basic course do not incur any military obligation, and are not required to take the advanced course. Eight credits may be earned in the basic course (four each year) and six credits may be earned in the advanced course (three each year). Successful completion of the program earns the student a commission as a second lieutenant in the United States Army.

Cadets may compete for Army scholarships that include all academic fees, tuition, supplies and equipment plus subsistence of \$100 per academic month. Students enrolled in the advanced course earn \$100 per academic month. All uniforms, books and equipment are provided by the Army; a refundable deposit to cover the expense of loss or damage must be made each academic year.

The military science program leads to commissions in all branches of the Army. Seniors planning to pursue graduate study may request a delay in reporting to active duty to permit their continued education. The top 5% of graduates nationally will be offered Army fellowships for graduate school if they desire. In addition, special programs in medicine and law are available to graduates.

NOTE: Class hours are devoted to academic subjects. Vocational-type technical training is covered only during laboratory periods. Courses are designed to build upon preceding material, although completion of any one is not an essential prerequisite for those following.

Military Science 101. BASIC MILITARY SCIENCE I

A general introduction to the various interpretations of the causes and nature of conflict as expressed in war, the evolution of armed conflict from the earliest recorded times; the principles of war and their application; and the influence of society; technology, and personal leadership on the conduct of war. Semester offerings concentrate on American Military History from colonial times to the close of World War I. 2 credits. The Staff.

Military Science 102. BASIC MILITARY SCIENCE II

American Military History is explored from the end of World War I to the present. Concentration during the last third of the course is on contemporary defense organizations, structures, and societal roles. Students develop the evolution of the modern military establishment in the United States. 2 credits. The Staff.

Military Science 201. BASIC MILITARY SCIENCE III

Course covers military geography, i.e. land forms and their military implications; geopolitical strategic theories; and analyses and use of maps and aerial photographs. Emphasis is on understanding the relationship between land forms and their representation on flat surfaces, such as maps. An introduction is provided into management, organizational, and leadership principles as they are reflected in basic tactical techniques and operations. 2 credits. The Staff.

Military Science 202. BASIC MILITARY SCIENCE IV

Course is a continuation of Military Science 201 with added emphasis on student problem solving techniques in more complex situations.

Military Science 301. ADVANCED MILITARY SCIENCE I

Student offers a three credit course from another discipline, but outside of his major, for ROTC credit. (Not an overload.) Academic work is devoted to theories of instruction and communication, to include selection of method of presentation, preparation, audience evaluation, presentation of material, audio-visual media techniques, and evaluation of audience learning. Instruc-

tional techniques are primarily seminar and conference with some lecture. Emphasis is on student participation and demonstration. Seminars on the significance of world events are integrated into course content. Each student delivers a short period of instruction for peer discussion. 1 credit. The Staff.

Military Science 302. ADVANCED MILITARY SCIENCE II

Instructional methods are primarily the case study technique and seminars. Academic work is devoted to group interactions and the role of the leader. Emphasis is on the theories of leadership styles, counseling techniques, motivating forces as they apply to individuals and groups, and the effects of external factors. Students evaluate management techniques in various organizational patterns. The latter portion of the course is devoted to examination of the branches of the Army and their roles and functions, particularly as reflected in the organizational and management principles and variations embodied in their structures and operations. Basic tactical and communications techniques are evaluated against the management principles developed from the examination. 2 credits. The Staff.

Military Science 303. ADVANCED MILITARY SCIENCE III

Student offers a three credit course from another discipline, but outside of his major, for ROTC credit. (Not an overload.) Academic work is devoted to examination of current world events and their implications for U.S. national security and/or for world military affairs. Emphasis is on actual or potential conflict situations and development of conflict control methods in consideration of international systems. Instructional technique employed is conference and seminar with inter-disciplinary evaluations encouraged. Laboratory period is a concentrated, comprehensive, practical application of management and organizational principles; students plan in detail and conduct a two-day field trip for all students enrolled in all courses. 1 credit. The Staff.

Military Science 304. ADVANCED MILITARY SCIENCE IV

Several subcourses are included. In one, emphasis is found in Army personnel and logistic systems. Students employ problem solving techniques in applying principles previously learned and evolving solutions. The 12-hour subcourse on Military Law is presented by a qualified lawyer, normally a practicing attorney who is also a Reserve Officer in the Judge Advocate General's Corps. Emphasis is on an understanding of the philosophy of military law and its relationship to civil law in American society. Rights, duties, and obligations of military personnel in national and international contexts are covered as they pertain to the Uniform Code of Military Justice, the Hague Conventions of 1907, and the Geneva Conventions of 1949. Student research and discussion is encouraged. The last subcourse covers the application of organizational, management, and leadership principles in more advanced tactical

settings. Conference, role playing, and problem solving instructional methods are employed. The Staff.

Military Science 305. ROTC ADVANCED CAMP SUMMER PRACTICUM

Intensive leadership application with individual and group experiences. Student is exposed to constant leadership situations requiring decision making under physical and mental stress conditions. Prerequisite: Military Science 303. 3 credits. The Staff.

FACULTY

Bernard B. Hamaker, *Associate Professor*

B.S., Old Dominion University; M.Ed., University of Virginia; Graduate, U.S. Army Career Course; Major, Infantry, United States Army

George N. Ivey, *Professor*

B.G.E., University of Omaha; M.S., Troy state University; M.S., College of Naval Warfare; Graduate, U.S. Army Command and General Staff College; Colonel, Infantry, United States Army

Timothy B. Jordan, *Instructor*

Sergeant First Class, United States Army

Walter R. Sullivan, *Assistant Professor*

B.S., Southern Mississippi University; Captain, Artillery, Army Aviator, United States Army

DEPARTMENT OF MUSIC

Louard E. Egbert, Jr., *Acting Chairman*

The music curricula are designed: [a] to provide all interested students with relevant musical experiences, and to increase musical literacy of all students, [b] to educate talented musicians (music majors) in the highest traditions of musical art with relation to the past and the future, [c] to enable these students to communicate to others at all age levels an awareness and enjoyment of great music, and [d] to bring to all students by means of varied and superior performances the exciting experience of listening to music creatively.

The required music courses for the Bachelor of Music Education degree are: Music 115, 116, Music 117, 118, Music 127, 128, Music 215, 216, Music 217, 218, Music 227, 228, and Music 327; Music 343, 344 or Music 343, 348; Music 431, 432; 24 hours in applied music distributed as follows: 14 hours in concentration, 4 in proficiency, and 4 in instrumental classes; 2 hours in music literature in the concentration area.

The required music courses for a major in the Bachelor of Arts program are: Music 115, 116, Music 117, 118, Music 127, 128, Music 215, 216, Music 217, 218, Music 227, 228, and Music 327; Music 431, 432; 12 hours in applied concentration and a minimum of 6 elective hours approved by the department chairman.

Each student must perform an audition in order to be accepted as a music major in the Department of Music.

Each music major must participate in an ensemble each semester. Each music major must appear as a soloist on at least a half Senior Recital during the student's senior year.

Each incoming freshman music major must play a keyboard audition in order for the music faculty to determine the student's level of piano ability; depending upon the student's ability level, he/she will be required to take one of the two classes for one semester: Music 212, for remedial work; or Music 213, for the more advanced student, who may do accompanying.

The amount of credit in applied music that may be transferred from other institutions will be determined through evaluation of the student's ability by the Department of Music.

THEORY

Music 111. BASIC MUSICIANSHIP

An introductory course in music reading through singing and the use of melodic instruments. Recommended for therapeutic recreation majors. 3 periods a week; 3 credits. Mrs. McCannless.

Music 115, 116. THEORY OF MUSIC
Theory, harmony, written and keyboard; 2 periods a week; 2 credits each semester. Mr. Blasch.

Music 117, 118. SIGHTSINGING AND DICTATION
Ear training through sightsinging and dictation. 2 periods a week; 2 credit each semester. Mr. Blasch.

Music 127, 128. THE LITERATURE OF MUSIC

A survey of music literature from the major periods of music composition. 1 period a week; 1 credit each semester. Mr. Harbaum.

Music 212. KEYBOARD FUNDAMENTALS

Remedial piano for music majors. Study and practice in basic keyboard techniques, sightreading and major and minor scales. Open only to music majors and others with consent of instructor. 2 periods a week; 1 credit. Mr. Blasch.

Music 213. PIANO ACCOMPANYING
Study and practical application of accompanying for other students. Open only to music majors and others with consent of instructor. 2 periods a week; 1 credit. Miss Myers.

Music 215, 216. THEORY OF MUSIC
A continuation of 115, 116 which is prerequisite. 2 periods a week; 2 credits each semester. The Staff.

Music 217, 218. SIGHTSINGING AND DICTATION

A continuation of 117, 118 which is prerequisite. 2 periods a week; 1 credit each semester. The Staff.

Music 227, 228. LITERATURE OF MUSIC

A continuation of 127, 128 which is prerequisite. 1 period a week; 1 credit each semester. Mr. Harbaum.

Music 297, 497. COMPOSITION

Instruction in techniques of composing music. Prerequisite: Music 115, 117 and consent of instructor. One class period and one private lesson a week; 1 credit. May be repeated for credit. The Staff.

Music 315. CONDUCTING

Technique of the baton; score reading; rehearsal procedures; vocal and instrumental conducting. 2 periods a week; 2 credits. The Staff.

Music 316. ADVANCED CONDUCTING

Continuation of Music 315 which is prerequisite. 2 periods a week; 2 credits. The Staff.

Music 327. FORM AND ANALYSIS
Harmonic and formal analysis of compositions of each period. Prerequisite: Music 215, 218. 3 periods a week; 3 credits. Mr. Hesselink.

Music 413. COUNTERPOINT

Strict and free counterpoint; motivic development; invertible counterpoint. Prerequisite: Music 216, 218, 228. Offered on demand; 2 periods a week; 2 credits. The Staff.

APPRECIATION, HISTORY AND
LITERATURE

*Music 121, 122 and 321, 322.

GUIDED LISTENING

Prior to music events within the Longwood Music Department, there will be a preview lecture which will explain the composition(s) to be performed in the concert. Students will attend the lecture and the performance. 2 periods a week; 1 credit each semester. The Staff.

*Music 123. THE APPRECIATION
OF MUSIC

Study for the understanding of the forms, styles, and periods of the music usually heard in performance. 3 periods a week; 3 credits. Mrs. Haga, Mr. Harbaum, Mr. Hesselink.

*Music 125, 126. MUSIC IN
WESTERN CULTURE

Survey of the major periods of music with examples of the composition of principal composers in each period; the relation of music to other aspects of history and the culture of western civilization. 3 periods a week; 3 credits each semester. Mr. Harbaum.

*Music 223, 224. CONCERT HOUR
Directed listening to selected masterpieces of music, biographical study of the composers. 2 periods a week; 2 credits each semester. The Staff.

*Music 231. MUSIC OF THE
RENAISSANCE AND BAROQUE
PERIODS

Study of the forms, styles, and trends of the music from the Renaissance and Baroque periods, biography. 3 periods a week; 3 credits. Mr. Harbaum.

*Music 232. MUSIC OF THE CLASSIC
AND ROMANTIC PERIODS

Study of the forms, styles, and trends of the music from the Classic and Romantic periods, biography. 3 periods a week; 3 credits. Mr. Harbaum.

*Music 233. MUSIC OF THE
TWENTIETH CENTURY

Study of the forms, styles, and trends of the music of the twentieth century, biography. 3 periods a week; 3 credits. Mr. Blasch.

*Music 234. MUSIC OF THE THEATER

Study of opera, operetta incidental music. 3 periods a week; 3 credits. The Staff.

*Music 235. MUSIC OF THE CHURCH

Study of the development of music in the church from Gregorian chant to the present. 3 periods a week; 3 credits. Mr. Hesselink.

*Music 236. MUSIC AND THE ARTS

A study of the elements of music and their relationship to literature and the visual arts. 3 periods a week; 3 credits. Mr. Blasch.

*Music 237. JAZZ, FOLK, ROCK
AND BROADWAY MUSICALS

A survey and comparison of the styles, characteristics, composers, and performers of folk, jazz, rock and Broadway music. 3 periods a week; 3 credits. The Staff.

*Music 331, 332. SURVEY OF
MUSIC LITERATURE

A survey of music literature. Directed listening with the use of available scores; analysis of significant compositions from the major periods of musical development. 3 periods a week; 3 credits each semester. The Staff.

Music 431, 432. HISTORY OF MUSIC

The history of music of western civilization, with examples. Open to non-music majors only with permission of the instructor. 3 periods a week; 3 credits each semester. Mr. Harbaum.

Music 434. ORGAN LITERATURE

A study of the literature of the organ through performance and listening. Required of organ concentrators. 2 periods a week; 2 credits. Mr. Hesselink.

Music 435. PIANO LITERATURE

A study of the literature of the piano-forte through performance and listening. Required of piano concentrators. 2 periods a week; 2 credits. Mr. Blasch.

Music 436. VOICE LITERATURE
AND PEDAGOGY

A study of the literature and the teaching of voice; principles of voice teaching and laboratory work with beginning voice students. Required of voice concentrators. 2 periods a week; 2 credits. The Staff.

MUSIC EDUCATION

Music 191, 192. WOODWINDS

Students acquire the technique to perform class C music; proper embouchure of woodwinds, tone production, ranges; transposition; elementary arranging. 2 periods a week; 1 credit each semester. Mr. Harbaum.

Music 167, 168. BRASS

Students acquire the technique to perform class C music; proper embouchure of brasses, tone production, ranges; transposition; elementary arranging. 2 periods a week; 1 credit each semester. Mr. Harbaum.

Music 242. MUSIC FOR ELEMEN-
TARY TEACHERS

Music for students preparing to teach in the elementary grades. Fundamentals of music, both theoretical and practical, through the use of electronic keyboards; singing, conducting; use of the auto-harp. Music literature through listening and reading. 3 periods a week; 3 credits. Mrs. Haga, Mr. Harbaum, Miss Myers, Mrs. Zahrt.

Music 342. MUSIC IN THE ELEMEN-
TARY SCHOOL

Study of the goals and philosophy of music education in the elementary schools; techniques and approaches providing the experiences needed in a conceptually oriented program of classroom music. Practice in planning and implementing the music program, showing possible correlation with other curriculum areas. Prerequisite: Music 242. 3 periods a week; 3 credits. Mrs. Haga, Mrs. Zahrt.

Music 343. MUSIC TEACHING AND
SUPERVISION IN THE ELEMEN-
TARY SCHOOL

Study of music education from early childhood through primary and lower

elementary school levels; materials, procedures, philosophy. Open only to music education majors and others with consent of the department chairman. 3 periods a week; 3 credits. Mrs. Haga.

Music 344. MUSIC IN THE MIDDLE AND JUNIOR HIGH SCHOOL

Philosophy, procedures, materials; emphasis on music in the middle school; adaptation of the program to the open school and individualized or group instruction. Open only to music education majors and others with consent of the department chairman. 2 periods a week; 2 credits. Mrs. Haga.

Music 348. INSTRUMENTAL MUSIC IN THE SCHOOLS

Study of all the band and orchestral instruments. Embouchure and technical development; rehearsal techniques; fundamentals of marching; materials. 3 periods a week; 3 credits. Mr. Harbaum.

Music 445. TEACHING PIANO

Techniques and materials of teaching piano individually and in groups; observation and teaching of demonstration groups. 2 periods a week; 2 credits. Mr. Blasch.

APPLIED MUSIC

Opportunity is offered all students of the College for cultural development through the study of the piano, harpsichord, organ, voice, guitar, or orchestral or band instruments, either through private instruction or in small classes. Students may enter at any stage of advancement. Students majoring in music must attain minimum standards of performance proficiencies, as determined by the department, at the end of their sophomore year.

Music 169, 170; 269, 270; 369, 370; 469, 470. GROUP PIANO

Piano for non-music majors. Study of piano composition techniques, sight-reading, and theory. Class taught in electronic piano lab. 2 periods a week; 2 credits. Mr. Blasch.

Applied Music, elective, class. One small class instruction each week; 1 credit each semester.

Music 171, 172; 271, 272; 371, 372; 471, 472. Strings.

Applied Music, elective, individual. One half-hour individual lesson or equivalent each week; 1 credit each semester.

Music 153, 154; 253, 254; 353, 354; 453, 454. Organ.

Music 157, 158; 257, 258; 357, 358; 457, 458. Harpsichord.

Music 163, 164; 263, 264; 363, 364; 463, 464. Piano

Music 173, 174; 273, 274; 373, 374; 473, 474. Strings.

Music 183, 184; 283, 284; 383, 384; 483, 484. Voice.

Music 193, 194; 293, 294; 393, 394; 493, 494. Woodwinds.

Music 177, 178; 277, 278; 377, 378; 477, 478. Brass.

Music 181, 182; 281, 282; 381, 382; 481, 482. Voice.

Applied Music, concentration. One half-hour individual lesson, one hour group instruction (or equivalent) plus related studio classes and recitals. 2 credits each semester.

Music 155, 156; 255, 256; 355, 356; 455, 456. Organ.

Music 159, 160; 259, 260; 359, 360; 459, 460. Harpsichord.

Music 165, 166; 265, 266; 365, 366; 465, 466. Piano.

Music 175, 176; 275, 276; 375, 376; 475, 476. Strings.

Music 185, 186; 285, 286; 385, 386; 485, 486. Voice.

Music 187, 188; 287, 288; 387, 388; 487, 488. Brass.

Music 195, 196; 295, 296; 395, 396; 495, 496. Woodwinds.

ENSEMBLES

Ensembles are open to all students who sing or play an orchestra or band instrument. All require an audition with the conductor. Formal programs are presented on and off the campus.

Ensembles. Two periods a week; 1 credit each semester. May be repeated for credit.

*Music 202, 203; 402, 403. Instrumental Chamber Music Ensemble.

*Music 205, 206; 405, 406; Concert Choir, SSA.

*Music 207, 208; 407, 408. Camerata Singers, SATB.

*Music 209, 210; 409, 410. Concert Band.

FOR GRADUATE AND ADVANCED UNDERGRADUATES

Music 521. SYMPHONIC LITERATURE.

Music 531. MUSIC FOR CHILDREN

Music 542. MUSIC FOR EARLY CHILDHOOD

Music 532. MUSIC IN THE HIGH SCHOOL



COURSE REQUIREMENTS

The department offers majors in music and music education. Students majoring in music earn a Bachelor of Arts degree. Students majoring in music education earn a Bachelor of Science in Music Education (B.S.M.E.) degree.

MUSIC MAJOR B.A. DEGREE

General Education Requirements

Art, Music or Dramatic Arts/6 credits
English 100, 101/6 credits
Literature/3 credits
Literature, Philosophy or Religion/3 credits
Foreign Language at the 200 level/3 credits
History 121 or 121/3 credits
Social Science/9 credits
Mathematics/6 credits
Science/8 credits

Health Education 100/1 credit
Physical Education Activity Courses/3 credits
TOTAL/51 credits

Major Requirements

Music 115, 116/4 credits
Music 117, 118/2 credits
Music 127, 128/2 credits
Music 212 or 213/1 credit
Music 215, 216/4 credits
Music 217, 218/2 credits
Music 227, 228/2 credits

Music 327/3 credits
Music 431, 432/6 credits
Music Electives/6 credits
Applied Concentration/12 credits
TOTAL/44 credits

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

BACHELOR OF MUSIC EDUCATION DEGREE

General Education Requirements

English 100, 101/6 credits
Literature/3 credits
Literature or Philosophy/3 credits
History 121 or 122/3 credits
Social Science/9 credits
Mathematics/6 credits
Music 431, 432/6 credits
Science/8 credits
Health Education 100/1 credit
Physical Education Activity Courses/3 credits
TOTAL/48 credits

Major Requirements

Music 115, 116/4 credits
Music 117, 118/2 credits
Music 127, 128/2 credits
Music 212 or 213/1 credit
Music 215, 216/4 credits
Music 217, 218/2 credits
Music 315/2 credits
Music 327/3 credits
Music 343/3 credits
Music 344 or 348/2 or 3 credits
Music Concentration/14 credits
Music Proficiency/4 credits
Music Elective or Ensemble/6 credits
Music Literature (concentration area)/2 credits
TOTAL/53 or 54 credits

The following courses must be taken for teaching certification:

Psychology 250/3 credits
Education 455/3 credits
Education 402, 480, 482, 484, 485, 488/18 credits
TOTAL/24 credits

NOTE: 128 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

MINOR IN MUSIC

Music 115, 116/4 credits
Music 117, 118/2 credits
Music 127, 128, 227, 228 or 123/3 credits
Music Ensemble/2 credits

Applied Major/8 credits
Applied Minor/2 credits
Music Elective/3 credits
TOTAL/24 credits

FACULTY

Robert E. Blasch, *Associate Professor*
B.A., Hofstra University; B.M., M.M.,
University of Michigan; M.A., University
of Illinois; Ed.D., Columbia
University
Louard E. Egbert, Jr., *Associate Professor*
and *Acting Chairman*
B.M.E., Murray State University; M.M.E.,
University of Illinois; D.M.A., University
of Kentucky

Paul B. Haga, *Assistant Professor*
B.A., Iowa State Teachers College; M.M.,
Northwestern University
Darrell G. Harbaum, *Associate Professor*
B.S., University of Cincinnati; M.Mus.,
Cincinnati Conservatory of Music
*Paul S. Hesselink, *Associate Professor*
A.B., Hope College; M.A., Ohio State
University; D.M.A., University of
Colorado
Frieda E. Myers, *Assistant Professor*
B.S., Indiana Central College; M.Mus.,
Indiana University
Norma M. Williams, *Assistant Professor*
B.M.E., Millikin University; M.M.,
Chicago Musical College

Thomas A. Williams, *Associate Professor*
B.M., University of Montevallo; M.M.,
Louisiana State University
James A. Yeager, *Instructor*
B.M., Ohio State University; M.S.M.,
Union Theological Seminary
Hilda B. Zahrt, *Associate Professor*
B.S., Juilliard School of Music; M.A.,
Columbia University; Ph.D., University
of Southern Mississippi

*on leave of absence 1978-79

DEPARTMENT OF NATURAL SCIENCES

Marvin W. Scott, *Chairman*

The general education requirement of 8 semester hours in Natural Sciences may be fulfilled by the introductory courses from two of the following areas: astronomy, biology, chemistry, geology, physics, and physical science.

The department offers courses leading to a major in biology, biology with concentration in environmental science, chemistry, earth science, physics, physics with a concentration in pre-medicine and biophysics; a multi-disciplinary program leading to teaching certification in the three fields of science, mathematics, and physics; and courses which meet the requirements in medically oriented pre-professional programs. The requirements for a major in these disciplines are given below under the appropriate heading.

Qualified majors are encouraged to enroll in the tutorial courses: Special Projects in Natural Sciences, or a program of honors study.

Majors intending to pursue graduate study should consult with appropriate staff members for help in planning the undergraduate programs in such a way to best satisfy the admission requirement of graduate schools.

BIOLOGY

**Biology 101. BIOLOGICAL CONCEPTS*

An inquiry into the nature and common features of life. 3 single and 1 double periods a week; 4 credits. The Staff.

**Biology 102. GENERAL BOTANY*

The biology, life cycles, economics and ecology of representatives of the plant kingdom. 3 single and 1 double periods a week; 4 credits. The Staff.

**Biology 103. GENERAL ZOOLOGY*

The biology, life cycles, economics and ecology of representatives of the animal kingdom. 3 single and 1 double periods a week; 4 credits. The Staff.

Biology 201. PLANT MORPHOLOGY

The comparative development and structure of tissues and organs in representative vascular plant groups. 3 single and 1 three-hour periods a week; 4 credits. Mr. Breil.

Biology 202. ANIMAL MORPHOLOGY

The comparative development and structure of tissues, organs, and organ systems in representative chordate groups. 2 single and 2 double periods a week; 4 credits. Mrs. Breil.

Biology 204. PLANT TAXONOMY

Collection, identification, and classification of plants. 2 single and 2 double periods a week; 4 credits. Mr. Breil, Mr. Harvill.

Biology 206-207. HUMAN ANATOMY AND PHYSIOLOGY

Basic physiological principles and functional anatomy of the digestive, circula-

tory, respiratory systems (Biology 206) and of the integumentary, skeletal, muscular, nervous, endocrine and urogenital systems (Biology 207). Biology 206 is recommended as prerequisite for Biology 207. 3 single and 1 double periods a week; 4 credits. Miss Holman, Mr. Merkle.

Biology 300. GENERAL ECOLOGY

The interrelationships of organisms with their environment. 3 single and 1 double periods a week; 4 credits. Mr. Batts.

Biology 301. MAN AND THE ENVIRONMENT

A consideration of the environmental problems that society faces on the local, national and international levels. Topics may include the energy crisis, pollution, population problems, birth control, recycling, and other areas of interest to the students. Open to all students. No prerequisites. 3 periods a week; 3 credits. Mr. Batts.

Biology 302. PLANT ECOLOGY

Relationships of plants to their environments. 3 single and 1 three-hour periods a week; 4 credits. Mr. Breil, Mr. Harvill.

Biology 304. MODERN GENETICS

Modern concepts of the nature and function of genetic material. 3 single and 1 double periods a week; 4 credits. The Staff.

Biology 305. PLANT PHYSIOLOGY

Principles of cellular and tissue functions in plants. 3 single and 1 double periods a week; 4 credits. Mr. Lehman.

Biology 306. VERTEBRATE PHYSIOLOGY

Functions of animal organs and organ

systems. Prerequisite: Biology 202 or 206-207. 3 single and 1 three-hour laboratory periods a week; 4 credits. Mrs. Breil.

Biology 308. FIELD BIOLOGY

Collection, identification, and life histories of local flora and fauna. 1 single and 1 double periods a week; 2 credits. Mr. Batts.

Biology 309. MICROBIOLOGY

A study of the structure, physiology and activities of microorganisms as related to their role in nature, disease, industrial processes and human affairs. Basic concepts, and fundamental techniques involved in isolation, cultivation and identification of microorganisms will be stressed. 3 single and 2 double periods a week; 4 credits. Mr. Tinnell.

Biology 310. EVOLUTION

A study of the basic processes of and evidence for evolution. 3 single periods a week; 3 credits. Mr. Harvill.

Biology 311. (Science 311). OCEANOGRAPHY

An introduction to the geological, physical, chemical and biological aspects of the oceans. 3 single and 1 double periods a week; 4 credits. Mr. Austin, Mr. Batts.

Biology 312. (Chemistry 312). BIOCHEMISTRY

A study of the chemistry of proteins, carbohydrates, lipids and nucleic acids in biological systems. Prerequisite: Chemistry 205 or permission of instructor. 3 single periods a week; 3 credits (or 4 with laboratory). Mr. Hardy, Mr. Tinnell.

Biology 323. GENETICS AND MAN

A study of the mechanisms of heredity and their applications, implications, and limitations to man as a rational social being. Not open to biology majors. 3 single and 1 double periods a week; 4 credits. The Staff.

Biology 324. GENETICS

A study of the mechanism of heredity. 3 single and 1 double periods a week; 4 credits. The Staff

Biology 371. SPECIAL COURSES IN BIOLOGY

Specialized courses for small groups of students. The course titles and descriptions listed below represent some of the special areas which may be covered under this course number. 1, 2, 3, or 4 credits. May be repeated as 372, 373, 374.

Cytology and Cytogenetics. Structural and functional aspects of cellular maintenance and heredity. Mr. Heinemann.

Plant Geography. A study of the origins, migrations, and distribution of the flowering plants. 2 double periods a week; 2 credits. Mr. Harvill.

Bryophytes. The morphology and taxonomy of mosses and liverworts with emphasis on field work. 1 single and 2 double periods a week; 3 credits. Mr. Breil.

Biology of Fishes. An introduction to the study of fishes, emphasizing their morphology, physiology, taxonomy, and environmental responses. Prerequisite: Biology 103 and permission of instructor. 2 single and 1 double periods a week; 3 credits. Mr. Batts.

Entomology. A study of insects: the Class or an Order. Taxonomy, or anatomy, or physiology. The Staff.

Acarology. Classification, biology, medical and economic significance of mites and ticks. Limited to four students. 2 double periods a week; 2 credits. Mr. Heinemann, Miss Holman.

Ornithology. Morphology and identification of birds common to Virginia. 2 credits. Mrs. Breil.

Herpetology. The study of reptiles and amphibians, with emphasis on the systematics, distribution, ecology and evolution of the group. Permission of instructor required. 2 double and 2 single periods a week; 4 credits. Mr. Merkle.

Pteridology. A study of ferns, horse-tails, spikemosses and quillworts with emphasis on field work. 2 single and 1 three-hour periods a week; 3 credits. Mr. Breil.

Limnology. An ecological approach to the physical, chemical and biological study of fresh water environments with consideration given to the methods and principles of evaluating water quality. Prerequisites: 8 hours of biology, 8 hours of chemistry and permission of instructor. 2 single and 1 three-hour periods a week; 3 credits. Mr. Breil.

Biology 395. MEDICAL SCIENCE SEMINAR

Selected topics in health-related areas. Open to all pre-professionals including freshmen. 1 period a week; 1 credit. Mrs. Breil.

Biology 401. BSCS: CONCEPTS AND METHODS

Studies to acquaint students with high school biology courses designed by the Biological Sciences Curriculum Study Committee. 3 single periods a week; 3 credits. Mr. Bergeron.

Biology 462. SPECIAL PROJECTS IN BIOLOGY

Students will carry out research projects under individual supervision of an instructor. The nature of the project will depend on the interest and needs of the student. Consent of the instructor and approval of the department chairman is prerequisite for enrollment in this course. May be repeated as 463 and 464. 2, 3, or 4 credits. The Staff.

Biology 490. BIOLOGICAL SEMINAR

Selected topics in biology. May be repeated as 491, 492, etc. 1 period a week; 1 credit. The Staff.

CHEMISTRY

***Chemistry 101. GENERAL CHEMISTRY I**

A study of the basic concepts of chemistry designed for one semester. 3 single and 1 double periods a week; 4 credits. The Staff.

Chemistry 102. GENERAL CHEMISTRY II

Continuation of Chemistry 101. A study of the laws and principles of chemistry and qualitative analysis. 3 single and 1 double periods a week; 4 credits. The Staff.

Chemistry 201. ANALYTICAL CHEMISTRY

The theory and practice of quantitative analysis by gravimetric, volumetric, and instrumental methods. 2 single and 2 double periods a week; 4 credits. Mr. Barber.

Chemistry 202. THE THEORY AND PRACTICE OF INSTRUMENTAL TECHNIQUES IN ANALYTICAL CHEMISTRY

Prerequisite: Chemistry 201. 2 single and 2 three-hour periods a week; 4 credits. The Staff.

Chemistry 205. ORGANIC CHEMISTRY

Fundamental principles and reactions of organic chemistry. 3 single and 1 three-hour periods a week; 4 credits. Mr. Maxwell.

Chemistry 206. ORGANIC CHEMISTRY

A continuation of Chemistry 205. 3 single and 1 three-hour periods a week; 4 credits. Mr. Maxwell.

Chemistry 301. INTRODUCTORY PHYSICAL CHEMISTRY

Fundamental principles and problems associated with the properties of matter — its structure and interaction. Introduction to thermo-dynamics, kinetics, quantum theory, atomic and molecular structure, and spectroscopy. Prerequisites: Chemistry 101, 102 and Mathematics 161, 162, or equivalent. 3 single periods and 1 three-hour laboratory period a week; 4 credits. Mr. Barber.

Chemistry 312. (Biology 312). BIOCHEMISTRY

A study of the chemistry of proteins, carbohydrates, lipids, and nucleic acids in biological systems. Prerequisite: Chemistry 205 or permission of instructor. 3 single periods a week; 3 credits (or 4 with laboratory). Mr. Hardy.

Chemistry 371. SPECIAL COURSES IN CHEMISTRY

Specialized courses for small groups of students. The course titles and

descriptions listed below represent some of the special areas which may be covered under this course number. 1, 2, 3, or 4 credits. May be repeated as 372, 373, 374.

Textile Chemistry. A study of fundamental problems and processes of the production of synthetic and natural fibers and fabrics. Prerequisite: Chemistry 205 or consent of instructor. 3 single periods a week; 3 credits. The Staff.

Environmental Chemistry. A study of the fundamental problems of chemical pollution of the soil, water, and atmosphere. Prerequisite: Chemistry 205 or consent of instructor. Mr. Lehman.

Toxicology. A study of the therapeutic and toxic effects of exogenous materials on the living organism; the mode of action, metabolism, detoxication, testing and analysis of selected drugs and environmental chemicals. Prerequisite: organic chemistry or consent of instructor. 3 single and 1 double periods a week; 4 credits. Mr. Hardy.

Radiochemistry. Properties of radio-nuclides, interaction of radiations with matter, radioactivity detection and measurement, isotope techniques and environmental aspects of nuclear radiation. Prerequisite: permission of instructor. 3 credits. The Staff.

Inorganic Chemistry. The structures, properties, reactions and uses of inorganic compounds. Prerequisite: Chemistry 102 and permission of instructor. 3 credits. The Staff.

Advanced Organic Chemistry. A study of more advanced topics than covered in Chemistry 205 and 206. Prerequisite: Chemistry 205 and 206. 3 single periods a week; 3 credits (or 4 with laboratory). Mr. Maxwell.

Chemistry 400, 401. ADVANCED PHYSICAL CHEMISTRY

First semester: Kinetic theory of gases, thermodynamics, equilibria, kinetics, and kinetic theory. Second semester: Elementary quantum theory, atomic and molecular structure, spectroscopy, solution properties, and electrochemistry. Prerequisites: Chemistry 201, 301 or permission of instructor; Mathematics 261, 262; Physics 101, 102, or 201, 202. 3 single periods and 1 three-hour laboratory period a week; 4 credits. The Staff.

Chemistry 420. CHEMISTRY SEMINAR
Reports and discussions of topics of interest in the field of chemistry. Open to qualified students. May be repeated for credit, in which event the number will be 421, 422, etc. 1 credit. The Staff.

Chemistry 462. SPECIAL PROJECTS IN CHEMISTRY

Students will carry out research projects under individual supervision of an instructor. The nature of the project will depend on the interest and needs of the student. Consent of the instructor and approval of the department chairman is prerequisite for enrollment in this course. May be repeated as Chemistry 463 and 464. 2, 3, or 4 credits. The Staff.

PHYSICS

**Physics 101. GENERAL PHYSICS*
An introduction to the basic concepts of mechanics and heat. 3 single and 1 double periods a week; 4 credits. The Staff.

Physics 102. GENERAL PHYSICS
A study of sound, light, electricity and magnetism. Prerequisite: Physics 101. 3 single and 1 double periods a week; 4 credits. The Staff.

Physics 201. UNIVERSITY PHYSICS
Similar to Physics 101 but with the calculus used throughout. Prerequisite or corequisite: Mathematics 261, 262. Offered on demand; 3 single and 1 double periods a week; 4 credits. Mr. Meshejian.

Physics 202. UNIVERSITY PHYSICS
Similar to Physics 102 but with the calculus used throughout. Prerequisite: Physics 201. Offered on demand; 3 single and 1 double periods a week; 4 credits. Mr. Meshejian.

Physics 321. ATOMIC AND NUCLEAR PHYSICS I

A survey of modern developments in electron, atomic, and nuclear physics. Prerequisite or corequisite: Mathematics 261. 3 single and 1 three-hour periods a week; 4 credits. Mr. Fawcett.

Physics 322. ATOMIC AND NUCLEAR PHYSICS II

A continuation of Physics 321. Pre-

quisite or corequisite: Mathematics 261. 3 single and 1 three-hour periods a week; 4 credits. Mr. Fawcett.

Physics 324. THERMODYNAMICS

A study of thermal properties of matter; phenomena involved in flow of heat and performance of work. Kinetic theory and statistical mechanics are included. Prerequisite or corequisite: Mathematics 261. Offered on demand; 3 single periods a week; 3 credits. The Staff.

Physics 326. LIGHT

A study of the nature and behavior of light and other electromagnetic radiation. Prerequisite: Mathematics 261. 3 single and 1 three-hour periods a week; 4 credits. Mr. Meshejian.

Physics 331. A.C. AND D.C. CIRCUITS

A review of basic electricity and magnetism. A.C. and D.C. circuits, transients, resonance, electrical and magnetic measurements. Prerequisite or corequisite: Mathematics 261. 3 single and 1 three-hour periods a week; 4 credits. The Staff.

Physics 332. CLASSICAL ELECTRICITY AND MAGNETISM

Electric and magnetic fields, potentials, resistance, inductance and capacitance, polarization, magnetic materials, Maxwell's equations. Prerequisite: Mathematics 262. Offered on demand; 4 single periods a week; 4 credits. The Staff.

Physics 341. ELECTRONICS

A survey of basic electronic circuits and their use in radio, television and other applications; introduction to transistors. Prerequisite: Physics 101, 102 or 201, 202. 3 single and 1 three-hour periods a week; 4 credits. Mr. Meshejian.

Physics 352. MECHANICS

A mathematical study of the physical laws pertaining to matter and motion. Prerequisite: Mathematics 262. Prerequisite or corequisite: Mathematics 460. 4 single periods a week; 4 credits. Mr. Meshejian.

Physics 462. SPECIAL PROJECTS IN PHYSICS

Students will carry out research projects under individual supervision of an instructor. The nature of the project will depend on the interest and

needs of the student. Consent of instructor and approval of department chairman is prerequisite for enrollment in this course. May be repeated as Physics 463, 464. 2, 3, or 4 credits. The Staff.

EARTH SCIENCE

**Astronomy 200. DESCRIPTIVE ASTRONOMY*

Descriptive study of the solar system, stars, galaxies, and cosmological models of the Universe. Evening sky observations are included. 3 single and 1 double periods a week; 4 credits. Mr. Curley.

**Astronomy 201. INTRODUCTORY ASTRONOMY*

A descriptive study of star types, stellar distances, binary systems, variable stars, stellar evolution, clusters, galaxies, cosmology, telescopes, optics, and the constellations. Evening sky observations are included. 3 single and 1 double periods a week; 4 credits. Mr. Curley.

Biology 300. GENERAL ECOLOGY

The interrelationships of organisms with their environment. 3 single and 1 double periods a week; 4 credits. Mr. Batts.

Biology 301. MAN AND THE ENVIRONMENT

A consideration of the environmental problems that society faces on the local, national and international levels. Topics may include the energy crisis, pollution, population problems, birth control, recycling, and other areas of interest to the students. Open to all students. No prerequisites. 3 periods a week; 3 credits. Mr. Batts.

Geography 251. PHYSICAL GEOGRAPHY (METEROLOGY AND CLIMATOLOGY)

The study of basic weather phenomena and processes is emphasized. The varieties of climate and their origin in terms of air masses, source regions and frontal zones is treated. 3 single periods a week; 3 credits. Mr. Lane.

Geography 252. PHYSICAL GEOGRAPHY (PEDOLOGY, HYDROLOGY, PLANT GEOGRAPHY AND EARTH RESOURCES)

A study of the physical environment in which terrestrial elements are analyzed and interrelated. The natural

resource base is emphasized. 3 single periods a week; 3 credits. Mr. Lane.

Geography 353. GEOGRAPHY OF VIRGINIA

Geographical appraisal of Virginia, including the geology, landforms, soils, climate, economic minerals, original vegetation, and the human geography of Virginia, emphasizing settlement and population, agriculture, industries and transportation. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits. Mr. Lane.

**Geology 200. PHYSICAL GEOLOGY*

An introduction to the physical materials and processes which shape the earth's crust. 3 single and 1 double periods a week; 4 credits. Mr. Ferguson.

Geology 201. HISTORICAL GEOLOGY

A detailed investigation of the origin and evolution of earth's crust with emphasis on the eastern United States. Prerequisite: Geology 200 or high school earth science. 3 single and 1 double periods a week; 4 credits. Mr. Ferguson.

**Science 101. PHYSICAL SCIENCE*

A survey of basic physics. 3 single and 1 double periods a week; 4 credits. The Staff.

**Science 102. PHYSICAL SCIENCE*

A survey of chemistry, geology, and astronomy. 3 single and 1 double periods a week; 4 credits. The Staff.

Science 311. (Biology 311). OCEANOGRAPHY

An introduction to the geological, physical, chemical and biological aspects of the oceans. 3 single and 1 double periods a week; 4 credits. Mr. Austin, Mr. Batts.

SCIENCE

Science 352. SCIENCE FOR SECONDARY TEACHERS

A study of materials and methods for teaching the physical and/or biological sciences at the junior and senior high school level. Course content will

be designed to meet the individual needs of each student. Recommended prior to student teaching. 3 single periods a week; 3 credits. Mr. Austin.

Science 360. HISTORIES IN SCIENCE

A historical survey of the development of our modern scientific concepts. Offered on demand; 2 single periods a week; 2 credits. The Staff.

Science 362. SCIENCE FOR ELEMENTARY TEACHERS

A study of materials and methods of teaching science in the primary and upper elementary grades with emphasis on student use of laboratory materials and techniques. Required for the B.S. degree in Elementary Education. Prerequisites: Biology 102, 103, Science 101 and 102. 1 single and 2 double periods a week; 3 credits. Mrs. McCombs.

Science 371. SPECIAL COURSES IN SCIENCE

Specialized courses for small groups of students. The course titles and descriptions listed below represent some of the special areas which may be covered under this course number. 1, 2, 3, or 4 credits. May be repeated as Science 372, 373. The Staff.

Ornamental Gardening and Landscaping. Planning for, propagating, and caring for house plants and outdoor plants. 1 single and 2 double periods a week; 2 credits. The Staff.

Making Equipment for Classroom and Laboratory. Students will plan and construct equipment to use in teaching elementary or secondary science. Materials to be supplied by students. Open to all students; no prerequisites. 1 double period a week; 1 credit. Mr. Curley, Mrs. McCombs.

Science 462. SPECIAL PROJECTS IN SCIENCE

Students will carry out research projects under individual supervision of an instructor. The nature of the project will depend on the interests and needs of the student. Consent of the instructor and approval of the department chairman is prerequisite for enrollment in this course. May be repeated as Science 463 and 464. 2, 3, or 4 credits. The Staff.

*Recommended for General Education

COURSE REQUIREMENTS

The Department of Natural Sciences offers majors in the following areas: biology, chemistry, earth science, and physics. In each area, both the Bachelor of Arts and the Bachelor of Science degrees are available. Students particularly interested in the environment may major in biology with a concentration in environment may major in biology with a concentration in environmental science. In addition, physics majors may choose to pursue a pre-medical/biophysics concentration in preparation for medical or graduate school, or physics majors may choose to enter a program leading to teaching certification in science, mathematics, and physics. The department also provides two year curricula for students who wish to pursue work in dental hygiene at VCU-MCV, pharmacy at VCU-MCV, physical therapy at VCU-MCV, medical technology at VCU-MCV, or nursing at the University of Virginia or VCU-MCV. Students wishing to train in medical technology at the University of Virginia, Fairfax Memorial Hospital, Memorial Hospital in Danville, or Roanoke Memorial Hospital earn the Bachelor of Science degree from Longwood after three years at Longwood and one year at one of the above named institutions. Completion of the Longwood pre-professional curriculum does not automatically guarantee admission to the professional school program. Admission to these programs is competitive, and is based on the student's academic performance during the pre-professional period, as well as personal recommendations, and experience.

BIOLOGY MAJOR B. S. DEGREE

General Education Requirements

Art, Music or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 History 121 or 122/3 credits
 Social Science/9 credits
 Biology 102, 103/8 credits
 Mathematics 161, 162/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Major Requirements

Chemistry 101, 102 or 205/8 credits
 Physics 101/4 credits
 Biology Electives*/26 credits
 TOTAL/38 credits

(*Must include courses in the areas of
 morphology, genetics, physiology,
 biological seminar, and ecology.)

Students seeking the B.A. degree must take
 3 semester hours of one foreign language
 at the 200 level.

The following courses must be taken for teaching certification:

Psychology 250/3 credits
 Education 455/3 credits
 Education 402, 480, 482, 484,
 488/18 credits
 TOTAL/24 credits

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses. If teaching certification is desired, 128 hours are required for graduation with a cumulative average of 2.0, and a 2.0 average in all major courses.

BIOLOGY MAJOR (ENVIRONMENTAL SCIENCE EMPHASIS) B. S. DEGREE

General Education Requirements

Art, Music or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 History 121 or 122/3 credits
 Geography 201, 252/6 credits
 Social Science (other than Geography)/3 credits
 Biology 102, 103/8 credits
 Mathematics 161, 162/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Major Requirements

Biology 300/4 credits
 Biology 301/3 credits
 Biology 302/4 credits
 Biology 324/4 credits

Biology 490/1 credit
 Mathematics 113/3 credits
 Chemistry 101, 102/8 credits
 Physics 101/4 credits
 TOTAL/31 credits

Plus 16 hours from

Biology 201/4 credits
 Biology 202/4 credits
 Biology 204/4 credits
 Biology 305/4 credits
 Biology 306/4 credits
 Biology 311/4 credits
 Biology 372, 373, 374/2-4 credits
 Geography 251/3 credits
 Geography 354/3 credits
 Geography 356/3 credits
 Geography 454/3 credits
 Geology 372/4 credits
 Chemistry 372/2-4 credits
 Physics 102/4 credits

Students seeking the B.A. degree must take
 3 semester hours of one foreign language at
 the 200 level.

The following courses must be taken for teaching certification:

Psychology 250/3 credits
 Education 455/3 credits
 Education 402, 480, 482, 484, 486, 488/18
 credits
 TOTAL/24 credits

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses. If teaching certification is desired, 128 hours are required for graduation with a cumulative average of 2.0, and a 2.0 average in all major courses.

CHEMISTRY MAJOR
B.S. DEGREE

General Education Requirements

Art, Music or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 History 121 or 122/3 credits
 Social Science/9 credits
 Chemistry 101, 102/8 credits
 Mathematics 161, 162, 164, 261, or
 262/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Major Requirements

Physics 101, 102/8 credits
 Chemistry Electives*/24 credits
 TOTAL/32 credits
 (*Must include courses in the areas of
 analytical, organic and physical chemistry.)

Students seeking the B.A. degree must take 3
 semester hours of one foreign language at the
 200 level.

*The following courses must be taken for
 teaching certification:*

Psychology 250/3 credits
 Education 455/3 credits
 Education 402, 480, 482, 484, 486,
 488/18 credits
 TOTAL/24 credits

NOTE: 126 hours are required for gradu-
 ation, with a cumulative average of 2.0,
 and a 2.0 average in all major courses. If
 teaching certification is desired, 128 hours
 are required for graduation, with a cumu-
 lative average of 2.0, and a 2.0 average in
 all major courses.

CHEMISTRY MAJOR
B.S. DEGREE
(PROFESSIONAL DEGREE)

General Education Requirements

Art, Music or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 History 121 or 122/3 credits
 Social Science/9 credits
 Chemistry 101, 102/8 credits
 Mathematics 161, 162, 164, 261 or
 262/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Major Requirements

Physics 101, 102/8 credits
 Mathematics 261, 262/10 credits
 Chemistry 201, 202/8 credits
 Chemistry 205, 206&8 credits
 Chemistry 400, 401/8 credits
 Chemistry 371 (Inorganic)/3 credits
 Chemistry 462/3 credits
 Chemistry Electives*/3 credits
 TOTAL/51 credits
 (*Electives may come from the follow-
 ing courses: Advanced Organic, Toxi-
 cology, Radiochemistry, Biochemistry,
 or a chemistry honors project.)

*Courses from the following list are con-
 sidered desirable electives:*

Mathematics 205, 271, 361, 460
 Physics 321, 322, 341
 Biology 304

Students seeking the B.A. degree must take
 3 semester hours of one foreign language at
 the 200 level.

NOTE: 126 hours are required for gradu-
 ation, with a cumulative average of 2.0,
 and a 2.0 average in all major courses.

EARTH SCIENCE MAJOR
B S DEGREE

General Education Requirements

Art, Music or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 Social Science/9 credits
 Chemistry 101 or Physics 101/4 credits
 Science 101/4 credits
 Biology 103/4 credits
 Mathematics 161, 162/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/49 credits

Major Requirements

Astronomy 200, 201/8 credits
 Chemistry 102 or Physics 102, or Science
 102/4 credits
 Geology 200, 201/8 credits
 Physical Geography 251, 252/6 credits
 Science 311/4 credits
 Earth Science Electives/6 credits
 TOTAL/36 credits

*The following courses must be taken for
 teaching certification:*

Psychology 250/3 credits
 Education 455/3 credits
 Education 402, 480, 482, 484, 486,
 488/18 credits
 TOTAL/24 credits

NOTE: 126 hours are required for gradu-
 ation, with a cumulative average of 2.0,
 and a 2.0 average in all major courses. If
 teaching certification is desired, 128 hours
 are required for graduation, with a cumu-
 lative average of 2.0, and a 2.0 average in
 all major courses.

**PHYSICS MAJOR
B S DEGREE**

General Education Requirements

Art, Music or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 History 121 or 122/3 credits
 Physics 101, 102 or 201, 202/8 credits
 Social Science/9 credits
 Mathematics 161, 162 or 164/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Major Requirements

Astronomy 200 or 201, Biology 101, Chemistry 101 or Science 102*/4 credits
 Mathematics 261, 262/10 credits
 Mathematics 361/3 credits
 Mathematics 460/3 credits
 Physics 321/4 credits
 Physics 331/4 credits
 Physics 324, 326 or 341/4 credits
 Physics 352/4 credits
 Physics Electives/8 credits
 TOTAL/44 credits
 (*Physics majors not seeking teacher certification must take Chemistry 101, 102 [8 hours] for a total major requirement of 48 hours.)

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200 level.

The following courses must be taken for teaching certification:

Psychology 250/3 credits
 Education 455/3 credits
 Education 402, 480, 482, 484, 486, 488/18 credits
 TOTAL/24 credits

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses. If teaching certification is desired, 128 hours are required for graduation, with a cumulative average of 2.0 and a 2.0 average in all major courses.

**PHYSICS MAJOR
MULTIDISCIPLINARY TEACHING CERTIFICATION
B S DEGREE**

(Courses in this program fulfill the certification requirements in the fields of General Science, Mathematics, and Physics.)

General Education Requirements

Art, Music or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 History 121 or 122/3 credits
 Physics 101, 102/8 credits
 Social Science/9 credits
 Mathematics 161, 162/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Mathematics 261, 262/10 credits
 Mathematics 361/3 credits
 Mathematics 460/3 credits
 Mathematics 235/3 credits
 Mathematics 342 or 471/3 credits
 Physics 321/4 credits
 Physics 331/4 credits
 Physics 324, 326 or 341/4 credits
 Physics 352/4 credits
 Physics Elective/4 credits
 TOTAL/50 credits

(Recommended elective: Mathematics 451.)

The following courses must also be taken for teaching certification:

Psychology 250/3 credits
 Education 455/3 credits
 Education 402*, 480, 482, 484, 486, 488/18 credits
 TOTAL/24 credits

(*Education 402 [Directed Teaching] must include student teaching in Mathematics and either General Science or Physics.)

NOTE: 128 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

**PHYSICS MAJOR
PRE-MEDICINE AND BIOPHYSICS CONCENTRATION
B S DEGREE**

General Education Requirements

Art, Music or Dramatic Arts/6 credits
 English 100, 101/6 credits
 Literature/3 credits
 Humanities Elective/3 credits
 History 121 or 122/3 credits
 Physics 101, 102 or 201, 202/8 credits
 Social Science/9 credits
 Mathematics 161, 162 or 164/6 credits
 Health Education 100/1 credit
 Physical Education Activity Courses/3 credits
 TOTAL/48 credits

Major and Concentration Requirements

Biology 102, 103/8 credits
 Biology 306/4 credits
 Biology 306/4 credits
 Biology 309, 312, or 371/4 credits
 Biology 324/4 credits
 Chemistry 101, 102/8 credits
 Chemistry 205/4 credits
 Chemistry 206/4 credits
 Mathematics 261, 262/10 credits
 Mathematics 361/3 credits
 Mathematics 460/3 credits

Physics 321, 322/8 credits
 Physics 331/4 credits
 Physics 341/4 credits
 Physics 352/4 credits
 Physics Elective/4 credits
 TOTAL/76 credits

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200 level.

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

*PRE-DENTAL HYGIENE
(VCU-MCV)*

Requirements

Biology 101/4 credits
Biology 206-207/8 credits
Chemistry 101, 102/8 credits

English 100/3 credits
English Elective/3 credits
Psychology 131 or 132/3 credits
Sociology 221/3 credits

Speech 101/3 credits
Electives*/25 credits
TOTAL/60 credits
(*Recommended elective areas: Microbiology, Organic Chemistry and Statistics.)

*PRE-PHARMACY
(VCU-MCV)*

Requirements

Biology 102, 103/8 credits
Chemistry 101, 102/8 credits
Economics 202/3 credits
English 100/3 credits

Literature/3 credits
Mathematics 161, 162/6 credits
Physics 101, 102/8 credits
Electives*/24 credits
TOTAL/63 credits

(*Only 6 semester hours of electives may be in the sciences, economics and mathematics. Eighteen hours must be in the humanities and social sciences, exclusive of economics. Business and physical education are not acceptable.)

*PRE-PHYSICAL THERAPY
(VCU-MCV)*

Requirements

Biology 101, 103/8 credits
Chemistry 101, 102/8 credits
English 100/3 credits
English Literature/3 credits
Mathematics 161, 162/6 credits
Social Science*/6 credits
Physics 101, 102/8 credits
Psychology 131 or 132/3 credits

Psychology 240/3 credits
Electives**/16 credits
TOTAL/64 credits

*Select from Anthropology 201, Economics 202, History 111, 112, 221, 222, Philosophy 260, Sociology 221.

**Recommended electives: Biology 206-207, Physical Education 105, 106, Mathematics or Foreign Language.

*PRE-MEDICAL TECHNOLOGY
B S DEGREE GRANTED BY LONGWOOD*

(Fairfax Hospital, Memorial Hospital of Danville, Roanoke Memorial Hospital)

General Education Requirements

Art, Music or Dramatic Arts/6 credits
English 100, 101/6 credits
Literature/3 credits
Humanities Elective/3 credits
History 121 or 122/3 credits
Social Science/9 credits
Biology 101, 103/8 credits
Mathematics 161, 162/6 credits
Health Education 100/1 credit
Physical Education Activity Courses/3 credits
TOTAL/48 credits

Major Requirements (Longwood)

Biology 206-207, or 309 and Elective/8 credits
Chemistry 101, 102/8 credits
Chemistry 201, 202, 205 or 206/8 credits
Electives/24 credits
TOTAL/48 credits

Major Requirements (affiliated schools)

University of Virginia/38 credits
Others/30 credits

NOTE: 126 hours are required for graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

*PRE-MEDICAL TECHNOLOGY
(VCU-MCV)*

Requirements

Biology 101/4 credits
Biology 206-207, 309/12 credits
Chemistry 101, 102/8 credits

Chemistry 205/4 credits
English 100/3 credits
Literature/3 credits
Mathematics 161/3 credits

Electives*/19 credits
TOTAL/60 credits
(*Select from Humanities and Social Sciences. Mathematics 162 is strongly recommended.)

PRE-NURSING CURRICULUM
(VCU-MCV, U. Va.)

Requirements

Biology 101/4 credits
 Biology 206-207/8 credits
 Chemistry 101, 102/8 credits
 Mathematics 113 or 161/3 credits
 English 100/3 credits
 Speech or Literature/3 credits
 Humanities*/6 credits
 History/6 credits
 Psychology 131 or 132/3 credits

Psychology 240/3 credits
 Sociology 221/3 credits
 Social Science Elective**/9 credits
 Elective (physical education acceptable)/1-3 credits

*Select from philosophy, logic, literature, art, music, drama, or foreign language.

**Select from anthropology, psychology, sociology, political science, geography, and government.

PRE-MEDICAL CURRICULUM
(VCU-MCV, U. Va.)

Pre-medical students major in Biology, Chemistry, or Physics. Since requirements of medical schools vary consider-

ably, students should communicate with the school(s), they plan to attend.

PRE-DENTISTRY
(VCU-MCV)

Pre-dentistry students major in Biology, Chemistry, or Physics. The entrance

requirements at MCV should be followed closely by all pre-dentistry students.

*MINORS IN BIOLOGY, CHEMISTRY,
EARTH SCIENCE AND PHYSICS*

The department offers minors in biology, chemistry, earth science, and physics. Students may choose to use their elective hours to pursue a minor program in a field not directly related to their major. Minor programs are listed below and range from 19-24 hours. Students who are interested in pursuing a minor should contact the chairman of the department.

BIOLOGY

8 semester hours at the 100 level
 12 semester hours at the 200 level or above
 TOTAL/20 hours
 (This does not meet certification requirements.)

CHEMISTRY

8 semester hours general chemistry
 8 semester hours organic chemistry
 4 semester hours analytical chemistry
 4 semester hours physical chemistry
 TOTAL/24 hours
 (Meets certification requirements.)

EARTH SCIENCE

3 semester hours Geography 251
 4 semester hours astronomy
 8 semester hours geology
 4 semester hours oceanography
 TOTAL/19 hours
 (Does not meet certification requirements).

PHYSICS

8 semester hours general physics
 12 semester hours advanced physics courses,
 Mathematics 261, 262 required in most of
 these courses
 TOTAL/20 hours
 (Exceeds endorsement requirements for
 mathematics and science majors).

FACULTY

John M. Austin, *Associate Professor*
B.S., Longwood College; M.Ed., University of Virginia

Patrick George Barber, *Associate Professor*
B.S., Stanford University; Ph.D., Cornell University

Billy S. Batts, *Associate Professor*
B.S., North Carolina State University; M.S., University of Washington; Ph.D., North Carolina State University

Jon David Bergeron, *Assistant Professor*
B.S., University of Maryland; M.Ed., Towson State University

David A. Breil, *Professor*
B.S., M.A., University of Massachusetts; Ph.D., Florida State University

Sandra D. Breil, *Associate Professor*
A.B., University of Vermont; Ph.D., University of Massachusetts

James W. Curley, *Assistant Professor*
B.S., Lacrosse State University; M.A.T., University of North Carolina at Chapel Hill

Louis R. Fawcett, *Associate Professor*
B.S., University of Richmond; M.S., University of North Carolina at Chapel Hill; Ph.D., Virginia Polytechnic Institute

Lynn M. Ferguson, *Instructor*
B.S., East Tennessee State University; M.S., Virginia Polytechnic Institute and State University

John A. Hardy, III, *Assistant Professor*
B.A., M.S., University of Virginia

Alton M. Harvill, Jr., *Professor*
B.S., M.S., University of Kentucky; Ph.D., University of Michigan

Richard L. Heinemann, *Associate Professor*
B.A., Champlain College; M.S., University of Rochester; Ph.D., Medical College of Virginia

Leta Jane Holman, *Professor*
B.S., Texas Technological College; M.S., University of Michigan; Ph.D., University of Maryland

Robert H. Lehman, *Associate Professor, Administrative Assistant to the Dean, Director of Continuing Education and The Summer Session*
B.S., Bloomsburg State College; M.N.S., Ph.D., University of Oklahoma

Freda S. McCombs, *Associate Professor*
B.S., Salem College; M.Ed., Ed.D., University of North Carolina at Chapel Hill
Maurice H. Maxwell, Jr., *Assistant Professor*
B.S., Emory and Henry College; Ph.D., West Virginia University

Donald A. Merkle, *Assistant Professor*
B.S., M.S., University of Dayton; Ph.D., Miami University at Oxford

Wayne K. Meshejian, *Assistant Professor*
B.S., Samford College; M.S., Virginia Polytechnic Institute

Marvin W. Scott, *Professor and Chairman*
B.S., Hampden-Sydney College; Ph.D., Virginia Polytechnic Institute

Wayne H. Tinnell, *Associate Professor*
B.S., M.S., Ph.D., Virginia Polytechnic Institute

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