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Longwood University

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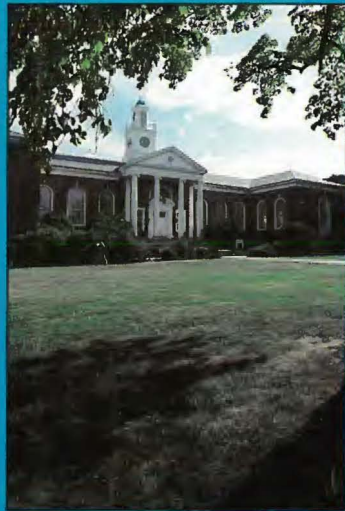
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College Catalogue 1976-1978

# Longwood



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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 Bulletin, Catalogue Issue, Volume LXV, Number 2, September 1977. Announcements 1976-78. Accredited by Southern Association of Colleges and Schools, National Council for Accreditation of Teacher Education, Virginia State Board of Education, and Council on Social Work Education. Undergraduate enrollment approximately 2,300 students.

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# LONGWOOD

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# ACADEMIC CALENDAR

## SUMMER SESSION – 1976

### First Term

June 7 Monday – Undergraduate classes begin.  
 June 14 Monday – Graduate classes begin.  
 July 9 Friday – Undergraduate classes end.  
 July 13 Tuesday – Graduate classes end.

### Second Term

July 12 Monday – Undergraduate classes begin.  
 July 15 Thursday – Graduate classes begin.  
 August 13 Friday – Graduate and undergraduate classes end.

## FIRST SEMESTER – 1976

August 28 Saturday – Opening date.  
 August 31 Tuesday – Professional semester begins.  
 September 1 Wednesday – Classes begin.  
 October 22 Friday – Mid-semester estimates.  
 November 19 Friday – Thanksgiving holiday begins after classes.  
 November 29 Monday – Classes resume at 8:00 a.m.  
 December 10 Friday – Classes end.  
 December 13 Monday – Examinations begin.  
 December 17 Friday – Professional semester ends.  
 December 21 Tuesday – Examinations end.

## SECOND SEMESTER – 1977

January 17 Monday – Classes begin. Professional semester begins.  
 March 4 Friday – Mid-semester estimates.  
 March 11 Friday – Spring holiday begins after classes.  
 March 21 Monday – Classes resume at 8:00 a.m.  
 April 27 Wednesday – Classes end.  
 April 28 Thursday – Examinations begin.  
 May 6 Friday – Professional semester ends. Examinations end.  
 May 14 Saturday – Graduation.

## SUMMER SESSION – 1977

### First Term

June 6 Monday – Undergraduate classes begin.  
 June 13 Monday – Graduate classes begin.  
 July 8 Friday – Undergraduate classes end.  
 July 12 Tuesday – Graduate classes end.

### Second Term

July 11 Monday – Undergraduate classes begin.  
 July 14 Thursday – Graduate classes begin.  
 August 12 Friday – All classes end.

## FIRST SEMESTER – 1977

August 27 Saturday – Opening date.  
 August 29 Monday – Professional semester begins.  
 August 30 Tuesday – Registration.  
 August 31 Wednesday – Classes begin at 8:00 a.m.  
 September 9 Friday – Last day to add a class.  
 September 30 Friday – Last day to drop a class without an automatic F.  
 October 7 Friday – Estimates due. Fall break begins after classes.  
 October 17 Monday – Classes resume at 8:00 a.m.  
 October 21, 22 Friday, Saturday – Oktoberfest.  
 November 23 Wednesday – Thanksgiving holiday begins at 12:00 noon.  
 November 28 Monday – Classes resume at 8:00 a.m.  
 December 14 Wednesday – Last day of classes.  
 December 15 Thursday – Examinations begin.  
 December 16 Friday – Professional semester ends.  
 December 23 Friday – Examinations end.

## SECOND SEMESTER – 1978

January 9 Monday – Professional semester begins. Registration for upper classmen. Advising for new students.  
 January 10 Tuesday – Registration for lower classmen and new students.  
 January 11 Wednesday – Classes begin at 8:00 a.m.  
 January 20 Friday – Last day to add a class.  
 February 10 Friday – Last day to drop a class without an automatic F.  
 February 27 Monday – Estimates due.  
 March 17 Friday – Spring break begins after classes.  
 March 29 Wednesday – Classes resume at 8:00 a.m.  
 April 25 Tuesday – Classes end.  
 April 26 Wednesday – Reading Day.  
 April 27 Thursday – Examinations begin.  
 April 28 Friday – Professional semester ends.  
 May 5 Friday – Examinations end.  
 May 13 Saturday – Graduation.

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# THE COLLEGE

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Longwood College is a small, co-educational institution of approximately 2,200 students, located in Farmville, Virginia. Students attending Longwood choose a major from a variety of 31 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 for women 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 Missess 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 Saylor'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, re-finish 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 **Wygol 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 Becke-rath, 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,

other laboratory work, etc., are at the expense of the student. The College Physician communicates with the parents immediately in case of serious illness.

The Southside Community Hospital is located only a few blocks from the College. It is well equipped and is in the charge of a capable staff of physicians and surgeons. The College Physician is a member of the staff.

Every student must file a Health Record in the Infirmary. This record must include the results of an up-to-date physical examination, signed by the student's physician.

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 College each August enabling the company to send each parent a brochure explaining the benefits of the plan and the cost.

## Student Organizations and Activities

### The Student Government Association

The Student Government Association of Longwood College is a three-branch body consisting of the Legislative Board, the Judicial Board, and the Residence Board. Each branch carries out its duties through members elected directly by the student body in campus-wide elections. These three branches functioning together form a vital structure through which student opinion can be channeled.

The **Legislative Board** oversees all phases of student life. Its representatives make student regulations and discuss key problems involving the overall welfare of the student body. Through its thirteen standing committees, it strives to generate awareness of campus activities, to utilize student opinion, and to act as a liaison among the students, faculty, and administration.

The **Judicial Board** enforces the regulations made by Legislative Board and strives to instill the meaning of the Honor Code in the minds of the

students of Longwood College. Its members work with the students both openly and confidentially in their concern for the individual and his welfare.

The **Residence Board** strives to stimulate within the student body refinement in dress and conduct and to promote and enforce favorable study conditions on the campus. The work of the Residence Board is done by the officers and by the Residence Hall Presidents elected from each residence hall. Residence Hall Councils in each residence hall function under and work with the Residence Board. The purpose of Residence Board is to make and enforce the residence hall, dining hall, and fire regulations, as well as the social rules.

The underlying principles of conduct and relationship of the students, faculty members and administrative officials are embodied in the Honor System, a cherished tradition of the College. The way of life on the campus is based on the Honor Code.

The **Honor Code** serves as a practical example of a truly democratic



form of student life and self-government. Students make the rules and violators are tried by a jury of their peers. Because they appreciate the importance and convenience of their agreement to trust one another, they also recognize the need to control the few among them who are either unable or unwilling to accept the responsibilities of their mutual trust. A dishonorable act is a betrayal of the whole student body and is regarded as such. It is an Honor Code offense to lie, to cheat, or to steal in any and all academic and property matters. Lying before the Judicial Board or Residence Board or a member thereof in any manner during an investigation or trial is an Honor Code offense. Falsification of records with the intent to give untrue information is also a breach of the Honor Code.

### Student Union

The Student Union is composed of students who work for the purpose of providing entertainment and recreation as well as social, educational, and cultural activities. All interested students are given the opportunity to become immediately involved in the program.

The Student Union sponsors: a popular film series, mixers, concerts, coffee houses, seasonal and bridal fashion shows, an Experimental College, residence hall programs, and "Wheels," a travel program. Through the wide range of their programs, the Student Union appeals to the interests of all Longwood students.

### Religious Organizations and Churches

The moral and religious aspects of education are considered as important as are the physical and intellectual. During the history of the College a tradition of good will, cooperation and high standards of personal relationship has developed. Such a stabilizing influence cannot be described; it can be appreciated only through living in the atmosphere it engenders. But this intangible influence is experienced by both students and faculty to such a degree that it has become a distinct moral force in the whole College community.

The College is a home in which everyone is expected to do his part and share in a give-and-take relationship with others. Certain modes of life are prized and valued because in a long history they have proved their worth. In such an atmosphere it is difficult for the young student to fail to develop high ideals and a wholesome moral outlook on life.

The Interreligious Council, Baptist Student Union, Newman Club and Wesley Foundation provide spiritual activities to meet the needs of the students. Campus Ministers represent the Baptist, Episcopal and Methodist churches on campus.

Students are also encouraged to participate in the religious life of the community. They receive a cordial welcome from the ministers of the town to participate in their church life, which includes regular Sunday services, prayer meetings, Sunday School classes, and social gatherings. Special leaders, working with students through the medium of student organizations, are provided by some of the churches.

Farmville churches include the Baptist, Church of God, Episcopal, Lutheran, United Methodist, Presbyterian, Roman Catholic, Seventh-Day Adventist, and Wesleyan Methodist. Where there is no organized church leadership, as in the case of the Christian Scientists, students of the respective faiths usually have contact with local residents having similar church affiliations.

### **Intramural Activities Association**

All students are eligible to participate in the activities sponsored by the Intramural Activities Association, formerly known as the Athletic Association. The name was changed in 1975 to promote participation in intramurals and other activities for enjoyment of the student. Some of those activities are: Demonstration Day for incoming freshmen; Color Rush—a series of relay races between greens and reds during Oktoberfest weekend; and Song Contest—a competition between classes for the best song. The organization also sponsors various trips to athletic events for

the enthusiastic fan. These intramural activities serve as a means of student recreation. It provides a chance to have some fun, meet other students and make new friends.

### **Intercollegiate Athletic Program**

The intercollegiate athletic program at Longwood College consists of nine activities: archery, basketball (men's and women's teams), fencing (men's and women's teams), field hockey, golf, gymnastics, lacrosse, tennis, and volleyball. Interest groups, which participate on a less intensive intercollegiate level, are provided in riding and swimming. As more men enter, specific needs for additional sports will be reviewed.

The purposes of the intercollegiate athletic program include: (1) Providing competitive experiences for athletically talented individuals; (2) Providing opportunities for students to develop a high level of personal sport skill; (3) Encouraging excellence in performance of sport skills; (4) Providing a setting in which participants may experience the personal, social, mental, and physical values which are inherent in educationally sound athletic programs.

Regardless of the intensity of the competition sought, it is imperative that athletics remain second in priority to academic responsibilities and that these programs continue to be conducted upon principles which are consistent with the educational aims and objectives of Longwood College.

The intercollegiate athletic program is a joint function of the Health, Physical Education & Recreation Department and the Intercollegiate Athletic Council. This council works very closely with the Intercollegiate Committee of the Health, Physical Education & Recreation Department. This committee consists of the Intercollegiate Athletic Coordinator, Chairman of the Health, Physical Education & Recreation Department, the coaches, and student representatives of intercollegiate teams. The Departmental Intercollegiate Committee deals with minor and major problems, issues, plans, operational procedures, etc. of the intercollegiate program. Issues which have potential college-wide impact are further analyzed by the Intercollegiate Athletic Council.



Longwood College holds memberships in the following organizations: Association of Intercollegiate Athletic for Women (AIAW), Southern Region II of AIAW, and the Virginia Federation for Intercollegiate Sports for Women (VFISW). AIAW is a national organization which "provides a governing body and leadership for initiating and maintaining standards of excellence in women's intercollegiate programs." Southern Region II and VFISW are part of the AIAW regional and state organizational structure.

### **Intercollegiate Athletic Council**

The purpose of the Intercollegiate Athletic Council is to establish policies and procedures for intercollegiate athletics as they relate to the total College function, and to make recommendations to the President of the College for approval.

The role of the Council is: (1) To review athletic budgets as an auxiliary enterprise activity as submitted by the Budget Preparation Committee of the Department of Health, Physical Education & Recreation; (2) To review Title

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.

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# ADMISSIONS, PLACEMENT, AND FINANCIAL AID

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## 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 is available in the back of this catalogue, the Longwood Magazine, or may be obtained by writing to the Admissions Office. (\*This must be accompanied by an application fee of \$15.00, which is not refundable.)

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 applicant as to whether or not the applicant is accepted for admission.

Students accepted for admission will be required to make a deposit of \$50. The date the payment is due will be indicated in the admission letter. The deposit is refundable until May 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, Virginia 23901.

**Application procedure.** 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; Longwood Loan Funds in memory of 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 administered by the Financial Aid Office in memory of or in honor of: Dabney Stewart Lancaster, John P. Wynne, Lettie Pate Whitehead, O'Hara/Waldo, Herbert R. Blackwell, Sally Barksdale Hargrett, Ann Elizabeth Downey, Duke Scholarships, Alfred I. Dupont, Gamma Theta-Kappa Delta.

Grant Funds administered by the respective departments or organizations in memory of or in honor of: Lora Mae Bernard—Home Economics, Leola P. Wheeler—Speech & Drama, Nell H. Griffin—Home Economics, Elizabeth Burger Jackson—Geist, Mary Clay Hiner—English, Worthy Johnson Crafts—Home Economics, Olive T. Iler—Physical Education, Edith Stevens—Science, Badger/Magnifico—Mathematics, R. C. Simonini—English, Fred O. Wygal—Dean of Students, Samuel C. Oliver—Admissions Committee, Delta Kappa Gamma—Delta Kappa Gamma, Kappa Delta Founders—Panhellenic Council, Diane Collet—Home Economics. Application for these grant funds should be made directly to the respective department or organization. In most cases the student must be an upperclassman.

**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 Admission 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.

## 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, 204 High Street, 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.

**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.

**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, New Hampshire, 00331.



## FINANCIAL INFORMATION\*

### Fees and Expenses for Students Living in Residence Halls\*\*

	Virginia Students	Non-Virginia Students
Tuition	\$ 675.00	\$1,175.00
Comprehensive Fee***	1,575.00	1,575.00
Activities Fee	35.00	35.00
Total—Nine Months Session	\$2,285.00	\$2,785.00

### Fees and Expenses for Students Not Living in Residence Halls

	Virginia Students	Non-Virginia Students
Tuition	\$ 675.00	\$1,175.00
Comprehensive Fee***	105.00	105.00
Activities Fee	35.00	35.00
Total—Nine Months Session	\$ 815.00	\$1,315.00

\*Because of the uncertain conditions prevailing with respect to the cost of operating the institution, the College reserves the right to change its rates at any time throughout the year to meet such additional costs.

\*\*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 1977-78 charges, less any credits, will be invoiced on July 8, 1977, and are payable by August 10, 1977.

*Second Semester:* the remaining half of the 1977-78 charges, less any credits, will be invoiced on November 23, 1977 and are payable by December 21, 1977.

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.

### 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

Virginia students, while enrolled in field experiences only in student teaching, social work, business administration, or therapeutic recreation, will be charged tuition of \$195.00 and a fee of \$100.00.

Non-Virginia students, while enrolled in field experiences only in student teaching, social work, business administration, or therapeutic recreation, will be charged tuition of \$351.00 and a fee of \$100.00.

Day students who do field experiences in nearby schools will also be charged a pro-rata amount for the college activity fee.

A \$50.00 deposit is required of all students enrolling in the field experiences programs. This deposit will be invoiced on February 1, and payable by March 1. This fee is refundable until May 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 \$50.00 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 May 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: \$1.50; lunch: \$2.10; dinner: \$2.60.

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.

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# ACADEMIC INFORMATION

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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.

## Repetition of Courses

Students may repeat courses in which they have unsatisfactory grades in an effort to raise such grades; however, *credit will be granted only one time for any course.* The repeated grade will be retained on the student's permanent record and contribute to the student's average; the original grade is dropped upon completion of the repeated course.

## 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 credits assigned to the courses in which the student has been enrolled. *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 quality 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. 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.

In general, a student whose cumulative quality point average is 1.6 at the end of the freshman year (30 hours attempted) will need a 2.0 average in the sophomore year to achieve a cumulative quality point average of 1.8 after the completion of 60 hours. A student whose cumulative quality point average is 1.8 based upon 60 hours will need a 2.4 the following year to achieve a 2.0 by the end of the junior year (90 hours attempted.)

For students who start their academic careers in the summer or during the second semester, a year will end when they have attempted 30 hours.

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 semester 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.*

Students are reminded that they must have a cumulative quality point average of 2.0 by the end of their junior year or after they have attempted 90 or more semester hours of work.

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 (30 hours attempted).
- 1.8 at the end of the sophomore year (60 hours attempted).
- 2.0 at the end of the junior year (90 hours attempted).
- 2.0 at the end of the senior year (126 or 128 hours earned).

*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 year. Upon being readmitted, the student has twelve months to remove the academic deficiency.

### **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 average. 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 Col-

lege 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.
3. The student must have adequate preparation in the major field or field of concentration with a cumulative average of "C" on work taken at Longwood College.

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 must possess good health and freedom from physical and emotional handicaps which would prove detrimental to success in teaching.
6. The student shall have demonstrated effective command of communicative skills.
7. The departmental chairman of the major field shall recommend that the student be allowed to pursue a teacher education curriculum.
8. The student may, at the discretion of the committee, be required to submit evidence or pass such tests regarding physical, emotional or 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.





- 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:

- Completion of all study required in one of the five degree programs offered.
- 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.
- 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.
- All students must demonstrate swimming proficiency. Students may either pass the College swimming test, or pass a swimming course to fulfill this requirement.
- Removal of communication conditions, if any.
- 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.)

- Not more than fourteen hours by correspondence nor more than thirty hours by correspondence and/or extension.
- The maximum length of residence within which the requirements for a degree must be met is ten semesters.
- Approval of the individual by the general faculty as a worthy candidate for graduation.
- 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 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*—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 Degree)

- 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)

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)

A four-hour laboratory course in two of the following areas is required: Astronomy, Biology, Chemistry, Geology, Physical Science and Physics.

#### Mathematics (all degrees)

All students must complete six hours of mathematics.

#### 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, 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 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 31 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.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.
Economics	B.S.,B.A.
Elementary Education	B.S.
English	B.A.
French	B.A.
Geography	B.S.,B.A.
Government	B.S.,B.A.
Health & Physical Education	B.S.
History	B.S.,B.A.
Home Economics	B.S.

Latin	B.A.
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 in which they wish to minor, since detailed information on minor programs was not available when this bulletin went to press.

### 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 cooperative 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. The three-year pre-medical technology program fulfills the baccalaureate requirements in this field and the fourth year of professional training may be taken from 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.

Because of the increased interest in careers in the medical sciences, admission to professional programs in the medical schools is extremely competitive. Therefore, even though a student has successfully completed the pre-professional course work at Longwood,

admission to a professional program cannot be guaranteed by the College.

### **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.

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## ACADEMIC PROGRAMS

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**I**nstruction in the College is offered by the departments described in this section of the catalogue. Some related departments are organized into divisions, others are not. Included in the description of each department are the requirements for the major(s) therein, a description of the courses it offers, and a listing of its faculty members.

A number of courses in most departments have prerequisites. When a prerequisite is noted in a course description, the student must take the prerequisite course first. Courses with numbers divided by a comma, such as 101, 102, are semester courses. This means that the College gives credit toward graduation for successful completion of one of the courses even though the student may not take the other course. Courses in which the numbers are hyphenated, such as 101-102, are year courses. Students must complete both courses before either can count toward the fulfillment of degree requirements.

There are eleven basic units of instruction at the College: the departments of Art; Business and Economics; Education and Psychology; Health, Physical Education and Recreation; Home Economics; Library Science; Mathematics; Music; and Natural Sciences. The divisions of History and Social Sciences includes the departments of History and Government, and of Sociology and Anthropology. The division of Language, Literature and Philosophy includes the departments of English and Philosophy, of Foreign Languages, and of Speech and Dramatic Arts.

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## DEPARTMENT OF ART

Barbara L. Bishop, *Chairman*

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The Department of Art at Longwood College occupies the Bedford Art Building, one building in the Fine Arts Complex. The building contains eight multi-purpose studios, an outdoor work area, an exhibition gallery, and an auditorium seating 176.

The primary educational objective of the Department of Art is to provide quality baccalaureate degree programs in art education and the liberal arts, with concentrations in Art History or Studio; to offer a variety of courses that fulfill general education requirements, and to provide specialized courses for elementary and home economics majors, as well as students pursuing study in the field of communications and therapeutic recreation. The curriculum includes all of the major arts and Art History.

While a foundation in art techniques, theory, and art history is essential, creative experimentation and concept development are encouraged. Students may choose a field of specialization or concentration, form their own concepts, and develop individual methods. The Department of Art emphasizes the development of personal expression, the humanities, and aesthetic judgment, and the relationship of the content of art in the nature of learning and human development essential for a liberal education.

The Art Department also provides aesthetic and cultural enrichment opportunities for the academic community through lectures, workshops, and demonstrations by well-known artists and art educators; presents exhibits of student and professional work; sponsors an after-school art workshop program for children and adolescents from the community; and offers opportunities for members of the community to take courses in art studio, art education, and Art History. The department also supports and encourages aesthetic opportunities such as those offered by the departments of Music and Dramatic Arts, as well as the Visiting Scholars Program, the Virginia Museum Artmobile, and programs scheduled by the local chapter of the Virginia Museum.

The following courses are acceptable for fulfillment of general education requirements for all students except art majors: Art 110, 120, 130, 155, 160, 215, 223, 250, 256, 257, 258, 261, 262, 270, 271, 357, 361, 363, 364, 366, 367; all others are also acceptable when prerequisites are met as specified in course descriptions, except Art 341-342, 441 and 442.

Freshman, sophomore, and transfer art majors are required to present a specified number of their works for review by a committee of the art faculty. The interview procedure takes place in the second semester.

Junior art education and studio majors are required to present an annual exhibition of their work completed at Longwood College. Students who are concentrating in Art History have the option of exhibiting their work if they so desire.

The Art Department staff reserves the privilege of retaining student work to be used for educational purposes.

Field trips in some lecture and studio classes involve nominal cost for the students. Also, students may be required to furnish all supplies and tools needed in various studio classes. Estimated costs for all classes are on file in the Financial Aid Office and Art Department office.

**\*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. Baldrige, 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. DRAWING II**

Development of drawing skills in a wide range of subject matter including figure construction. Prerequisite: Art 130. 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 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. Mr. Alexick.

**Art 213. CERAMICS**

Forming, decorating, glazing, and firing pottery. Prerequisite: one of the following—Art 110, 120, 130, 160, 250, 270, or permission of instructor. 4 periods a week; 3 credits. Mr. Alexick.

**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 215. FABRICS AND FIBERS**

Exploration in the use of fibers, fabrics, dyes in the construction of macrame, weaving, batiks, collages, and fabric printing 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 television advertising. Prerequisite: Art 120. 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. Baldrige.

**\*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. Prerequisite: Art 250. 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. Mr. Alexick, Mrs. Lemen.

**Art 271. PAINTING II**

Continuation of Painting I. Uses of several media including acrylics, watercolors, and oils. Prerequisite: Art 270. 4 periods a week; 3 credits. Mrs. Lemen.

**Art 311. ENAMELS**

The design and production of vitreous enamels using copper as the metal base. Prerequisite: one of the following—Art 110, 120, 213, 250, 270 or permission of instructor. 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. Prerequisite: one of the following—Art 110, 120, 250, 270, or permission of instructor. 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. Mr. Alexick, Miss Mitchell, Mr. Springer.

**Art 351. PRINTMAKING: SERIGRAPHY**

The silk screen process of printing as an aesthetic expression. Prerequisite: Art 120 or 270. 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: Art 256 or 257, or permission of instructor. 4 periods a week; 3 credits. Mrs. Schrader-Hooker.

**\*Art 361. HISTORY OF WESTERN ART OF THE 19TH AND 20TH CENTURIES**

Three 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 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 adaption 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 213 and permission of instructor. 4 periods a week; 3 credits. Mr. Alexick.

*Art 413. JEWELRY II*  
Continued exploration of various metals and techniques with strong emphasis on design. (May be continued as Art 418, 419, etc. 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 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 repeated as 431, 432, 433. 3 credits. 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. Study includes teaching in After-School Art Program for Young People. 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. Study includes teaching in After-School Art Program for Young People. 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, and experimentation. The conclusion will be presented as a project or term paper. Permission of instructor required for enrollment. Hours to be arranged; 3 credits. Miss Bishop, Miss Mitchell, Mr. Springer.

*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. Permission of instructor required for enrollment. 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. Hours to be arranged; 3 credits. May be repeated as 481. Miss Thompson.



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## COURSE REQUIREMENTS

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The department offers majors in Art and Art Education. Art majors earn a Bachelor of 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.

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### ART EDUCATION MAJOR B A DEGREE

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#### *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/6 credits  
 Health Education 100/1 credit  
 Physical Education Activity Courses/3 credits  
 TOTAL/51 credits  
 (\*Philosophy 381 recommended)

#### *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 361,363,364,366,367,368, or 369/3 credits  
 Art 381,382/6 credits  
 Art 441/3 credits  
 TOTAL/45 credits  
 (\*\*Art 442 [3 credits] is required if endorsement 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 graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

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### ART MAJOR B A DEGREE WITH ART HISTORY CONCENTRATION

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#### *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 Sciences/9 credits  
 Science/8 credits  
 Mathematics/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 361,363,364,366,367,368, 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 graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

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**ART MAJOR**  
**B A DEGREE WITH STUDIO CONCENTRATION**

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*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 Sciences/9 credits  
 Science/8 credits  
 Mathematics/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 361,363,364,366,367,368, 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/57 credits

*Electives (general)/18 credits*

**\*\*FIELD OF CONCENTRATION**

*Printmaking and 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 hours) 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.

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**ART EDUCATION MAJOR**  
**B S DEGREE**

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*General Education Requirements*

Dramatic Arts or Music/6 credits  
 English 100, 101/6 credits  
 Literature/3 credits  
 Humanities\*/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/48 credits  
 (\*Philosophy 381 recommended.)

*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 361,363,364,366,367,368, or 369/  
 3 credits  
 Art 381,382/6 credits  
 Art 441/4 credits  
 TOTAL/45 credits  
 (\*\*Art 442 [3 credits] is required if endorsement 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 graduation, with a cumulative average of 2.0, and a 2.0 average in all major courses.

**FACULTY**

David F. Alexick, *Assistant Professor*  
 B.F.A., M.F.A., Virginia Commonwealth University; Ph.D., Pennsylvania State University  
 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  
 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

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# DEPARTMENT OF BUSINESS AND ECONOMICS

John E. Carr III, *Acting Chairman*

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The Department of Business and Economics offers courses leading to the Bachelor of Science in Business Administration, the Bachelor of Science in Business Education, the Bachelor of Science or Bachelor of Arts with a major in Economics, 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 the following areas: Stenography, General Office Procedures, Accounting, Economics, Basic Business, and Data Processing.

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## ACCOUNTING

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### *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. 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 material, labor, and overhead. Emphasis upon application of fundamental concepts. Prerequisite: Accounting 241, 242. 3 periods a week; 3 credits. Mr. Carr.

### *Business 326. GOVERNMENT ACCOUNTING*

The theory and practice of accounting as applied to federal, state, and local governments and nonprofit institutions. Examination of classification, use, and control of funds, budgetary controls, and financial statements and reports. Prerequisite: Accounting 241, 242. 3 periods a week; 3 credits. The Staff.

### *Business 327. MANAGERIAL ACCOUNTING*

Accounting concepts and techniques for managerial planning and control. Attention is given to cash flow, cost accounting and analysis, budgeting, capital outlay decisions, evaluation of performance, and current and long-range planning. Prerequisite: Accounting 241, 242. 3 periods a week; 3 credits. The Staff.

### *Business 343. INTERMEDIATE ACCOUNTING*

Survey of basic accounting principles; working capital, noncurrent items, and corporate capital. Concepts of profit and loss measurement and analytical processes of statement preparation. Prerequisite: Business 241, 242. 3 periods a week; 3 credits. Mr. Leeper.

### *Business 344. INCOME TAX AND PAYROLL ACCOUNTING*

Practical problems leading to filing of acceptable income tax returns to the United States Internal Revenue Service and to the State of Virginia. Practical problems for social security benefits and payroll tax deductions; required accounting records. 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: Accounting 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 343. 3 periods a week; 3 credits. The Staff.

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## BASIC BUSINESS

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### *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 220. BUSINESS COMMUNICATIONS*

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

### *Business 253. BUSINESS MATHEMATICS*

Review of fundamental mathematical processes and decimal and common fractions. Emphasis on percentage, interest, discounts, payroll and taxes, markon, commissions, notes and depreciation. 3 periods a week; 3 credits. Mrs. Hamlett.

**Business 349. OFFICE EXPERIENCES OR SELLING EXPERIENCE**

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

**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, wills and inheritance. Second semester emphasis is on the uniform commercial code; debtors and creditors; partnerships and corporations; real and personal property. 3 periods a week; 3 credits each semester. The Staff.

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**DATA PROCESSING**

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**Business 356. INTRODUCTION TO DATA PROCESSING**

Fundamental systems; machine orientation and essential operations, methods of coding and condensing data; data processing application and procedures. 2 periods a week; 3 credits. The Staff.

**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. DATA PROCESSING PROGRAMMING AND TECHNIQUES**

A study of computer language as applied to the physical sciences, social sciences, and the management of complex organizations. Techniques of flow charting and block diagramming. Prerequisite: Business 356. 3 periods a week; 3 credits. The Staff.

**Business 362. DATA PROCESSING SYSTEMS**

Principles and methods of analysis, design, and implementation of computer-based data and information systems. Prerequisite: Business 356. 3 periods a week; 3 credits. The Staff.

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**ECONOMICS**

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**\*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. The Staff.

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

Three periods a week; 3 credits each semester. The Staff.

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

A study of the economy of the United States from the beginning of the Jamestown Colony to the present. Prerequisite: Economics 202 or 231, 232. 3 periods a week; 3 credits. The Staff.

**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. The Staff.

**Economics 350 (Social Work 350). THE ECONOMICS OF WELFARE**

An economic analysis of poverty, unemployment, and the problems of education and housing for low-income people together with a critical examination of the economics of medicare, social security, urban renewal and other government welfare programs. Prerequisite: Economics 231-232. 3 periods a week; 3 credits. The Staff.

**Economics 351. URBAN ECONOMICS**

A study of the economic factors affecting urban communities. Three periods a week; 3 credits. The Staff.

**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 the present. Prerequisite: Economics 202 or 231-232. 3 periods a week; 3 credits. The Staff.

**Economics 460, 461, 462. ECONOMIC SEMINAR**

Offered on demand; 1 period a week; 1 credit. The Staff.

**Economics 465. INTERNATIONAL TRADE**

A study of the fundamental principles of international trade, balance of payments problems, and the problems of foreign exchange. Offered on demand; 3 periods a week; 3 credits. The Staff.

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**FINANCE**

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**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: Accounting 241, 242. 3 periods a week; 3 credits. The Staff.

**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 382. SECURITIES ANALYSIS AND PORTFOLIO MANAGEMENT*

Selection and application of the tools and techniques for analyzing economic conditions, industries, and individual companies, using published information. Problems in the identification, timing, diversification, and other aspects of investment funds supervision are examined. Prerequisite: Business 341. 3 periods a week; 3 credits. The Staff.

*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. 3 periods a week; 3 credits. The Staff.

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**MANAGEMENT**

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*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. The Staff.

*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 254. 3 periods a week; 3 credits. The Staff.

*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. 3 periods a week; 3 credits. Mr. Carr.

*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 228 and 254. 3 periods a week; 3 credits. The Staff.

*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. 3 periods a week; 3 credits. Mr. Christian.

*Business 380. COMPENSATION MANAGEMENT*

An introduction to the administration of wage and salary as a tool of management. Analysis of job description, job analysis, and job evaluation in the establishment and implementation of compensation plans and policies. Attention is given to wage theories, determinants of wage rates, and current practices in wage and salary administration. Prerequisite: Business 257. 3 periods a week; 3 credits. The Staff.

*Business 381. PURCHASING*

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

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**MARKETING**

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*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. The Staff.

*Business 251. RETAILING PRINCIPLES AND PRACTICES.*

Retail store organization and management; personnel, buying, selling, sales campaigns, and inventories. 3 periods a week; 3 credits. The Staff.

*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 programming 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. Leeper.

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**REAL ESTATE-INSURANCE**

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*Business 218. PRINCIPLES OF REAL ESTATE*

Principles and practices of real estate as reflected in the purchasing, owning, and operating of 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 319. REAL ESTATE FINANCE**

A study of the institutions, instruments, and techniques of financing real estate. Emphasizes policies and procedures used in commercial and industrial property financing including commercial leasing. Prerequisite: Business 218. 3 periods a week; 3 credits. The Staff.

**Business 320. REAL ESTATE LAW AND VALUATION**

The law of property rights and liabilities, real estate instruments, estates and interest, and liens. Examines the principles and methods of valuing business and residential land and improvements. Prerequisite: Business 218. 3 periods a week; 3 credits. The Staff.

**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 370. LIFE AND HEALTH INSURANCE**

The functions of life and health insurance to the American family and community. Examines the mechanics of private and public insurance, group insurance and pensions, and annuities. Prerequisite: Business 345. 3 periods a week; 3 credits. The Staff.

**Business 371. PROPERTY AND CASUALTY INSURANCE**

Insurance coverage as applied to commercial and industrial property including fire, marine, automobile, and general liability insurance. Examination of fidelity and surety bonds, current underwriting practices, analysis of risk, rating, and cost control. Prerequisite: Business 345. 3 periods a week; 3 credits. The Staff.

**Business 372. SOCIAL-GOVERNMENT INSURANCE**

A study of the fundamental aspects of public and private insurance programs including the Social Security Act, Unemployment Compensation, Workmen's Compensation, Medicare, and other approaches. Attention is given to the nature and causes of economic insecurity in our society. Prerequisite: Business 345. 3 periods a week; 3 credits. The Staff.

**Business 421. PROPERTY MANAGEMENT**

A study of the economic and social functions of land use patterns; planning and zoning. Attention is given to investment decisions and management procedures for real property. Prerequisite: Business 218. 3 periods a week; 3 credits. The Staff.

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**STENOGRAPHY AND GENERAL OFFICE PROCEDURES**

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**Business 121. ELEMENTARY TYPEWRITING**

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. The Staff.

**Business 131. ELEMENTARY SHORTHAND**

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

**Business 221. INTERMEDIATE TYPEWRITING**

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. The Staff.

**Business 222. ADVANCED TYPEWRITING**

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. Mrs. Hamlett, Miss Thompson.

**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. Mrs. Hamlett, Miss Thompson.

**Business 232. ADVANCED SHORTHAND 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; student 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. Miss Thompson.

**Business 436. OFFICE MANAGEMENT AND PROCEDURES**

A study of the management function in the modern office; problem solving through job and systems analysis; methods of office procedures and records control. 3 periods a week; 3 credits. The Staff.



**Business 453. SECRETARIAL PROCEDURES**

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 232. 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 ADMINISTRATION PRACTICUM**

**Business 400. SENIOR PRACTICUM**

A supervised work experience. 16 credits.

**BUSINESS TEACHER EDUCATION**

**Business 449. METHODS OF TEACHING ACCOUNTING AND DATA PROCESSING**

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.) 3 credits. Summer only. The Staff.

**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.) 3 credits. Summer only. The Staff.

**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. 40 hours of classwork; 3 credits. Summer only. Mrs. Noblitt.

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## COURSE REQUIREMENTS

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Students in this department may major in Economics, earning a Bachelor of Arts or a Bachelor of Science degree; 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 Accounting, Data Processing and Basic Business, Accounting, Economics and Basic Business, General Office Procedures, or Stenography. Students majoring in Business Administration may concentrate in Accounting, Finance, Marketing, Management, or Real Estate-Insurance.

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### *B.S. DEGREE IN BUSINESS EDUCATION* *Accounting, Data Processing, and Basic Business Endorsement*

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#### *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, 112; 161,  
 162/6 credits  
 Health Education 100/1 credit  
 Physical Education Activity Courses/3 credits  
 TOTAL/48 credits

#### *Major Requirements*

Business 121\*/3 credits  
 Business 151/3 credits  
 Business 220/3 credits  
 Business 241, 242; 343, 344/14 credits  
 Business 252/3 credits  
 Business 351/3 credits  
 Business 356/3 credits  
 Business (Data Processing electives)/9 credits  
 Business (Marketing, Finance, Management  
 electives)/6 credits  
 TOTAL/47 credits  
 (\*Three-hour typewriting requirement  
 may be omitted on the basis of profi-  
 ciency.)

Student must successfully complete Business 121, 151, 220, 241, 242, 252, 351, 356; 9 hours of data processing; Economics 231, 232; and at least one of the following: Business 449, 452; before enrolling for student teaching.

#### *The following courses must be taken for teaching certification*

Psychology 250/3 credits  
 Education 455/3 credits  
 Business 449, 452/4 credits  
 Education 402, 480, 482, 484, 486,  
 488/18 credits  
 TOTAL/28 credits

(Endorsement to teach accounting, basic business and data processing.)

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### *B.S. DEGREE IN BUSINESS EDUCATION* *Accounting, Economics, and Basic Business Endorsement*

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#### *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 151/3 credits  
 Business 121, 221, 222\*/9 credits  
 Business 241, 242, 243, 344/14 credits  
 Business 252/3 credits  
 Business 251 or 454/3 credits  
 Business 351/3 credits  
 Business 356/3 credits  
 Economics 355/3 credits  
 Economics electives/9 credits  
 TOTAL/50 credits  
 (\*Six hours of typewriting requirement  
 may be omitted on the basis of profi-  
 ciency.)

Student must successfully complete Business 121, 151, 221, 222, 252, 343, 351, 356; Economics 231, 232, 355; 3 hours from Business 228, 251, 254, 329, 436, 454; and at least one of the following: Business 449, 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 449, 451, 452/6 credits  
 Education 402, 480, 482, 484, 486,  
 488/18 credits  
 TOTAL/30 credits

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

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*B.S. DEGREE IN BUSINESS EDUCATION  
General Office Procedures Endorsement*

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*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 241, 242, 343, 344/14 credits  
Business 251, 228, 329, 454/3 credits  
Business 252/3 credits  
Business 253, 345, 355 or Economics  
355/3 credits  
Business 351, 352/6 credits  
TOTAL/50 credits  
(\*Six hours of the typewriting require-  
ment may be omitted on the basis of  
proficiency.)

Student must successfully complete Business  
121, 151, 220, 222, 241, 252, 343, 351, 352,  
356; 3 hours from Business 253, 345, 355,  
Economics 355; 3 hours from Business 436,  
460, 254; Economics 231, 232; and at least  
one of the following: Business 449, 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 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.)

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*B.S. DEGREE IN BUSINESS EDUCATION  
Stenography Endorsement*

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*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, 232/3 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, 254, 329, 436, or  
454/3 credits  
Business 241, 242/8 credits  
Business 252/3 credits  
Business 253, 345, 355, or Economics  
355/3 credits  
Business 351/3 credits  
Business 356/3 credits  
Business 453/3 credits  
TOTAL/50 credits  
(\*Six hours of the typewriting and short-  
hand requirements may be omitted on  
the basis of proficiency.)

Student must successfully complete Business  
121, 131, 151, 220, 221, 231, 232, 241, 242,  
252, 351, 356, 453; 3 hours from Business  
228, 251, 254, 329, 436, 454; 3 hours from  
Business 253, 345, 355, Economics 355;  
Economics 231, 232; and at least one of the  
following: 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.)

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

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*General Education Requirements*

Art, Music or Dramatic Arts/6 credits  
English 100, 101/6 credits  
Literature/3 credits  
Humanities elective/3 credits  
Sociology 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 327/3 credits  
Business 343/3 credits  
Business 344/3 credits  
Business 474/3 credits  
Business 475/3 credits

Business 400/16 credits

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

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*General Education Requirements*  
Art, Music or Dramatic Arts/6 credits  
English 100, 101/6 credits  
Literature/3 credits  
Humanities/3 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*  
Business 340/3 credits  
Business 355/3 credits  
Business 380/3 credits  
Business 382/3 credits  
Business 383/3 credits  
Economics 355/3 credits  
TOTAL/18 credits  
  
Business 400/16 credits

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

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*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 380/3 credits  
Business 381/3 credits  
Psychology 359/3 credits  
TOTAL/18 credits  
  
Business 400/16 credits

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

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*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

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**B.S. DEGREE IN BUSINESS ADMINISTRATION**  
*Real Estate-Insurance Concentration*

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*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  
Science/8 credits  
Mathematics 111, 113/6 credits  
Social Science elective/3 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 218/3 credits  
Business 319/3 credits  
Business 320/3 credits  
Business 345/3 credits  
Business 370/3 credits  
Business 371/3 credits  
Business 421/3 credits  
  
Business 400/16 credits

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*ECONOMICS MAJOR*  
*B.S. DEGREE*

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*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  
Mathematics 111, 113/6 credits  
Science/8 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/3 credits  
TOTAL/48 credits

*Major Requirements*

Business 241, 242/8 credits  
Economics 306/3 credits  
Economics 342/3 credits  
Economics 350/3 credits  
Economics 351/3 credits  
Economics 355/3 credits  
Economics 460, 461, 462/3 credits  
TOTAL/26 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

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*OFFICE ADMINISTRATION MAJOR*  
*B. S. DEGREE*

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*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  
History 121 or 122/3 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.

**FACULTY**

John E. Carr III, *Professor and Acting Chairman*  
B.S., The Citadel; MBA, 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

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

James S. Mitchell, *Instructor*  
B.A., M.B.A., College of William and Mary

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

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

J. Kempton Shields II, *Instructor*  
B.A., M.B.A., College of William and Mary

Sarah Lowe Thompson, *Assistant Professor*  
B.S., Concord College; M.S., University of Tennessee; C.P.S., The Institute for Certifying Secretaries



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# JOHN P. WYNNE CAMPUS SCHOOL

Crayton L. Buck, *Director*

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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**

Helen F. Alexick, *Assistant Professor*  
B.S., Trinity College; M.Ed., University of North Carolina at Chapel Hill  
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  
Ruth L. Budd, *Instructor and Director of Physical Education*  
B.A., Madison College; M.S., James Madison University  
Toy D. Dowdy, *Assistant Professor*  
B.S., M.S., Longwood College  
Mary Meade Edwards, *Instructor and Director of Reading*  
B.S., Longwood College

Mary Wallace Elmore, *Assistant Professor*  
B.A., Birmingham Southern College; M.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  
Cecil M. Kidd, *Instructor and Librarian*  
B.S., Longwood College  
Cathy O. McCanless, *Instructor and Acting Director of Music*

B.M.E., Longwood College  
Carol Christine McCray, *Instructor*  
B.S., Illinois Wesleyan University  
\*\*W. Bruce Montgomery, *Assistant Professor and Director of Music*  
B.S., Milligan College; M.Ed., College of William and Mary  
Gretchen Unterzuber, *Instructor*  
B.S., Radford College; M.Ed., Virginia Commonwealth University  
Jacqueline J. Wall, *Instructor and Director of Art*  
B.A., Westhampton College

\*on leave of absence 1977-78

\*\*on leave of absence 1976-78

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# DEPARTMENT OF EDUCATION AND PSYCHOLOGY

Charles H. Patterson, *Chairman*

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The Department of Education and Psychology offers undergraduate majors in two fields, elementary education and psychology. Graduate programs are available in early childhood, supervision, counselor education, and reading. Students interested in the Graduate Program should write to the Dean of the College for a graduate bulletin.

The undergraduate major in elementary education is divided into two patterns. Pattern A leads to specialization and certification in the Nursery, Kindergarten and Grades 1, 2, and 3. Pattern B leads to specialization and certification in Grades 4, 5, 6, and 7. The student will normally make a final decision regarding his area of specialization at the beginning of the sophomore year.

**Reading Endorsement** – The Departments of Education and English offer elementary and secondary majors in the teacher education program the opportunity to qualify for teacher certification endorsement in reading. This endorsement constitutes an added area of certification, but not a major. Requirements for the endorsement are: Education 325; Education 429; Education 480; Education 525; Education 526; Education 527; English 282 or English 570; English 280 or English 281; Psychology 240 or Psychology 250.

*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 handicapped, 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). Prerequisites: 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.



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**THE STUDENT TEACHING  
PRACTICUM**

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**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 21. 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 21. 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 21. 10 credits. The Staff.

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

5 credits. The Staff.

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

5 credits. The Staff.

**Education 405. DIRECTED PRACTICUM IN LIBRARY SCIENCE**

5 credits. The Staff.

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**THE PROFESSIONAL MODULE**

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**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.

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**PSYCHOLOGY**

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**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. 2 periods lecture and one double period lab per week; 3 credits each semester. Prerequisite: Psychology 134. 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. Prerequisites: 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 Session only. 6 credits. Mrs. Woodburn and 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 audiovisual 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*

Art 341/3 credits  
Biology 102/4 credits  
Economics 202/3 credits  
English 100,101,282/9 credits  
English literature electives/3 credits  
Health Education 100,360/4 credits  
History 111,112/6 credits  
History 121 or 122/3 credits  
Mathematics 123,124/6 credits  
Music 242/3 credits  
Physical Science 101/4 credits  
TOTAL/48 credits

#### *Interdisciplinary Major Requirements*

Art 342/3 credits  
Biology 103/4 credits  
Education 325,429/6 credits  
English 280/3 credits  
Geography 201,212/6 credits  
Physical Education Activities Courses/2 credits  
Mathematics 323/3 credits  
Music 342/3 credits  
Physical Science 102/4 credits  
Science 362/3 credits  
Speech 101/3 credits  
TOTAL/40 credits

#### *Professional Education Requirements*

*Pattern A (NK-3)*  
Education 453, 400, 480, 482, 484, 486,  
488/21 credits  
Psychology 240, 250/6 credits  
TOTAL/27 credits

*Pattern B (4-7)*  
Education 454, 401, 480, 482, 484, 486,  
488/21 credits  
Psychology 240, 250/6 credits  
TOTAL/27 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 401/3 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

## FACULTY

John E. Arehart, *Assistant Professor*  
B.A., Southwestern at Memphis; M.Ed.,  
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, *Associate 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

Elmer W. Bowington, *Associate Professor*  
B.A., University of the Americas; M.Ed.,  
Ed.D., University of Virginia

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*  
*of the Department*  
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 University;  
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., Uni-  
versity of Hawaii; Ph.D.; Kent State  
University

David B. Stein, *Instructor*  
B.A., Brooklyn College; M.S., 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.S., 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

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# DEPARTMENT OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

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Shirley M. O'Neil, *Chairman*

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The department has as its primary purpose to educate future leaders in the fields of health, physical education and recreation. Opportunities for students to engage in recreational activities are also provided.

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, or leisure services; (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 students will develop a skill competency in at least one individual sport or activity and in some area of 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 and a general self-image course designed to meet present needs and interests of college students through exercise, body mechanics including circuit training and fitness programs. 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 (cardio-vascular 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. 3 periods a week; 1 credit. The Staff.

*Physical Education 104. Fencing I-II.*

*Physical Education 105. Gymnastics 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, Intermediate, Synchronized.*

*Physical Education 111. Seasonal activity courses; two half-semester 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-semester classes 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. Gymnastics Judging.*

*Physical Education 117. Yoga.*

*Physical Education 118. Ballet.*

*Physical Education 119. Folk Dance I-II.*

*Physical Education 120. Volleyball 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, (I, II, III, IV). VARSITY SPORTS PARTICIPATION*

Open to all students who demonstrate competence in a sport. Try-outs are required. A student may earn a total of 8 credits in a varsity sport participation, 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. Intercollegiate Archery—Womens'.*

*Physical Education 163. Intercollegiate Basketball—Womens' and Mens'.*

*Physical Education 165. Intercollegiate Fencing—Womens' and Mens'.*

*Physical Education 167. Intercollegiate Field Hockey—Womens'.*

*Physical Education 169. Intercollegiate Golf—Womens' and Mens'.*

*Physical Education 171. Intercollegiate Gymnastics—Womens'.*

*Physical Education 173. Intercollegiate Lacrosse—Womens'.*

*Physical Education 175. Intercollegiate Swimming—Womens'.*

*Physical Education 177. Intercollegiate Tennis—Womens' and Mens'.*

*Physical Education 179. Intercollegiate Volleyball—Womens'.*

*Physical Education 181. Intercollegiate Soccer—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 211. 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 24 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 who have not had a course in physiology and anatomy are required to take Biology 206-207. Students planning to transfer from junior colleges should endeavor to include physiology and anatomy in their programs before transferring to Longwood. It is also recommended that transfer students have as many activity courses as possible before transferring.

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

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

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#### PROFESSIONAL PHYSICAL EDUCATION

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*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, folk and square dance. 5 periods a week; 2 credits each semester. The Staff.

*Physical Education 225. MOTOR LEARNING*

Basic concepts underlying motor learning including neurophysical bases, feedback, perception and other factors influencing rate and amount of motor learning. 3 periods a week; 3 credits. Miss Johnson.

*Physical Education 250. INTRODUCTION TO HEALTH, PHYSICAL EDUCATION AND RECREATION*

Historical survey of health, physical education and recreation and analysis of the foundations and application of the different philosophies of health, physical education and recreation exemplified in current practice. 3 periods a week; 3 credits. The Staff.

*Physical Education 261. PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL*

Physical Education principles and activities for the elementary school. 3 periods a week; 3 credits. 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. 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. Mrs. Price.

*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: Dramatic Arts 100, 201, 202 for Dramatic Arts credit, or 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, research and athletics; and training factors for different sports. Prerequisite: Physical Education 300, 306. 3 periods a week; 3 credits. The Staff.

*Physical Education 404. SEMINAR IN ELEMENTARY SCHOOL PHYSICAL EDUCATION*  
Contributions of a variety of physical education activities including physical fitness skills and motor performance tests, grading procedures, body measurements, written tests, and classification of students. 5 periods a week; 3 credits. Mrs. Bobbitt.

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

*Physical Education 428. SURVEY OF CONTEMPORARY DANCE FORMS*  
Comparative study and analysis of the literature pertaining to classical and modern ballet, modern dance, and current theater dance. Previous experience and study in ballet and/or modern dance. 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. 3 credits. (May be taken as 461 or 462 for 1 or 2 credits respectively.) Miss Heintz.

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#### HEALTH EDUCATION

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*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 336. SAFETY AND FIRST AID*  
A course in general safety, accident prevention and first aid. American Red Cross text will be used. 3 periods a week; 3 credits. The Staff.

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

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HEALTH AND PHYSICAL  
EDUCATION

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*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. 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 period a week; 3 credits. Mrs. Bobbitt.

*Health and Physical Education 402.*  
**ORGANIZATION AND ADMINIS-  
TRATION 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.

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THERAPEUTIC RECREATION

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*Recreation 210. INTRODUCTION  
TO THERAPEUTIC RECREATION*

History; philosophy; rationale for service; professional development; analysis of symptomology and causes inherent to various special populations; therapeutic settings; and employment opportunities. 3 credits. The Staff.

*Recreation 213. INTRODUCTION  
TO 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 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. 2 credits. The Staff.

*Recreation 308. THERAPEUTIC  
RECREATION IN THE MEDICAL  
SETTING*

A survey of medical facilities, services and administrative organizational procedures with a strong emphasis being placed on medical terminology. 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 applications; and problem solving. 3 credits. The Staff.

*Recreation 340. ADAPTED, DEVELOP-  
MENTAL 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 credits. The Staff.

*Recreation 370. PROGRAM AND  
DEVELOPMENT OF THERAPEUTIC  
RECREATION*

Study and practice of planning, conducting and implementing therapeutic activity programs; rationale for activity development; practical fieldwork 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 INTERN-  
SHIP*

A 10-week supervised therapeutic recreation fieldwork experience will be required during the student's junior year. 10 weeks; 10 credits. The Staff.

*Recreation 400. SENIOR INTERN-  
SHIP*

A 16-week 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.

*Recreation 406. SEMINAR*

A series of presentations and discussions concerning internship experiences in a variety of therapeutic recreation settings. Prerequisite: Recreation 400. 2 credits. The Staff.

## COURSE REQUIREMENTS

The department offers two majors: Health, Physical Education and Recreation; and Therapeutic Recreation. Students majoring in either of these earn a Bachelor of Science degree. The requirements for each major are listed below:

### HEALTH, PHYSICAL EDUCATION, AND RECREATION 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 250/3 credits  
Physical Education 261/3 credits  
Physical Education 303/2 credits  
Health Education 336/3 credits  
Physical Education 338/3 credits  
Physical Education 339/3 credits  
Physical Education 340/3 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 Concen- tration

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 Dance Concentration

Physical Education 206, I,II,III,IV/8 credits  
Physical Education 322/2 credits  
Physical Education 357 (Dramatic Arts  
357)/3 credits  
Physical Education 358 (Dramatic Arts  
358)/3 credits  
Physical Education 428/2 credits  
TOTAL/18 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 301/3 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

### THERAPEUTIC RECREATION MAJOR B.S. DEGREE

#### General Education Requirements

Art, Music, Dramatic Arts/6 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 101/4 credits  
Biology 206/4 credits  
Mathematics/6 credits  
Health Education 100/1 credit

State University; Ph.D., Kent State  
University

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

Mary A. Heintz, *Professor, Vice-Presi-  
dent for Student Affairs, and Dean of  
Students*

B.S., Sargent College of Physical Edu-  
cation; M.S., University of Tennessee;  
Ph.D., University of Iowa

\*Carolyn V. Hodges, *Assistant Professor*  
B.S., Lynchburg College; M.S., Univer-  
sity 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

Earlene D. Lang, *Instructor*  
B.S., M.S., Longwood College

William W. McAdams, *Assistant Professor*  
B.S., George Washington University;  
M.Ed., University of Virginia; Ed.D.,

Physical Education Activity Courses/3 credits  
TOTAL/48 credits

#### Requirements in Health, Physical Education and Recreation

Recreation 237/3 credits  
Physical Education 336/3 credits  
Physical Education 339/3 credits  
Physical Education 340/3 credits  
Biology 207/4 credits  
TOTAL/16 credits

#### Professional Core Requirements

Recreation 210/3 credits  
Recreation 213/3 credits  
Recreation 306/2 credits  
Recreation 308/3 credits  
Recreation 310/3 credits  
Recreation 337/3 credits  
Recreation 406/2 credits  
TOTAL/19 credits

#### Field Experiences

\*Freshman Experience/0 credits  
Recreation 380/10 credits  
Recreation 400/18 credits  
TOTAL/28 credits

#### Approved Elective Area

Psychology/3 credits  
Free Electives/5 credits  
Audio Visual/3 credits  
TOTAL/11 credits

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

Virginia Polytechnic Institute and  
State University

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

Shirley M. O'Neil, *Professor and Chairman  
of the Department*

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., Uni-  
versity of North Carolina at Greensboro

Noelle M. Prince, *Instructor*  
B.A., Manhattanville College; M.S.,  
Mills College

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

Thomas J. Steinocher, *Instructor*  
B.S., M.A., University of Iowa

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

\*on leave of absence 1977-78

### FACULTY

Nancy A. Andrews, *Assistant Professor*  
B.S., Longwood College; M.S., Uni-  
versity of Tennessee

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

Eleanor W. Bobbitt, *Professor*  
B.S., Longwood College; M.S., Uni-  
versity of Tennessee; Ph.D., Univer-  
sity of Maryland

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

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

Gerald P. Graham, *Associate Professor*  
B.A., Muskingum College; M.A., Ohio



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# DIVISION OF HISTORY AND THE SOCIAL SCIENCES

Charles F. Lane, *Acting Chairman*

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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, Geography, 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 economics 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, 3 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.

## *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.

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## ECONOMICS

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*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.

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## GEOGRAPHY

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*Geography 201. \*BASIC ELEMENTS OF GEOGRAPHY*

The scope and nature of geographic philosophies are treated. Special em-

phasis is placed on the 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 trans-

portation 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, 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.

*Geography 354. WEATHER, CLIMATE, AND MAN*

An elementary background of various weather phenomena and climatic patterns. Particular emphasis is given to the effects of weather and climate upon man and his activities. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits. Mr. Lane.

*Geography 356. CONSERVATION OF NATURAL RESOURCES*

Survey of resource problems and related conservation techniques in the United States. Particular emphasis is placed upon the resource conservation problems of the Southeastern States. Prerequisite: Geography 201 or permission of instructor. Offered on demand. 3 periods a week; 3 credits. The Staff.

*Geography 401. GEOGRAPHY OF SOUTHEAST ASIA*

Regional analysis of the physical geography and problems in the economic political geography of Southeast Asia. Emphasis on China, Japan, and India. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits. The Staff.

*Geography 402. GEOGRAPHY OF LATIN AMERICA*

Regional and systematic analysis of the geography of Latin America, including treatment of physical, cultural and economic characteristics of the several regions within the Latin American nations. 3 periods a week; 3 credits. The Staff.

*Geography 403. GEOGRAPHY OF EUROPE AND THE MEDITERRANEAN*

Regional analysis of peninsula, western and central Europe and the Mediterranean Basin. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits. Mr. Rubley.

*Geography 404. GEOGRAPHY OF ANGLO-AMERICA*

Regional analysis of human geography of the United States, Canada, and Alaska, emphasizing the physical and economic factors affecting the utilization of the several regions. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits. Mr. Lane.

*Geography 405. REGIONAL GEOGRAPHY OF MODERN AFRICA*

A regional analysis of the geographical factors influencing the culture and economies of the African continent. Special emphasis will be placed on the present state of economic development and potentialities for future development. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits. Mr. Dent.

*Geography 444. POLITICAL GEOGRAPHY*

Geographic factors in major nations of the world and how they affect international relations, with analysis of current strategic positions of the U.S. and U.S.S.R. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits. Mr. Dent.

*Geography 445. GEOGRAPHIC INFLUENCES IN AMERICAN HISTORY*

The course deals with the importance of natural environment in the exploration, colonization, and expansion of trade and settlement; the distribution and development of cities, industries, and transportation systems; and the growth of the United States to a continental world power. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits. Mr. Lane.

*Geography 450. GEOGRAPHY OF CONTEMPORARY PROBLEM AREAS*

A physical, economic, historical, and cultural analysis of selected regions and nations in the news. A background for understanding present day conditions, and the social significance of the events occurring in these areas. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits. Mr. Rubley.

*Geography 453. GEOGRAPHICAL APPRAISAL OF THE SOVIET UNION*

An evaluation of people, land, climate, resources and space as they bear on economic developments and political prospects of the Soviet Union. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits. Mr. Rubley.

*Geography 454. MAN'S ROLE IN CHANGING THE FACE OF THE EARTH*

A review of the diverse ways cultures have transformed the natural landscapes of the world. Comparative studies of the land use by primitive and technologically advanced peoples. Prerequisite: Geography 201 or permission of instructor. Offered on demand. 3 periods a week; 3 credits. The Staff.

*Geography 455. THE SOUTH: LANDSCAPES AND FOLK CULTURE*

Investigation of changes in the natural landscapes wrought by man. Elements of material culture that give character to areas will be considered. Prerequisite: Geography 201 or permission of instructor. Offered on demand. 3 periods a week; 3 credits. The Staff.

*Geography 470, 471. GEOGRAPHY SEMINAR*

Offered on demand. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits. The Staff.

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DEPARTMENT OF HISTORY  
AND GOVERNMENT

James M. Helms, *Acting Chairman*

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EUROPEAN HISTORY

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*History 111, 112. \*WESTERN CIVILIZATION*

A survey course in western civilization. First semester: From Stone Age to 1648; second semester: From 1648 to the Present. 3 periods a week; 3 credits each semester. The Staff.

*History 350. ANCIENT EUROPE AND MIDDLE EAST*

A study of the political, economic, and social institutions, and the religious and intellectual evolution in Ancient Greece, Rome, and in the states of the Middle East. Prerequisite: History 111 and sophomore to senior standing. 3 periods a week; 3 credits. Mr. Berkis.

*History 351. MEDIEVAL EUROPE*

A study of the political, economic, and social institutions, and the religious and intellectual developments in Medieval Europe. Prerequisite: History 111 and sophomore to senior standing. 3 periods a week; 3 credits. Mr. Berkis.

*History 352. RENAISSANCE AND REFORMATION*

The social, cultural, religious, political, and economic forces which shaped Western Civilization from the High Middle Ages through the end of the era of the religious wars (c. 1300-1648). Prerequisite: History 111 and 112. 3 periods a week; 3 credits. The Staff.

*History 353. EUROPE IN THE SEVENTEENTH CENTURY*

This course emphasizes the age of Absolutism and Mercantilism of the major European countries -- France, England, Spain, The United Netherlands, Sweden, The Union of Poland-Lithuania, and others. Prerequisite: History 111 and 112 or permission of instructor. 3 periods a week; 3 credits. Mr. Berkis.

*History 354. THE ENLIGHTENMENT AND THE FRENCH REVOLUTION*

The political, social, and cultural background of the Enlightenment, the main intellectual and philosophical developments of the Age of Reason, and the political and social influence of the *philosophes* as reflected in the experience of the French Revolution. Prerequisite: History 111 and 112. 3 periods a week; 3 credits. Mr. Sydnor.

*History 355. EUROPE IN THE NINETEENTH CENTURY, 1815-1900*

The political, social, intellectual, and economic history of Europe from the Congress of Vienna to the turn of the century. Special emphasis is devoted to the impact of liberalism, nationalism, socialism, imperialism, and militarism upon the development of the European states and upon the formation of modern political ideologies. 3 periods a week; 3 credits. Mr. Sydnor.

*History 356. EUROPE IN THE TWENTIETH CENTURY, 1900 TO THE PRESENT*

The political, social, intellectual, economic, and military history of Europe in its world setting since the turn of the century. The importance of the two world wars, the impact of fascism and communism, and the continued significance of Europe through the Cold War are the topical foundations for History 356. 3 periods a week; 3 credits. Mr. Sydnor.

*History 357. ENGLAND BEFORE THE TUDORS, 55 B.C. TO 1485*

A survey of the major political, social, and economic factors which shaped England prior to the Reformation, with emphasis on the Middle Ages. Prerequisite: History 111 or permission of instructor. 3 periods a week; 3 credits. Mr. Millar.

*History 358. THE FIRST BRITISH EMPIRE, CIRCA 1497 TO 1783*

A study of British imperial accomplishment from the earliest ventures of the Tudors through the Treaty of Paris and the formal relinquishment of the American colonies in 1783, with emphasis on North American colonization (Canadian as well as U.S.), the activities of the East India Company, and the early exploration of the South Seas and Africa. Prerequisite: History 111 or permission of instructor. 3 periods a week; 3 credits. Mr. Millar.

*History 359. RUSSIAN HISTORY TO 1894*

A study of the history and civilization of Russia from the Kievan period through the reign of Alexander III. Primary emphasis is given to the modernization efforts of the reigns of Peter the Great and Catherine the Great and the reforms of Alexander II. The nineteenth century revolutionary movement from the Decembrists of 1825 through the fragmentations of the Populist movement in the 1880's is also greatly emphasized. 3 periods a week; 3 credits. Mr. Crowl.

*History 360. RUSSIAN HISTORY SINCE 1894*

A study of Russia from the reign of Nicholas II to the present. Stress is placed on the factors leading to the collapse of the monarchy, the growth of the revolutionary parties, the revolutions of 1905 and 1917, the construction of the Soviet system, the Stalinist era, and the post Stalinist regimes. There is little effort made in the course to deal with diplomacy or foreign policy. 3 periods a week; 3 credits. Mr. Crowl.

*History 463. EUROPEAN HISTORIOGRAPHY*

An intensive examination of the writing of history in Europe since the Renaissance, and an analysis of those British and continental historians who have exerted a major influence in shaping the image of the European past and in developing the major concepts of modern historical studies. Important figures to whom special attention will be devoted include: Guiccardini, Vico,

Voltaire, Gibbon, Michelet, Stubbs, Marx, Macauley, Carlyle, Ranke, Treitschke, Sybel, Troeltsch, Dilthey, Ritter, Meinecke, Schnabel, Fischer, Bracher, Friedjung, Jaszi, Albertini, Croce, Kluchevsky, and Trotsky. 3 periods a week; 3 credits. The Staff.

*History 465. TUDOR-STUART ENGLAND, 1485-1714*

Research topics dealing with the economic, social, and political history of England in the Reformation and Renaissance with special emphasis on the historiography of the period. 3 periods a week; 3 credits. Mr. Couture.

*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 the 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.

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AMERICAN HISTORY

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*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 the 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 306. ECONOMIC HISTORY*

A study of the economy of the United States from the beginning of the Jamestown Colony to the present. Prerequisite: Economics 202 or 231-232, or History 122. 3 periods a week; 3 credits. The Staff.

*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 121. 3 periods a week; 3 credits. Miss Etheridge.

*History 311. THE HISTORY OF WOMEN IN AMERICA*  
The course divides itself logically into four major periods or topics: women in colonial America; the Victorians; emergence of the modern American woman and the fight for suffrage; and the role of women in America since the 1920's with special emphasis on the feminist movement of the 1960's and 1970's. Prerequisite: History 121, 122 or permission of instructor. 3 periods a week; 3 credits. Miss Etheridge.

*History 402. AMERICAN HISTORIOGRAPHY*  
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 until 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*  
3 periods a week; 3 credits. Mr. Helms.

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#### LATIN-AMERICAN HISTORY

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*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 twentieth century, with special emphasis on Mexico, Brazil, Argentina, Chile, Peru, Uruguay, and Colombia. Offered on demand. 3 periods a week; 3 credits. The Staff.

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#### ASIAN HISTORY

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*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.

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#### OTHER UNDERGRADUATE HISTORY COURSES

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*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, 462. HISTORY SEMINAR*  
Offered on demand. 1 period a week; 1 credit. Open to junior and senior history majors. The Staff.

*History 490, 491. HISTORY SEMINAR*  
3 credits each semester. The Staff.

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#### GOVERNMENT

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*Government 201. \*INTRODUCTION TO POLITICAL SCIENCE*  
An introductory study of fundamental political concepts, principles, and institutions. 3 periods a week; 3 credits. Mr. Ra.

*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. Helms.

*Government 331. POLITICAL THEORY AND PHILOSOPHY*  
Survey of outstanding political theories and philosophies from ancient Greece throughout the Middle Ages, including political theory and philosophy of Plato, Aristotle, Cicero, St. Augustine, St. Thomas Aquinas, and Dante. 3 periods a week; 3 credits. Mr. Ra.

*Government 332. POLITICAL THEORY AND PHILOSOPHY*

Survey of outstanding political theories and philosophies of modern times, including theories of Jean Bodin, Thomas Hobbes, John Locke, Montesquieu, Rousseau, Edmund Burke, Alexis de Tocqueville, J. S. Mill, Hegel, Karl Marx, Lenin and Mao. 3 periods a week; 3 credits. Mr. Ra.

*Government 341. AMERICAN POLITICAL THOUGHT*

An examination of the political ideas of selected American writers from the American Revolution to the present. 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 435. EUROPEAN GOVERNMENT AND POLITICS*

A study of the institutions and processes of the political systems of England and France. 3 periods a week; 3 credits. Mr. Ra.

*Government 436. EUROPEAN GOVERNMENT AND POLITICS*

A study of the institutions and processes of the political systems of West Germany and the U.S.S.R. 3 periods a week; 3 credits. Mr. Ra.

*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. Mr. Ra.

*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. Ra.

*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. Mr. Ra.

*Government 455. (History 455). CONSTITUTIONAL HISTORY OF THE UNITED STATES*

Three 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. Prerequisites: Government 215, 216, 341. 16 credits.

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**DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY**

Kathleen G. Cover, *Acting Chairman*

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**SOCIOLOGY**

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*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 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 behavior and social disorganization. Prerequisite: Sociology 221. 3 periods a week; 3 credits. Mrs. Cover.

*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. Mrs. Sanford.

*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. 3 periods a week; 3 credits. Mrs. Cover, 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 in 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. The Staff.

*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. The Staff.

*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. Prerequisites: Sociology 221 and six hours of sociology. 3 periods a week; 3 credits. Mrs. Sanford.

*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. Cover.

*Sociology 443. (Anthropology 443) THE COMMUNITY*  
Review of theories of community and analysis of representative community studies. Open to juniors and seniors only. Prerequisites: 6 hours of sociology. Enrollment is limited to sociology and social science majors. 3 periods a week; 3 credits. Mr. LaManna.

*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 THROUGH 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.

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## ANTHROPOLOGY

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*Anthropology 201.* \*A general study of human society and culture; an introduction to the principles of social and cultural anthropology. 3 credits. Mrs. Cristo, Mr. LaManna, Mrs. Sanford.

*Anthropology 202.* 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. Prerequisites: Anthropology 201 and Sociology 221. 3 periods a week; 3 credits. Mrs. Sanford.

*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. Mrs. Sanford.

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## COURSE REQUIREMENTS

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The Division offers majors in Geography, 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.

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### GEOGRAPHY MAJOR B. S. Degree

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*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  
 Science/8 credits  
 Mathematics/6 credits  
 Health Education 100/1 credit  
 Physical Education Activity Courses/3 credits  
 TOTAL/48 credits

*Major Requirements*  
 Geography 201/3 credits  
 Systematic Geography electives\*/12 credits  
 Regional Geography electives/15 credits  
 Economics/3 credits  
 TOTAL/33 credits  
 (\*select from Geography 241, 242,  
 354, 356, 444, 445 or Geology 200)

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

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### GOVERNMENT MAJOR B.S. Degree

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*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  
 (select from History 306, 308, 343,  
 535; Economics 342, 410; Govern-  
 ment 354, or Geography 444, 450)

*Major Requirements*  
 Government 215,216/6 credits  
 Government 331,332/6 credits  
 Government electives\*/18 credits  
 TOTAL/30 credits  
 \*Approved by department chairman  
 or government professor.

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

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### HISTORY MAJOR B. S. Degree

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*General Education Requirements*  
 Art, Music or Dramatic Arts/6 credits  
 English 100, 101/6 credits  
 Literature/3 credits  
 Humanities elective/3 credits  
 History 111, 112/3 credits  
 History 121/3 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 122/3 credits  
 Non-American History (for American  
 History concentrate) OR American  
 History (for non-American History  
 concentrate)/6 credits  
 History electives (American or non-  
 American)/18 credits  
 Related Social Sciences/9 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

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### SOCIAL SCIENCE MAJOR B. S. Degree

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*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

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**SOCIOLOGY MAJOR**  
B. S. Degree

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*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 445/3 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.

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**SOCIAL WORK MAJOR**  
B. S. Degree

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*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  
Anthropology 201/3 credits  
Biology 101, 303/8 credits  
Mathematics 113 and elective/6 credits  
Health Education 100/1 credit

Physical Education Activity Courses/3 credits  
TOTAL/48 credits

*Major Requirements*

Government 215 or 216/3 credits  
Psychology 133, 222/6 credits  
Sociology 221, 230, 232/9 credits  
Social Work 101/3 credits  
Social Work 240/3 credits  
Social Work 280-281/6 credits  
Social Work 310/3 credits

Social Work 336/3 credits  
Social Work 339/4 credits  
Social Work 427/3 credits  
Social Work 400/10 credits  
Social Work 401-406/8 credits  
TOTAL/64 credits

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

**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

Richard T. Couture, *Assistant Professor*

B. A., College of William and Mary; M.A., University of Virginia

Kathleen G. Cover, *Professor and Acting*

*Chairman of the Department of Sociology and Anthropology*

B. A., Randolph-Macon Women's College; M.A., College of William and Mary

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.A., University of Virginia

Elizabeth W. Etheridge, *Associate Professor*

A.B.J., University of Georgia; M.A., State University of Iowa; Ph.D., University of Georgia

L. Marshall Hall, Jr., *Associate Professor*

A.B., M.A.T., Duke University

William R. Harbour, *Instructor*

B.A., University of Arizona; M.A., Ph.D., Indiana University

James M. Helms, *Professor and Acting*

*Chairman of the Department of History and Government*

B.A., Clemson College; M.A., Ph.D., University of Virginia

Lawrence G. Hlad, *Assistant Professor*

B.A., M.A., Boston University

Terence N. LaManna, *Assistant Professor*

A.B., Middlebury College; A.M., Brown University

Charles F. Lane, *Professor and Acting Chair-*

*man of the Division of History and Social Sciences*

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

\*Patricia Nicholas, *Assistant Professor*

B.S., Madison College; M.A., Eastern Michigan 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., University of Kentucky

Margaret S. Sanford, *Assistant Professor*

B.A., The American University; M.A., Ph.D., Catholic University of America

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., University of North Carolina at Chapel Hill

\*on leave of absence 1977-78

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# DEPARTMENT OF HOME ECONOMICS

Marilyn W. Osborn, *Acting Chairman*

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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.

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 Communications Areas, Fashion Merchandizing, 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 may emphasize Communications Areas or Foods and Nutrition which lead to positions in these fields.

Course requirements for all options are given on page

Students should consult semester class schedules relative to course offerings for alternate years.

## *Home Economics 101. FAMILY DEVELOPMENT*

The continuing development of interpersonal relationships of family members throughout the life cycle. 3 periods a week; 3 credits.

## *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.

## *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.

## *Home Economics 133. PRINCIPLES OF FOOD PREPARATION*

Application of principles in the use and preparation of selected food products. 1 single and 2 double periods a week; 3 credits.

## *Home Economics 134. MEAL MANAGEMENT*

Experience in planning and buying foods for family meals and special functions, within different economic levels. Prerequisite: Home Economics 133. 1 single and 2 double periods a week; 3 credits.

## *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. 1 single and 2 double periods a week; 3 credits.

## *Home Economics 235. NUTRITION*

Nutritive values of foods and metabolism and essential nutrients, application of principles of nutrition to the requirements of normal individuals. (Open to non-majors with permission of instructor.) 3 periods a week; 3 credits.

## *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.

## *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 or permission of instructor. 3 periods a week; 3 credits.

## *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.

## *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.

*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.

*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.

*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.

*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.

*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.

*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.

*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.

*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.

*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. (\*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.

*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.

*Home Economics 430. EXPERIMENTAL FOODS*

Experimentation in factors affecting food preparation. Comparative studies of published experimental data. Prerequisite: Home Economics 134. 2 single and 1 double periods a week; 3 credits.

*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.

*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.

*Home Economics 433. COMMUNITY NUTRITION*

A study of current problems, food misinformation, food habits, population groups and community programs designed to help solve these problems. (Open to non-majors with permission of instructor.) 3 periods a week; 3 credits.

*Home Economics 434. DIET THERAPY*

Application of principles of normal nutrition and diet to treatment and conditions other than normal. Prerequisite: Home Economics 235. 3 single periods a week; 3 credits.

*Home Economics 441. HOME MANAGEMENT RESIDENCE*

Application and integration of management principles to family living and operation of a household. Prerequisite: Home Economics 134 and 242. Must have completed a minimum of 75 semester hours in college. 4 credits.

*Home Economics 442. MANAGEMENT OF THE HOME*

Theory of management processes in relation to decision-making, personal and family values, and the specific resources of families. To be taken parallel with Home Economics 441. 2 single periods a week; 2 credits.

*Home Economics 446. INTERIOR DECORATING WORKSHOP*

Selected projects in furnishing the home, including furniture refinishing, upholstery, 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.

*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.

*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.

*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.

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**DIRECTED STUDY IN HOME ECONOMICS**

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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.* 2-4 credits.

*Home Economics 425. Clothing and Textiles.* 2-4 credits.

*Home Economics 435. Food and Nutrition.* 2-4 credits.

*Home Economics 445. Housing, Furnishings & Equipment.* 2-4 credits.

*Home Economics 455. Home Economics Education.* 2-4 credits.



**For Graduates and Advanced Undergraduates**

*Home Economics 510. THE MODERN FAMILY*

A study of modern family life. Emphasis is placed on the development stages in the life cycle of families. 3 credits.

*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.

*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.

*Home Economics 523. CONCEPTS OF NEW FASHION STRUCTURES AND DESIGNS*

Concepts and principles of garment structures and designs using recently developed fabrics and finishes. 2 credits.

*Home Economics 545. MANAGEMENT IN FAMILY LIVING*

Management principles involving the analyzing and solving of managerial responsibilities in family living. 3 credits.

*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.

## COURSE REQUIREMENTS

The department offers a major in Home Economics with concentrations in Home Economics Education, Clothing & Textiles, or Food & Nutrition. Majors in this department earn a Bachelor of Science degree. Requirements for each concentration are listed below.

### HOME ECONOMICS 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/6 credits  
\*Mathematics/6 credits  
\*Science/8 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/3 credits  
TOTAL/48 credits

#### *\*Courses That Satisfy Requirements For General Education and Home Economics Options:*

Art 120 is required for Options I, II, and III.  
Art 221 is required for Option II.  
Humanities: Psychology 131 is required for Options II and III.  
Social Sciences: Economics 202 is required for Options I, II, and III.  
Sociology 221 and Government 215 or 216 are required for Options II and III.  
Sociology 441 is required for Option I.  
Mathematics: Mathematics 113 is required for Option III.  
Science: Biology 101 and Chemistry 101 are required for Options I and III.  
Chemistry 101 and 102 are required for Option II.

#### *Home Economics Requirements (for all concentrations)*

Home Economics 101/3 credits  
Home Economics 243/3 credits  
Home Economics 306, 347/7 credits  
Home Economics 441, 442/6 credits  
TOTAL/19 credits

#### *Concentration I – Home Economics Education*

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

Home Economics 127, 128, 222/9 credits  
Home Economics 133, 134, 235/9 credits  
Home Economics 242, 348/6 credits  
Home Economics 356, 357/6 credits  
Electives 10 credits  
TOTAL/61 credits

#### *Concentration II – Clothing & Textiles*

Speech 101/3 credits  
Home Economics 133 or 235/3 credits  
Chemistry 205, 206, or 371/8 credits  
Home Economics 127, 325, and 424/9 credits  
Home Economics 323/3 credits  
Home Economics 128, 324/6 credits  
Home Economics 348/3 credits  
Home Economics 432/3 credits  
TOTAL/38 credits

#### *Students wishing an emphasis in Clothing and Textiles should take 21 semester hours from:*

Home Economics 321/3 credits  
Business Education 251 and 454/6 credits  
Home Economics 222/3 credits  
Home Economics 425/2-4 credits  
Electives/5-7 credits  
TOTAL/21 credits

#### *Students wishing an emphasis in Fashion Merchandising shall take 21 hours in:*

English 110, 210, 211/3 credits  
Business Education 228/3 credits  
Business Education 241, 242/6 credits  
Business Education 251, 454/6 credits  
Elective/3 credits  
TOTAL/21 credits

#### *Students wishing an emphasis in Communication areas shall take 21 hours in:*

English 110, 210, 211/6 credits  
Art 355/3 credits  
Speech 403/3 credits  
Business 454/3 credits

Electives/6 credits  
TOTAL/21 credits

#### *Concentration III – Food and Nutrition*

Speech 101/3 credits  
Chemistry 102/4 credits  
Biology 306, 309 or Chemistry 205/8 credits  
Home Economics 133, 134, 235, 242, 433/15 credits  
Home Economics 430, 431/7 credits  
Home Economics 432/3 credits  
TOTAL/40 credits  
(plus 19 hours from:)  
English 110, 210, 211  
Business Education 241, 242, 254, 257, 454  
Home Economics 434, 435  
Chemistry 205, 206  
Biology 306, 309, 312  
Electives/6 credits  
TOTAL/19 credits

#### *Students who wish to emphasize the Communication areas should choose 19 hours from:*

English 110, 210, 211/3 credits  
Art elective/3 credits  
Speech 403/3 credits  
Business 454/3 credits  
Electives/7 credits  
TOTAL/19 credits

NOTE: In Options II and III, 126 hours are required for graduation with a cumulative average of 2.0 and a 2.0 average in all major subjects. Option I required 128 hours and students must have a cumulative average of 2.0 and a 2.0 average in all major courses, to meet requirements for Student Teaching.

## FACULTY

Marguerite S. Griffith, *Associate Professor*  
B.S., Milligan College; M.S., Ed.D.,  
Virginia Polytechnic and State University  
Lou Ann Guthrie, *Instructor*  
B.S., Eastern Illinois University;  
M.S., Southern Illinois 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 and Acting Chairman of the Department*  
B.S., M.Ed., University of North Carolina at Greensboro

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# DIVISION OF LANGUAGE, LITERATURE AND PHILOSOPHY

William L. Frank, *Chairman*

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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, Latin, Spanish, Dramatic Arts, and Speech Pathology are available; in addition, interested students may minor in Philosophy.

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## DEPARTMENT OF ENGLISH AND PHILOSOPHY

William L. Frank, *Chairman*

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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 by 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.*

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### WRITING

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#### *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. JOURNALISM*

Introduction to journalism with practice in journalistic writing. Emphasis upon daily routine news assignments and upon standardized news magazine practice. Those wishing journalism certification are required to serve on the student newspaper as part of the work for this course. 3 periods a week; 3 credits. Mr. Woods.

#### *English 210. EDITORIAL JOURNALISM*

Editing of books, magazines, and newspapers. Writing of editorials, critical

reviews, feature stories, magazine articles, radio and television news broadcasts and information programs. 3 periods a week; 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 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 above.) 3 periods a week; 3 credits. Miss Craft, Miss May, Mr. Vest.

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## LITERATURE

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### *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.* A survey of various concepts of the deity in western thought stemming from the Christian tradi-

tion. Readings in literature from Catholic, Protestant, Puritan, Evangelical, Mystical, Agnostic, Unitarian, Atheistic, and Pantheistic points of view will be considered, together with readings illustrating ways of talking about the deity: allegorical, symbolic, fundamentalist, enthusiastic, analogous, conceptual, theoretical. 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. NOT RECOMMENDED FOR ENGLISH MAJORS. 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 William Bradford to Walt Whitman. Second semester: selected American writers from Emily Dickin-son 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, Chicanos, 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 Testaments 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 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 sources, 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, Miss Dean, 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 appropriately 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. A CRITICAL APPROACH TO THE MASS MEDIA*

An evaluation and exploration of mass media content in terms of the nature, function, and influence of broadcasting, press, and film in our society, focusing upon the new languages and images they create. 3 periods a week; 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; senior or graduate standing. 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 discussion. 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'Conner, and others. 3 periods a week; 3 credits. Miss Cook, Mr. Vest.

*English 497. 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. The Staff.

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**LINGUISTICS, LANGUAGE STUDY,  
AND TEACHING**

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*English 282. TRADITIONAL GRAMMAR AND MODERN ENGLISH GRAMMAR*  
Three periods a week; 3 credits. Mr. Douglas, Miss McKinney, Mrs. Tinnell.

*English 325. (Education 325). LANGUAGE ARTS AND READING IN THE ELEMENTARY SCHOOL*  
Required for the B.S. degree in elementary education. 3 periods a week; 3 credits. Mr. Banton

*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. 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. The Staff.

*English 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. 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.

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**COMMUNICATIONS**

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Although Longwood College does not offer a major or a concentration 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 357 (Art 357)*  
*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.)

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**PHILOSOPHY**

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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.

NOTE: The number in parentheses immediately after the course number is the OLD number for that course.

*Philosophy 200 (260). INTRODUCTION TO PHILOSOPHY*

Critical examination of the foundations and development of historical and current systems of thought. 3 periods a week; 3 credits. Mr. Peale.

*Philosophy 215 (261). 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 (262). 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 (351). 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 (373). ETHICS*

A study of the significant moral and ethical principles developed in European and American philosophy. 3 periods a week; 3 credits. Mr. Peale.

*Philosophy 320 (430). 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 (381). 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 (401). 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.

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*RELIGIOUS STUDIES*

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*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.

**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 each semester. Miss Sprague.

*English 524, 525. (Dramatic Arts 524, 525). SHAKESPEARE*

A chronological study of Shakespeare's works. 3 periods a week; 3 credits each semester. Miss May.

*English 526. MILTON*

A study of Milton's thought, to include a close reading of *Paradise Lost*, *Paradise Regained*, *Samson Agonistes*, the 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 the 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 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 Barges. 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. INTRODUCTORY LINGUISTICS*

An introduction to current topics in linguistics, primarily descriptive and historical, with emphasis upon various modern grammars and upon the development of the English language. 3 periods a week; 3 credits. Miss Craft, Mr. Douglas.

*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.



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DEPARTMENT OF FOREIGN LANGUAGES

Anita B. Ernouf, *Chairman*

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The Department of Foreign Languages offers courses in French, German, Latin, and Spanish. Majors may be taken in French, Latin, 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, 401 and 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.

Majors in Latin, through the cooperative program with Hampden-Sydney College, must complete 18 semester hours in the language beyond the intermediate course and 6 semester hours in either a modern foreign language beyond the beginning level at Longwood College, or Greek at Hampden-Sydney. At least one semester of Ancient History is recommended for Latin majors. Those preparing to teach must meet the usual requirements in Education.

LONGWOOD IN EUROPE awards six credit 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.

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FRENCH

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*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 years or more 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. Miss Aubry.

*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 requirements: 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. The Staff.

*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 per-

mission of the department it may be taken concurrently with other French literature courses. 3 periods a week; 3 credits each semester. 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.

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**GERMAN**

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**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 years or more of secondary school study of the language. 3 periods lecture, 2 periods laboratory per week; 4 credits each semester. Miss Klatte.

**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 requires. 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. The Staff.

**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. The Staff.

**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.

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**LATIN**

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**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 years or more of secondary 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

or students in pre-law, pre-medical studies, pre-pharmacy and for students interested in pursuing graduate work. Minimum requirements: two years of high school Latin. 3 periods a week; 3 credits. Miss Hosey.

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## SPANISH

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### *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 years or more 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 general education 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. With permission of the department it may be taken concurrently with other Spanish 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.

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## DEPARTMENT OF SPEECH AND DRAMATIC ARTS

Patton Lockwood, *Chairman*

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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 for future work in the theatre or as future teachers 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 Dramatic Arts 201, 202, 300, and 301.

NOTE: The department does not guarantee that all of the following courses will be offered every year.

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### SPEECH

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#### *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 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 procedure 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.

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**DRAMATIC ARTS**

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**\*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 general education requirements. 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; 3 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 current 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; 2 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 each semester. 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 the instructor for Physical Education credit. 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.

*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 permission of instructor for physical education credit. 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 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 in 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.

*Dramatic Arts 527. (English 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.



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## COURSE REQUIREMENTS

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The division offers majors in English, French, Latin, 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.

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### ENGLISH MAJOR B.A. DEGREE

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#### *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.

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### SPANISH MAJOR B.A. DEGREE

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#### *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

#### *Major Requirements*

Spanish 241, 242/6 credits  
 Spanish 331 or 332 or 431/3 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.

#### *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.

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*LATIN MAJOR  
B.A. DEGREE*

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*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  
Mathematics/6 credits  
Science/8 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/3 credits  
TOTAL/51 credits

(\*Three semester hours of Ancient History recommended.)

*Major Requirements*

Latin beyond intermediate course/18 credits  
Modern foreign language (beyond beginning) or Greek/6 credits  
TOTAL/24 credits

Latin and Greek courses are taken at Hampden-Sydney College.

*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.

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*FRENCH MAJOR  
B.A. DEGREE*

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*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.



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**DRAMATIC ARTS MAJOR**  
**B.S. DEGREE**

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*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.

*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**

*Additional courses for certification in Speech*  
 Speech 101 & 312

*Additional courses for certification in Journalism*  
 English 110 or 210; 211 or 212 or 296

**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.

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**SPEECH PATHOLOGY**  
**(UNIVERSITY OF VIRGINIA)**  
**B.S. or B.A. DEGREE AWARDED BY LONGWOOD**

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*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 307/3 credits  
 Speech electives/6 credits  
**TOTAL/34 credits**

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200 level.

*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**

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



## 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, Chairman of  
the Division of Languages, Literature,  
and Philosophy, and Chairman of the  
Department of English 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 Uni-  
versity
- Michael Lund, *Assistant Professor*  
A.B., Washington University; M.A.,  
Ph.D., Emory University
- Bette L. McKinney, *Instructor*  
B.S., Longwood College; M.A., Uni-  
versity of Virginia
- 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
- Goeffrey C. Orth, *Instructor*  
B.A., Washington and Lee University;  
M.A., Ph.D., University of Virginia
- John S. Peale, *Assistant Professor*  
B.A., Washington and Lee University;  
M.A., Boston University; Ph.D., Uni-  
versity 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*  
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, *Assistant Professor*  
B.A., M.A., University of North Caro-  
lina at Chapel Hill; M.A., University  
of Virginia

\*\*on leave of absence 1976-78



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# DEPARTMENT OF LIBRARY SCIENCE

Martha H. LeStourgeon, *Chairman*

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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 practice 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. ORGANI- ZATION 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. ADMINIS- TRATION OF LIBRARY MEDIA CENTER*

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. CONTEM- PORARY 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. LeStourgeon, Associate Pro- fessor and Chairman of the Depart- ment*

B.S., Longwood College; M.A. in L.A.,  
George Peabody College for Teachers

### *Barbara W. Skerry, Assistant Professor*

B.A., University of Iowa; M.S. in L.S.,  
University of Wisconsin

### *Betty W. Spencer, Assistant Professor*

B.S., Madison College; M.A. in L.S.,  
Kent State University

### *Carolyn B. Waite, Instructor*

B.A., Pennsylvania State University;  
M.L.S., University of Pittsburgh

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# DEPARTMENT OF MATHEMATICS

Merry Lewis Allen, *Chairman*

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The Department of Mathematics offers courses leading to a major in mathematics for students who plan (1) to teach secondary school mathematics, (2) to work as mathematicians in business, industry, government service, or other fields, or (3) to pursue graduate work in mathematics or mathematics education. It also offers courses which fulfill general education requirements, and it provides courses required for elementary majors.

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 also 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 also 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 also 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 six hours to be mathematics and/or computer science at the 300/400 level, and not including Mathematics 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 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 the 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:** The general education requirement in mathematics will be met as follows: [1] elementary education majors must take Mathematics 123, 124; [2] mathematics and science majors must take Mathematics 161, 162; Mathematics 164, 261 or Mathematics 261, 262; [3] students in all other curricula may choose two courses from Mathematics 111, 112, 113, 114, 161, 162, 164, 261 and 262. (Credit will not be given for both Mathematics 164 and either Mathematics 161 or 162.)

## *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 applications 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. Credit will not be given in this course toward the mathematics major. 3 periods a week; 3 credits each semester. Required for the B.S. degree in elementary education. 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. 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. Webber.

*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. Mrs. Parrish.

*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. 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, Diophantine 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**

The theory of probability; the 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 non-linear 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.

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COMPUTER SCIENCE

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*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. INTRODUCTION TO PROGRAMMING*

An introductory course in computer science with emphasis on techniques of programming in 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. Prerequisite: Computer Science 202 or Computer Science 206 or consent of instructor. 3 periods a week; 3 credits. Mr. Hightower, 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 structures for the generating, developing and processing of data. Prerequisite: Computer Science 202 or Computer Science 206 or consent of instructor. 3 periods a week; 3 credits. Mr. Hightower, Mr. Webber.

**For Graduates and Advanced Undergraduates**

*Mathematics 524. TEACHING MATHEMATICS 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 concepts of grades K-3 will be emphasized. Offered on demand. 3 credits. Mr. Kidder.

*Mathematics 525. TEACHING MATHEMATICS 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.

*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 hours a week; 3 credits. Mr. Hightower.

## COURSE REQUIREMENTS

The department offers a major in mathematics. 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\*/6 credits  
 TOTAL/21 credits

#### *Option II (Pure Mathematics)*

Mathematics 342/3 credits  
 Mathematics 461/3 credits  
 Mathematics 336 or 351/3 credits  
 Computer Science 205/3 credits  
 Electives\*\*/9 credits  
 TOTAL/21 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\*\*/9 credits  
 TOTAL/21 credits

\*Six hours of mathematics and/or computer science at 300/400 level, at least 3 of which must be in mathematics, not including Mathematics 323 or 380.

\*\*Nine hours of mathematics and/or computer science at 300/400 level, including 6 hours of mathematics, at least 3 of which are at 400 level, not including Mathematics 323, 380, 451 or 452.

\*\*\*Nine hours of mathematics and/or computer science, at most 3 hours of which can be Computer Science 202 or 206. The remaining 6 hours to be mathematics and/or computer science at the 300/400 level, not including Mathematics 323, 380, 451 or 452.

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, or 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 with a cumulative average of 2.0 and a 2.0 average in all major courses.

## FACULTY

Merry Lewis Allen, *Associate Professor and Chairman of the Department*  
 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, *Assistant Professor*  
 B.A., M.A., San Diego State College;  
 Ed.D., University of Georgia  
 Robert D. May, *Instructor*  
 B.A., Swarthmore College; Ph.D., Harvard University  
 E. T. Noone, Jr., *Assistant 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, *Assistant 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

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## DEPARTMENT OF MILITARY SCIENCE

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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. Instructional 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. Stu-

dent 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

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# DEPARTMENT OF MUSIC

James E. McCray, *Chairman*

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The music curricula are designed: [a] to provide all interested students with relevant musical experiences, and to increase the 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 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.

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.

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## THEORY

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### *Music 111. BASIC MUSICIANSHIP*

An introductory course in music reading through singing and the use of melodic instruments. Recommended for therapeutic recreation majors. 2 periods a week; 2 credits. Mrs. Haga.

### *Music 115, 116. THEORY OF MUSIC*

Theory, harmony, written and keyboard; part writing. 2 periods a week; 2 credits each semester. Mr. McCray.

### *Music 117, 118. SIGHTSINGING AND DICTATION*

Ear training through sightsinging and dictation. 2 periods a week; 1 credit each semester. Mr. McCray.

### *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. Mr. Jones.

### *Music 217, 218. SIGHTSINGING AND DICTATION*

A continuation of 117, 118 which is prerequisite. 2 periods a week; 1 credit each semester. Mr. Jones.

### *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. One class period and one private lesson a week; 1 credit. May be repeated for credit. Mr. McCray.

### *Music 315. CONDUCTING*

Technique of the baton; score reading; rehearsal procedures. 2 periods a week; 2 credits. Mr. McCray.

### *Music 316. ADVANCED CONDUCTING*

Continuation of Music 315 which is prerequisite. Offered on demand; 2 periods a week; 1 credit. Mr. McCray.

### *Music 327. FORM AND ANALYSIS*

Harmonic and formal analysis of compositions of each period. Prerequisite: Music 215, 218, 228. 3 periods a week; 3 credits.

### *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.

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APPRECIATION, HISTORY AND  
LITERATURE

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\**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. Mr. Jones.

\**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, Mr. Jones.

\**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 ELEMENTS 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. Prerequisite: any music appreciation, history or literature course. 3 periods a week; 3 credits. Mr. Jones.

\**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. Miss Burdick.

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MUSIC EDUCATION

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*Music 242. MUSIC FOR ELEMENTARY 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 autoharp. 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 ELEMENTARY 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, Mr. McCray, Mrs. Zahrt.

*Music 343. MUSIC TEACHING AND SUPERVISION IN THE ELEMENTARY 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 the 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.

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**APPLIED MUSIC**

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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.

Music 181, 182; 281, 282; 381, 481, 482. Voice.

Music 191, 192; 291, 292; 391, 392; 491, 492. Woodwinds.

Music 167, 168; 267, 268; 367, 368; 467, 468. Brass.

*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; 374, 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.

*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 195, 196; 295, 296; 395, 396; 495, 496. Woodwinds.

Music 187, 188; 287, 288; 387, 388; 487, 488. Brass.

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**ENSEMBLES**

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Ensembles are open to all students who sing or play an orchestra or band instrument. The following require an audition with the conductor: Concert Choir, Camerata Singers, and instrumental ensembles. 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.

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**FOR GRADUATE AND ADVANCED UNDERGRADUATES**

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*Music 521. SYMPHONIC LITERATURE*

*Music 531. MUSIC FOR CHILDREN*

*Music 542. MUSIC FOR EARLY CHILDHOOD*

*Music 532. MUSIC IN THE HIGH SCHOOL*





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## COURSE REQUIREMENTS

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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.

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### MUSIC MAJOR B.A. DEGREE

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#### *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 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/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.

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### BACHELOR OF MUSIC EDUCATION DEGREE

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#### *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 227, 228/2 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, 486,  
 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.

### **FACULTY**

Robert E. Blasch, *Associate Professor*  
 B.A., Hofstra University; B.M., M.M.,  
 University of Michigan; M.A., Uni-  
 versity of Illinois; Ed.D., Columbia  
 University  
 Barbara E. Burdick, *Instructor*  
 B.M., M.M., Indiana University  
 Pauline 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., Univer-  
 sity of Colorado  
 Robert P. Jones, *Assistant Professor*  
 B.A., Atlantic Christian College;  
 B.M., M.M., University of Hartford  
 James E. McCray, *Professor and Chairman*  
*of the Department*  
 B.M.Ed., Illinois Wesleyan University;  
 M.M., Southern Illinois University;  
 Ph.D., University of Iowa

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  
 Hilda B. Zahrt, *Associate Professor*  
 B.S., Juilliard School of Music;  
 M.A., Columbia University; Ph.D.,  
 University of Southern Mississippi

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# DEPARTMENT OF NATURAL SCIENCES

Marvin W. Scott, *Chairman*

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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 multidisciplinary 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.

The staff of the department considers the practice of proficient written and spoken English to be an integral part of a major's education. The College policy on English proficiency is followed by the staff of the department. In addition, a major in biology, chemistry, or earth science is required to pass a written English proficiency test prepared and evaluated by the staff of the department. The test is given each semester during the second week of October and February. Majors are encouraged to take the test during their junior year. A student who does not pass the test should discuss the results with the departmental chairman to determine an appropriate way for correcting deficiencies in English communication skills.

Majors intending to pursue graduate study should consult with appropriate staff members for help in planning their undergraduate programs in such a way to best satisfy the admission requirement of graduate schools.

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## BIOLOGY

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### *\*Biology 101. BIOLOGICAL CONCEPTS*

An inquiry into the nature and common features of life. 3 single periods and 1 double period 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, circulatory, respiratory, systems (Biology 206) and of the integumentary, skeletal, muscular, nervous, endocrine and urogenital systems (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 303. GENETICS*

A study of the mechanisms of heredity. 3 single and 1 double periods a week; 4 credits. Mr. Heinemann, Mr. Merkle.

### *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, with emphasis on human systems. 3 single and 1 double 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*  
Fundamentals of microbial growth and culture. 2 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 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. 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. The Staff.

*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.

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## CHEMISTRY

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*\*Chemistry 101. INTRODUCTORY 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. INTRODUCTORY 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. Jones

*Chemistry 202. ANALYTICAL CHEMISTRY*  
A continuation of Chemistry 201. 2 single and 2 double periods a week; 4 credits. Mr. Jones.

*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 periods a week; 4 credits. Mr. Novak.

*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. The Staff.

*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. Mr. Hardy, Mr. Maxwell.

*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. Mr. Jones.

*Inorganic Chemistry.* The structures, properties, reactions and uses of inorganic compounds. Prerequisite: Chemistry 102 and permission of instructor. 3 credits. Mr. Novak.

*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 a 1 three-hour laboratory period a week; 4 credits. Mr. Novak.

*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. Offered on demand. 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.

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PHYSICS

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*\*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. Prerequisite or corequisite: Mathematics 261. 3 single and 1 three-hour period 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 or corequisite: Mathematics 261. 3 single and 1 three-hour periods a week; 4 credits. Mr. Meshejian.

*Physics 331. INTERMEDIATE  
ELECTRICITY AND MAGNETISM*

A review of basic electricity and magnetism. AC and DC 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 and 464. 2, 3, or 4 credits. The Staff.

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**SCIENCE**

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**\*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.

**Geography 251. PHYSICAL GEOGRAPHY (METEOROLOGY 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 inter-related. The natural resource base is emphasized. 3 single 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 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. CASE 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.

**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 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 Science 463 and 464. 2, 3, or 4 credits. The Staff.

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## COURSE REQUIREMENTS

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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 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-MVC, 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 of 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.

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### *BIOLOGY MAJOR B. S. DEGREE*

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#### *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, and ecology.)  
 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. 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.

#### *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

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### *BIOLOGY MAJOR (ENVIRONMENTAL SCIENCE EMPHASIS) B. S. DEGREE*

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#### *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

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 200/4 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.

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**CHEMISTRY MAJOR**  
**B.S. DEGREE**

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*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 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.

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**EARTH SCIENCE MAJOR**  
**B.S. DEGREE**

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*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, 102/8 credits  
Geology 200, 201/8 credits  
Physics 101, 102/8 credits  
Astronomy 200, 201/8 credits  
Physical Geography 251, 252/4 credits  
TOTAL/42 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.

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**PHYSICS MAJOR**  
**B.S. DEGREE**

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*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, 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 401, 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.

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*PHYSICS MAJOR,  
MULTIDISCIPLINARY TEACHING CERTIFICATION  
B.S. DEGREE*

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(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.)

*Certification and Major Requirements*  
 Astronomy 200/4 credits  
 Biology 101 or Chemistry 101/4 credits

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200 level.

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

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*PHYSICS MAJOR  
PRE-MEDICINE AND BIOPHYSICS CONCENTRATION  
B.S. DEGREE*

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*General Education Requirements*  
 Art, Music or Dramatic Arts/6 credits  
 English 100/3 credits  
 Literature/6 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 303/4 credits  
 Biology 306/4 credits  
 Biology 309, 312, or 371/4 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 electives/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.

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*PRE-DENTAL HYGIENE  
(VCU-MCV)*

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*Requirements*  
 Biology 101, 102/8 credits  
 Chemistry 101, 102/8 credits  
 English 100/3 credits  
 English elective/3 credits

Psychology 133/3 credits  
 Sociology 221\*/3 credits  
 Speech 101/3 credits  
 Electives\*\*/29 credits  
 TOTAL/60 credits

\*Strongly recommended.

\*\*Recommended elective areas: art, foreign language, mathematics, philosophy, physics, social science.

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*PRE-PHARMACY  
(VCU-MCV)*

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*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.



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*PRE-PHYSICAL THERAPY  
(VCU-MCV)*

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*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 133, 240/6 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.

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*PRE-MEDICAL TECHNOLOGY  
B.S. DEGREE GRANTED BY LONGWOOD*

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*(Fairfax Hospital, Memorial Hospital of Danville, Roanoke Memorial Hospital, University of Virginia)*

*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.

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*PRE-MEDICAL TECHNOLOGY  
(VCU-MCV)*

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*Requirements*

Biology 101/4 credits  
 Biology 206-207, 309/12 credits  
 Chemistry 101, 102/8 credits

Chemistry 201/4 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 strongly recommended.)

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*PRE-NURSING CURRICULUM  
(VCU-MCV)*

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*Requirements*

Biology 101/4 credits  
 Biology 206-207/8 credits  
 Chemistry 101, 102/8 credits  
 Mathematics 113/3 credits  
 English 100/3 credits  
 Speech or Literature/3 credits  
 Humanities\*/6 credits

History/6 credits  
 Psychology 133/3 credits  
 Psychology 240 or 250/3 credits  
 Sociology 221/3 credits  
 Social Science elective\*\*  
 Elective (physical education acceptable)/1-3 credits

\*Select from philosophy, logic, literature, art, music, drama, or foreign language.

\*\*Select from anthropology, educational psychology, or political science (not history).

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**PRE-NURSING CURRICULUM  
(UNIVERSITY OF VIRGINIA)**

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**Requirements**

Biology 101/4 credits  
Biology 206-207/8 credits  
Biology 309/4 credits  
Chemistry 101, 102/8 credits  
English 100/3 credits  
Humanities\*/9 credits  
Psychology 133/3 credits  
Social Science\*\*/12 credits  
Sociology 221/3 credits  
Electives\*\*\*/6 credits  
TOTAL/60 credits

\*Select from art, music, drama, philosophy, literature, religion, foreign languages or speech.

\*\*Select from Anthropology 201, Economics 202, Government 201, Geography 201, History 111, 112, 121, 122, Psychology 240, 250, or Sociology 230.

\*\*\*Physical Education will not be accepted as transfer credit. Recommended electives are organic chemistry, mathematics, physics, and nutrition.

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\*on leave of absence 1976-77

\*\*on leave of absence 1976-78

\*\*\*on leave of absence 1977-78

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\*\*on leave of absence 1976-78

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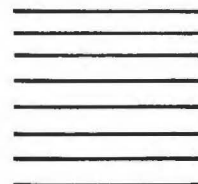
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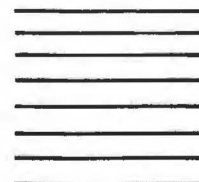
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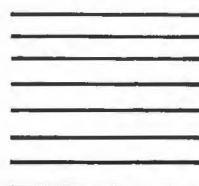
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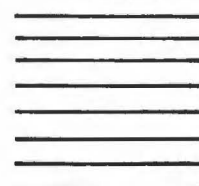
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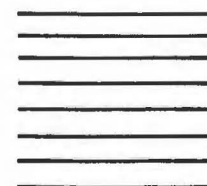
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