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### Longwood College Catalog 1985-1986

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# LONGWOOD



1839

**1985-86**

**College**

**Catalog**

**Farmville, Virginia**

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# LONGWOOD

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Farmville, Virginia 23901

Dear Present or Potential Longwood Student:

By opening this Catalog, you expressed a desire to know more about Longwood. We hope you'll find the answers to your questions. But if you don't, write to us, call us, or come by to see us. We'll help you in any way we can.

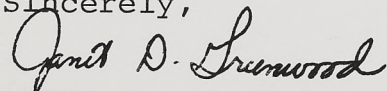
Many special qualities help to shape the Longwood experience: a natural friendliness; traditions that build relationships; many opportunities for personal involvement and growth; family-style dining; small classes; and, above all, outstanding faculty members who are committed to help you develop in all aspects of your life.

You can prepare yourself for almost any career at Longwood, and that is important. But you can expect something more from us, and that is to learn how to live a complete, fulfilling life into the 21st century. To enable you to do this, we have put together 14 goals for each student--goals that received praise from one of Virginia's major newspapers. These goals help to make Longwood unique. They can help you to be unique and special too.

Your achievement of these goals should also give you an edge when you're ready for your first position or for a change in positions. Already, the job-placement record of Longwood graduates is far above the national average in many fields. Further, to assist you in your chosen career, we will provide a decade of career assistance, free, to all graduates.

At Longwood, the student comes first. We want to help you prepare to become the best that you can be. We won't be satisfied with anything less.

Sincerely,



Janet D. Greenwood  
President



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# LONGWOOD



1839

## 1985-86 College Catalog

**Farmville, Virginia**

At the time of publication this catalog accurately depicts academic 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. There are established procedures for making changes which protect the institution's integrity and the individual student's interest and welfare, and the College reserves the right to make changes deemed appropriate. A change of curriculum or graduation requirement is not made retroactive unless the alteration is to the student's advantage and can be accommodated within the span of years normally required for graduation.

Longwood College Undergraduate Bulletin, May 1985. Announcements 1985-86. In effect until August 1, 1986. Accredited by Southern Association of Colleges and Schools, National Council for Accreditation of Teacher Education, Virginia State Board of Education; undergraduate Social Work Program accredited by the Council on Social Work Education; undergraduate Therapeutic Recreation Program accredited by the National Recreation and Park Association in cooperation with the American Association for Leisure and Recreation.

Longwood adheres to the principle of equal opportunity without regard to race, sex, creed, color, disability, national origin, age, or religion. This policy extends to all programs and activities supported by the College and to all employment opportunities at the College.



# Academic Calendar

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## FALL SESSION – 1985

August 24	Saturday—New students arrive.
August 26	Monday—Opening date, beginning of academic year, Professional Semester begins.
August 27	Tuesday—Late registration.
August 28	Wednesday—Classes begin at 8:00 a.m.
September 3	Tuesday—Last day to add a class.
September 13	Friday—Last day to drop a class without an automatic “F”.
October 18	Friday—FALL BREAK begins after classes.
October 21	Monday—Estimates due in Registrar’s Office by 12 noon. Incompletes from previous semester must be removed by 12 noon.
October 23	Wednesday—Classes resume at 8:00 a.m.
November 11	Monday—Preregistration begins.
November 26	Tuesday—THANKSGIVING HOLIDAY begins after classes.
December 2	Monday—Classes resume at 8:00 a.m.
December 10	Tuesday—Classes end.
December 11	Wednesday—Reading Day.
December 12	Thursday—Examinations begin.
December 17	Tuesday—Examinations end.

## SPRING SEMESTER – 1986

January 13	Monday—Professional Semester begins. Advising and Late Registration.
January 14	Tuesday—Classes begin at 8:00 a.m.
January 20	Monday—Last day to add a class.
January 31	Friday—Last day to drop a class without an automatic “F”.
March 7	Friday—SPRING BREAK begins after classes.
March 10	Monday—Estimates due in Registrar’s Office at 12 noon. Incompletes from previous semester must be removed by 12 noon.
March 17	Monday—Classes resume at 8:00 a.m.
April 7	Monday—Preregistration begins.
April 25	Friday—Preregistration ends.
May 2	Friday—Classes end.
May 5	Monday—Examinations begin.
May 10	Friday—Examinations end. Professional Semester ends.
May 17	Saturday—Commencement; end of academic year.

## SUMMER SESSION 1986

June 2	Monday—First Session of Summer School begins.
June 16	Monday—Second Session of Summer School begins.
July 3	Thursday—First Session of Summer School ends.
July 4	Friday—College closed.
July 7	Monday—Third Session of Summer School begins.
July 14	Monday—Second Session of Summer School ends.
July 15	Tuesday—Fourth Session of Summer School ends.
August 8	Friday—Third and Fourth Sessions of Summer School end.



# Longwood College and Its Programs

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## STATEMENT OF INSTITUTIONAL PURPOSE

Longwood College is a medium-size, state-assisted, coeducational, comprehensive college offering programs leading to the bachelor's and master's degrees, and continuing education courses, both credit and non-credit, on and off-campus.

The College's major emphasis is the offering of a baccalaureate program that fosters the total education of each student. Central to that effort is a baccalaureate curriculum distinguished by academic excellence. The College believes that the goal of academic excellence can best be achieved by a faculty committed to the highest standards of teaching and research and/or creative pursuits.

Longwood is committed both to the liberal arts and to professional and pre-professional programs. Its commitment to the liberal arts is reflected in an intensive and extensive General Education requirement for all students and in its sponsorship of degree programs in the humanities, fine arts, social sciences, natural sciences, and mathematics. In addition to its traditionally strong programs in teacher education, the College offers programs in business, home economics, medical technology, social work, speech pathology, and therapeutic recreation, each of which leads to the awarding of a bachelor's degree.

Longwood maintains cooperative programs with other institutions of higher learning. Its curriculum is enhanced by a cross-registration opportunity with Hampden-Sydney College and by cooperative degree programs in medical technology, nuclear medicine technology, physics and engineering, and speech pathology developed with the Memorial Hospital at Danville, Roanoke Memorial Hospitals, Fairfax Hospital, the University of Virginia, Old Dominion University, and the Georgia Institute of Technology. The College sponsors transfer programs in dietetics, dental hygiene, pharmacy, physical therapy, occupational therapy, medical technology, medical record administration, dentistry, and nursing in cooperation with the University of Virginia, Virginia Commonwealth University-Medical College of Virginia, Virginia Polytechnic Institute and State University, and the University of Virginia Medical School.

Longwood's commitment to the total education of each student is reflected in an effort to provide an atmosphere supportive of individual development. The College has established a set of clearly articulated goals for students with policies and procedures to foster their attainment.

Longwood's service to the citizens of Southside Virginia is reflected in special cooperative programs with Southside Virginia Community College, the activities sponsored by the Office of Continuing Education, an extensive program of lectures, concerts, and other cultural events that are open to the public, and the making available of campus facilities for use by community groups.

## Location

The College is located in Farmville, Virginia—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. Commercial bus systems provide service to the town.

Farmville is a pleasant college town with a population of 6,500; 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.



## Buildings

The Longwood campus provides excellent facilities while radiating the charm, beauty, and character associated with its long heritage.

Red-brick Jeffersonian buildings stretch along High Street joined by a covered colonnade. At the center is the oldest building on campus, Ruffner Hall. It is distinguishable by its Rotunda, the dome of which features portraits of Thomas Jefferson, Horace Mann, and important figures in Longwood's history. Ruffner houses various administrative and faculty offices, classrooms, and the Blackwell Dining Hall, where students are served family style.

The Colonnade joins Ruffner Hall to two residence halls — French and Tabb — and to Grainger, which contains classrooms, faculty offices, and the departments of Business and Economics; Mathematics and Computer Science; and English, Philosophy and Foreign Languages.

Behind and alongside this area are broad malls, lawns, 11 tennis courts, four athletic fields, an indoor-outdoor swimming pool, many trees and shrubs, and numerous late-20th century structures, including the library, high-rise and low-rise residence halls, the Lankford Student Union, the natural sciences complex, a continuing education facility, and the music, art, education/psychology, and physical education buildings.

The campus has four auditoriums ranging in size from 176 seats to 1,227.

Lancer Hall is a 4.5 million-dollar health, physical education, and recreation complex. It has a gymnasium with 3,000 seats; a complete weight-training laboratory; an olympic-size pool with a three-meter board and underwater sound, lighting, and an observation window; a 500-seat natatorium; a modern dance studio with a floating floor and staging capacity; and one of the state's best-equipped laboratories for the study of human performance as it relates to exercise, sports, health, and the arts.

Students also can enjoy the facilities at Longwood Estate, about a mile from the campus. These include "The Cabin," the Dell, and a nine-hole golf course. The President's home is on the Estate.

## College Library and Resources

Lancaster Library was constructed in 1938 and renovated with an addition in 1961. The Library is air-conditioned and houses a collection of both print and non-print materials on three floors. The Library has an online catalog and an online circulation system. Reference services are provided which include individual reference services, bibliographic instruction to meet general and specific class needs, and online bibliographic searching upon request. Reserve materials include those requested by faculty as well as an oversize art collection, non-print materials, and some permanent materials that are in high demand. Periodicals and their indexes are housed on the ground floor. During the regular sessions the Library is open at scheduled periods totaling 84 hours a week.

## History

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

In the succeeding years the increasing prosperity of the Farmville Female Seminary led the stockholders to expand the seminary into a college, and the Farmville Female College was incorporated in 1860. 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 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 1978, the College was authorized to offer the Bachelor of Fine Arts, and in 1981, the Bachelor of Music. In 1954, graduate programs were authorized. Longwood became fully coeducational in June 1976.

## **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 students consists of two five-week terms; that for graduates is divided into two four and one-half week terms. The 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 may receive their degrees in August or January and may participate in the next spring commencement.

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

## **Academic Advising**

New students are assigned an academic adviser by the advising coordinator of the department in which they plan to major. Advising for those who are undecided as to major is directed by the Office of Academic Affairs. Periodic discussions of the curriculum between adviser and student enables the student to achieve maximum awareness of the academic opportunities available at the College.

Each student must consult with his academic adviser prior to each registration. The student bears full responsibility for meeting graduation requirements.

## **PROGRAMS OF STUDY**

Longwood College awards the Bachelor of Arts, the Bachelor of Fine Arts, the Bachelor of Music, 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.*



## 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 30 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
Anthropology . . . . .	B.A., B.S.
Art . . . . .	B.F.A., B.S., 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.
Earth Science . . . . .	B.S., B.A.
Elementary Education . . . . .	B.S.
English . . . . .	B.A.
Foreign Languages . . . . .	B.A.
Government . . . . .	B.S., B.A.
Health & Physical Education . . . . .	B.S.
History . . . . .	B.S., B.A.
Home Economics* . . . . .	B.S.
Mathematics . . . . .	B.S., B.A.
Music . . . . .	B.A.
Music Education . . . . .	B.M.E.
Music Performance . . . . .	B.M.
Office Administration . . . . .	B.S.
Philosophy . . . . .	B.A.
Physics . . . . .	B.S., B.A.
Physics (Pre-Engineering) . . . . .	B.S., B.A.
Pre-Medical Technology . . . . .	B.S.
Psychology . . . . .	B.S.
Social Work . . . . .	B.S., B.A.
Sociology . . . . .	B.S., B.A.
Special Education . . . . .	B.S.
Speech Pathology . . . . .	B.S., B.A.
Theatre . . . . .	B.F.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, and are as follows:

Anthropology  
 Art History  
 Art, General  
 Biology  
 Business Administration  
 Chemistry  
 Clothing & Textiles\*  
 Coaching  
 Communications  
 Computer Science  
 Dance  
 Earth Science  
 Economics  
 English  
 Foods & Nutrition\*  
 Foreign Language  
 Geography  
 Government  
 History  
 Journalism  
 Library Science  
 Mathematics  
 Music  
 Philosophy  
 Physics  
 Psychology  
 Sociology  
 Speech

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*\*To be closed; will admit no new students.*



## **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 University 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 with the chairman of the Department of Speech and Theatre, Longwood College; or the chairman of the Department of Speech Pathology and Audiology, University of Virginia.

## **Cooperative Program in Pre-Engineering**

Longwood has cooperative programs with Old Dominion University and the Georgia Institute of Technology which make it possible for students to earn either a B.S. or B.A. degree in physics from Longwood and a B.S. degree in engineering from ODU or Georgia Tech.

In addition, Longwood has a cooperative "Physicist to Electrical Engineer" program with the University of Virginia. This program makes it possible for a student to earn a B.S. or B.A. degree in physics from Longwood and a Master of Engineering or Master of Science in Electrical Engineering from U.Va.

These 3+2 dual-degree programs generally require three years of study at Longwood and two years at the engineering university. Major requirements for the physics degree as well as requirements for the first two years of the engineering degree are completed during the student's three years at Longwood.

Under the program with Georgia Tech, students may seek degrees in 13 engineering areas — Aerospace, Ceramic, Chemical, Civil, Electrical, Industrial, Mechanical, Nuclear, and Textile Engineering; Engineering Sciences and Mechanics; Textile Chemistry; Textiles; and Health Systems. The 3+2 program allows students to attend Longwood for three years and Georgia Tech for two years, after which they receive a Bachelor's degree from each institution.

The 3+2 program with Old Dominion results in a Bachelor's degree in civil, mechanical or electrical engineering from ODU. The 3+2 program with ODU, like the program with Georgia Tech, leads to degrees from both institutions.

Acceptance into either the Georgia Tech, ODU, or U.Va. programs is based on the recommendation of the pre-engineering adviser and the student's grade point average at Longwood.

All pre-engineering programs involve a prescribed curriculum.

## **Pre-Professional Preparation for The Medical Sciences**

This curriculum prepares students for admission to accredited schools of medicine, dentistry, nursing, medical technology, dental hygiene, physical therapy, occupational therapy, pharmacy, and medical record administration. Since requirements for professional schools may vary, students should communicate with the professional school they plan to attend prior to registration at Longwood College. Pre-professional advisers at Longwood will assist the student in selecting the appropriate courses to meet the admission requirements for any health related program.

Longwood College also offers several programs in cooperation with other institutions in Virginia. Students majoring in medical technology spend the first three years at Longwood completing the appropriate pre-professional course work. The fourth year is spent in professional training at an affiliated hospital. Upon successful completion of the senior year training, the student is awarded a B.S. degree in that specialty from Longwood College.



Completion of the requirements of the Longwood pre-professional curriculum does not guarantee admission to the professional program. Admission to all professional programs is competitive. Admission is based on the student's performance during the pre-professional period, personal recommendations, related work experience, and a personal interview.

## **Graduate Program**

Longwood College offers a Graduate Program leading to the degree of Master of Science in Education and a Master of Science in Arts in English. In Education, areas of specialization include supervision, elementary education, guidance and counseling, reading, and curriculum specialist.

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 description.

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

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.

## **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 advisers.

## **Army ROTC**

Army ROTC is available at Longwood for those students who are interested in exploring the possibility of earning a commission as an Army officer during their college years. The 100- and 200- level courses offered during the freshman and sophomore years serve two purposes: (1) they allow the student to determine whether serving their country as an Army officer will support their goals without making a military commitment; and (2) successful completion of these courses (if otherwise qualified) allows the student to enter the Advanced ROTC Program. Upon enrollment in the Advanced ROTC Program, the student must make a commitment to serve in the Army, and will receive \$100.00 per month for up to the twenty months required to complete the advanced program. The student is commissioned as a 2nd Lieutenant in the U.S. Army, U.S. Army Reserves, or the National Guard upon completing the Advanced ROTC Program and the requirements for graduation. Credit hours earned in any ROTC course apply toward the general elective credits required for graduation.



## Longwood's Honor System

Each student, faculty, and staff member will uphold the honor of the College through standards of integrity established by the Honor System. Trust and community spirit are essential to the academic mission of the College; so members of the College community are assumed to be honorable unless their conduct (lying, cheating, plagiarizing, or stealing) proves otherwise. The honor code pledge reads "I, . . . . . having a clear understanding of the basis and spirit of the Honor Code created and accepted by the body of Longwood College, Farmville, Virginia, pledge myself to govern my college life according to its standards and to accept my responsibility for helping others to do so, and with sensitive regard for my college to live by the Honor Code at all times and to see that others do likewise."









# Admissions

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**UNDERGRADUATE ADMISSIONS.** Longwood College accepts applicants for both fall and spring terms and is pledged to a non-discriminatory admissions policy.

## Application Procedure

1. Complete and return an application for admission. (The application must be accompanied by a non-refundable application fee of \$15.00, or by an official Fee Waiver Form of the College Entrance Examination Board which has been issued and signed by the student's counselor). Longwood College application forms may be obtained by returning a card in the back of this catalog. They are also available in most high school or community college counseling offices or by writing to the Office of Admissions, Longwood College, Farmville, VA 23901-1898.
2. Request that the students high school submit to the Director of Admissions a transcript of 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. Take the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board, or the American College Testing Service Examination (ACT), and request the test scores be sent to the Admissions Office, Longwood College (certain transfer students may be exempt from the testing requirement; see transfer student section). Students planning to major in a foreign language should take the achievement test in the language or languages of their choice for placement purposes. 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 on the transcript form.
4. Submit additional information the student believes to be pertinent to the admissions committee review and subsequent admission decision.

## Admission Criteria

**Freshmen:** Applicants for undergraduate degree programs should be a graduate of an accredited high school, anticipating graduation from an accredited high school or hold the GED Certificate with satisfactory scores. All students, whether high school graduate or GED holders are expected to meet certain minimum unit requirements for admission. These minimum units include:

Four units of English

Two units in mathematics including Algebra I and II or Algebra I and Geometry

One unit of a laboratory science, usually Biology

Two units in history including American History and Government. (Non-Virginia residents may substitute a second unit of history or social science in place of government.)

The College recommends additional units in science, mathematics and foreign languages.

Candidates for admission to the College are reviewed by the admissions committee. Admissions decisions are based on academic performance in high school. Performance will be measured by considering academic units completed, class rank, grade-point average, and the SAT or ACT results. Applicants are expected to have a cumulative grade-point average of at least "C" (2.0 on a 4.0 scale) on all courses taken in grades nine through twelve. The committee will also review additional information submitted by the candidate in support of the application. Primary emphasis is placed on the academic credential package.

When the College receives the student's application, application fee, the transcripts of the records, and scholastic aptitude test scores, its Committee on Admissions carefully examines



the student's qualifications and notifies the student as to whether or not the applicant is accepted for admission.

Students accepted for admission will be required to make a deposit of \$90.00. The date the payment is due will be indicated in the admission letter. The deposit is refundable until June 1 in the case of first semester admissions and as specified in the letter of admission for other admission times.

Candidates for admission to an undergraduate degree in music will be expected to audition prior to declaring that major.

**Transfer Students:** Applicants for advanced standing admission in undergraduate degree programs must present evidence of good standing at the last institution attended. A cumulative "C" average (2.0 on a 4.0 scale) for all hours attempted at all accredited colleges attended is expected for admission. Transfer applicants are reviewed with primary emphasis on the course work taken at the college level. Transfer applicants who will have earned fewer than 30 semester or 45 quarter hours in college level subjects prior to enrollment at Longwood and who are under 22 years of age may also be evaluated on their high school academic performance and SAT scores.

Virginia community college students planning to transfer to Longwood College should consult their community college counselor and review the Longwood College Transfer Guide. This publication is also available on request from the Office of Admissions. Specific questions about transfer policies and practices should be addressed to the Office of Academic Affairs or by calling that office at 804/392-9261.

Transfer applicants must meet the minimum unit requirements expected of freshmen applicants, either through their high school program or through equivalent or advanced college level classes.

**Undergraduate Continuing Education:** Non-traditional students returning to or beginning an undergraduate degree program should contact the Office of Admissions to discuss their particular situation and needs.

## **Readmission**

Students who have not attended Longwood College for one or more semesters must submit a readmission application, a \$10.00 fee, and transcripts from any other college or university attended during the period of absence. Eligibility to return will be based on the students academic standing at Longwood and interim work at any other institution.

Any student withdrawing during a semester or at the end of a semester who wishes to return at the next regular term must submit a readmission application along with the \$10.00 fee if applicable. Eligibility to return will be based on current academic standing at Longwood College.

Applications for readmission are available from the Office of Admissions in person, by mail, or by calling 804/392-9251.

**Special Students:** Admitted under special provisions, these students are identified as someone not seeking a degree. A student in this classification may be permitted to take courses for which they are qualified (advanced courses must have the instructor's approval) up to a limit of twelve (12) credits or four (4) courses, whichever is greater. When the limit is attained, the student must seek new approval from the Office of Admissions for another twelve (12) credits or four (4) courses. After attempting twenty-four (24) credits, the student may not enroll, even for audit, in any additional courses. No more than twenty-four (24) credits earned as a special student may be applied to a degree program at Longwood College.

Eligibility for special student status includes, but may not be limited to, students: who are rising high school seniors with a good academic record; are high school graduates or GED holders; have attended another college and left in good standing; did not leave a previous institution in good standing but have been out of college at least one academic year.

**Summer Session:** All students planning to enroll must demonstrate their eligibility. Students dismissed from other institutions for academic deficiencies may not enroll in classes at Longwood College (this policy may be waived for students who have been out of college for at least one year).



Students eligible to enroll include students currently attending or admitted to Longwood College, students currently enrolled in good standing at another institution and those students eligible to attend under the "special student" status.

### **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, NJ. Students seeking information concerning CLEP or Advanced Placement Examinations may contact the Educational Testing Service, the Registrar's Office of Longwood College, or their high school guidance counselor.

### **Graduate Program**

Longwood offers master's programs in Education and English. Students interested in these programs should direct inquiries to the Director of the Graduate Program.

### **Classification as a Virginia Student**

Entitlement to classification as a Virginia student and the privilege of paying in-state tuition is determined at the time of admission from information submitted by the student on the state domiciliary form. This form is attached to the application for admission, readmission, or will be sent to the student for completion by the Office of Admissions. In-state classifications are determined pursuant to the Code of Virginia.

The College may initiate a reclassification inquiry at any time after the occurrence of events or change in facts which give rise to a reasonable doubt about the validity of existing residential classification.

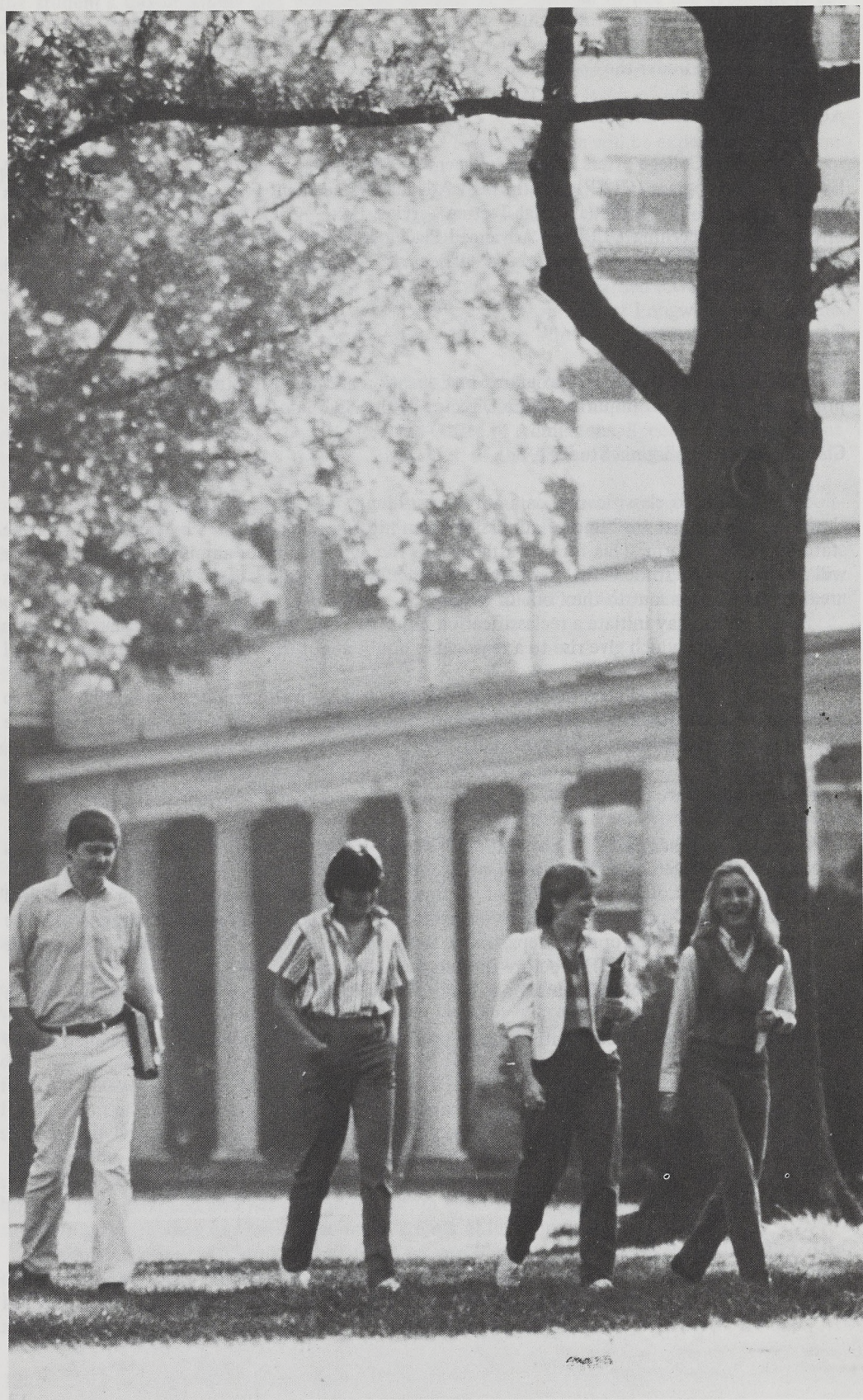
Appeal of the initial classification or subsequent reclassification requests should be made to the Dean of Students Office. Information and appeal forms may be obtained from the Office of Admissions or the Dean of Students Office.

### **Second Baccalaureate Degree**

A student who has earned a baccalaureate degree from an accredited institution may earn a second baccalaureate degree by satisfying these requirements:

1. Completion at Longwood College of at least 30 additional semester hours in a prescribed program beyond that work applied toward the first degree. The prescribed program must be approved by the appropriate department head and the Dean of the Faculty, and must be filed in the Registrar's Office before the program is begun.
2. Completion of all general education, major, and degree requirements in the second degree program.
3. Maintain a minimum cumulative grade point average of 2.0 with a 2.0 or higher in the second major.







# Expenses and Financial Aid

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

	Virginia Students	Non-Virginia Students
Tuition (all) . . . . .	\$1,218	\$2,400
Room *** . . . . .	1,260	1,260
Comprehensive Fee** . . . . .	914	914
Board		
15-meal plan. . . . .	1,132	1,132
19-meal plan. . . . .	1,244	1,244
Activity Fee . . . . .	50	50
TOTALS		
with 15-meal plan . . . . .	\$4,574	\$5,756
with 19-meal plan . . . . .	\$4,686	\$5,868

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

	Virginia Students	Non-Virginia Students
Tuition (all) . . . . .	\$1,218	\$2,400
Comprehensive Fee** . . . . .	750	750
Activity Fee . . . . .	50	50
TOTALS . . . . .	\$2,018	\$3,200

The fees indicated are for the 1985-86 academic year and are subject to change by the Board of Visitors at any time.

\*As a residential institution, Longwood College believes group living provides opportunities for personal growth, development, and education. 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. A Longwood student may be released from his/her residence hall obligation only to live at parents' home or for emergency (non-financial) situations upon the approval of the Director of Housing, the Vice President for Student Affairs and the Vice President for Business Affairs.

\*\*Includes charges for Athletics, Student Union, Infirmary, and other services.

\*\*\*All students residing in campus residence halls must pay a damage deposit of \$100 upon initial assignment to residence halls, excluding the summer term. Subsequently if the deposit balance falls below \$50 at any time, the student must restore the deposit to the \$100 level. The assessment of individual and group damages may be made against the deposit.

In addition to individual resident responsibility to damage to room accommodations (beyond normal wear), resident students will be liable for damages to common areas of their residence hall when individual responsibility cannot be determined and assigned. Responsibility for damage will be determined by the location of the damages and the nature of the circumstances surrounding the damage. Charges will be made against the damage deposit of each student responsible.

The deposit balance will be refunded to the student upon graduation from the College or withdrawal from the residence hall.

## Method of Payment

Students are responsible for paying their accounts as follows:

*First Semester:* one-half of the yearly charges, less any credits, will be billed on or about



July 1, and are payable by August 1. Failure to receive a bill does NOT waive requirement for payment when due.

*Second Semester:* the remaining half of the charges, less any credits, will be billed on or about November 5, and are payable by December 5. Failure to receive a bill does NOT waive requirement for payment when due.

Registration for each semester is not complete until fees and other charges have been paid or arrangements to pay have been made to the satisfaction of the College.

No credit for college work will be given to any student for a diploma, a teacher's certificate, or for transfer purposes until all financial obligations to the College have been paid or secured to the satisfaction of the College.

### **Classification as a Virginia Student**

Entitlement to classification as a Virginia student and the privilege of paying in-state tuition is determined at the time of admission from information submitted by the student on the state domiciliary form. This form is attached to the application for admission, readmission, or will be sent to the student for completion by the Office of Admissions. In-state classifications are determined pursuant to the Code of Virginia.

The College may initiate a reclassification inquiry at any time after the occurrence of events or change in facts which give rise to a reasonable doubt about the validity of existing residential classification.

Appeal of the initial classification or subsequent reclassification requests should be made to the Dean of Students Office. Information and appeal forms may be obtained from the Office of Admissions or the Dean of Students Office.

### **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 \$52.00 per credit hour. Non-Virginia students will be charged at the rate of \$102.00 per credit hour.

A comprehensive fee of \$25.00 per credit hour is charged for all part-time students enrolled for 7 credit hours or more. Failure to receive a bill does NOT waive requirement for payment when due.

### **Special Cost Waivers for Children of War Casualties**

Children between the ages of 16 and 25, either of whose parents was killed in action, is missing in action or a prisoner of war in any armed conflict, or is or may hereafter become totally permanently disabled due to service subsequent to December 6, 1941, while serving in the army, navy, marine corps, air force, or coast guard of the United States is eligible for free tuition and institutional charges, general or college fees, or any charges by whatever term referred to, board and room rent and books and supplies at any education or training institution of collegiate or secondary grade in the Commonwealth of Virginia if approved by the Director of the Division of War Veterans' Claims with the following stipulations

1. Parent was a citizen of Virginia at the time of such service.
2. Parent is, and has been, a citizen of Virginia for at least ten years immediately prior to the date on which application was submitted by or on behalf of such child for admission to any education or training institution of collegiate or secondary grade in this Commonwealth.
3. If parent is deceased, was a citizen of Virginia on the date of his or her death, and had been a citizen of Virginia for at least ten years immediately prior to his or her death.

Eligibility for these benefits is established by the Director of the Division of War Veterans' Claims, Richmond, Virginia 23216. Students who consider themselves eligible should contact the Director or may seek assistance from the Director of Admissions at Longwood.



## **Graduate Students**

For Virginia students taking graduate courses at the College, the charge is at the rate of \$52.00 per credit hour. For non-Virginia students, the charge is \$102.00 per credit hour. Graduate students registering for thesis work will pay a fee of \$312.00. This amount is to be paid only once.

## **Field Experiences**

Since charges vary for students enrolled in student teaching, social work, business administration, government, or therapeutic recreation, semester rates may be obtained in the Cashiering and Student Accounts Office. A \$90.00 deposit is required of all students enrolling in the field experiences program. This deposit will be invoiced by March 1. This fee is refundable until June 1.

## **Application and Readmission Fees**

An advanced 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 Office of Cashiering and Student Accounts on or about February 1, and is payable on or about March 1. Both the application fee and the readmission fee are not refundable.

## **Deposit**

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

*Current students* will be invoiced for the deposit on or about February 5, and it shall be payable on or about March 5. Failure to receive a bill does not waive requirement for payment when due.

*New students* will be invoiced for the deposit in the letter of admission from the Longwood College Admissions Office.

The deposit is refundable until June 1 in the case of current students and new students admitted for first semester and is refundable as specified in the letter of admission for other admission times. Requests for refunds must be made in writing to the Vice President for Student Affairs.

## **Liability Insurance**

Longwood College carries bodily and property damage liability insurance for all students engaged in observation and field experiences. However, professional liability is not provided.

## **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 \$15.00 will be charged for a Bachelor's diploma and a \$15.00 fee for a Master's diploma. This fee is payable to the Registrar at the time application is made for graduation and is non-refundable.



## Special Examination Fee

A charge of \$25.00 will be made for each approved deferred examination and for the one re-examination permitted each senior.

## Transcript Fee

One copy of a transcript will be provided without charge. Additional transcripts will be provided for a fee of \$4.00 for the first copy and \$1.00 for each additional copy requested at the same time. Transcript fees are payable to the Registrar.

## Automobile Registration

A fee of \$10.00 is charged for each automobile registered. Parking on campus is permitted if the permit issued on payment of this fee is displayed.

## Refunds

Official notification of withdrawal must be processed prior to any consideration for refund. This notification must be made in person or in writing to the Dean of Students. Refunds will be based on the effective date of withdrawal. NOTE: Refunds to students who have received financial assistance will be pro-rated in relation to the amount of financial assistance they have received and in accordance with Federal and state regulations.

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

- (a) A student withdrawing the first 5 days of classes will be refunded 100% of total charges less a \$250.00 withdrawal fee.
- (b) A student withdrawing during the first 25% of the academic period will be refunded 50% of total charges.
- (c) A student withdrawing during the period from 26% to 50% of the academic period will be refunded 25% of total charges.
- (d) After 50% of the academic period, the student will be refunded only a pro-rata amount of the unused board fee.

*Exceptions:* In unusual circumstances, refunds beyond the above schedule will be made at the discretion of the Vice President for Student Affairs to students who leave the College "for reasons beyond the student's control," such as for a verified incapacitation, illness, or injury. Enforced withdrawals, such as disciplinary suspension, do not involve refunds beyond the above schedule.

## Guests

Students entertaining guests in the College dining hall are charged the following rates, tax included: breakfast—\$2.50, lunch—\$3.50, dinner—\$4.50.

Meals for guests are charged at the rates stated above. Meal tickets may be secured from the Vice President for Student Affairs.

## 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 or her 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 Finan-



cial Form, which is available from high schools or Longwood College, and a financial data form available from Longwood. Application should be made prior to March 1 of the academic year for which funds are being requested.

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

### **Satisfactory Academic Progress**

If a student fails to make satisfactory academic progress, the student may be ineligible to receive aid. Most programs either have a limit on the number of semesters of eligibility and/or a limit on the total amount of funds that can be received. To maintain satisfactory academic progress, a student must average 24 earned credit hours per academic year and not receive less than a .5 GPA. If a student is required to enroll an extra semester to make up hours failed, the student may be faced with a problem of not receiving aid for this semester. Also, some programs require a student to progress a grade level each year in order to remain on the program.

The number of hours a student is enrolled may also affect the student's eligibility for a specific program. An example of this would be the Pell Grant Program. If a student is enrolled for 9 hours ( $\frac{3}{4}$  time) the student would only receive  $\frac{3}{4}$  of his/her Pell Grant.

A student who withdraws from the College after 50% of the semester, with the exception of students withdrawing for medical reasons, will not be eligible to receive financial assistance during the year they return.

### **Application for Assistance Procedures**

An application for assistance consists of the following: (1) A completed Financial Aid Form submitted to the College Scholarship Service no later than March 1, indicating Longwood College as the institution to receive the FAF. This need assessment document will determine the eligibility for a Pell Grant, a Virginia State grant, and all types of assistance from the institution; (2) A Financial Data Form available from the Longwood College Financial Aid Office; (3) A Federal Income Tax Return for the calendar year preceding the year for which aid is filed.

The award period for Longwood College is during the month of May; any applications received after April 1 will be awarded as they are received in the Financial Aid Office from the remaining funds.

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

### **Assistance Programs Available**

*Federal Programs available through Longwood:* Pell Grant, Supplemental Educational Opportunity Grant, National Direct Student Loan, College Work-Study Program, Guaranteed Student Loan Program.

*State Programs available through Longwood:* College Scholarship Assistance Program, General Undergraduate Scholarship.

*Institutional Programs at Longwood:* Institutional Work-Study. This program provides students the opportunity to work in various on-campus jobs and is not based on need.

*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 rank in the top 10 percent of their graduating class and have SAT scores of 1050 or above. The award amounts to \$4,000 over the student's 3 or 4 years. A brochure outlining this program may be obtained from the Admissions Office, Longwood College.

*English Education Scholar.* In addition to the criteria for the Longwood Scholars Program, the recipient must major in English and pursue course work for secondary teaching certification. The award amounts to \$8,000 over a student's 4 years at Longwood.

*Arts and Sciences Honors Program Scholarships.* This Honors Program enables outstanding



students to have enriched educational experiences such as discussions with visiting scholars, special "honors" courses, and invitations to Fireside Chats at the President's home. Participants also have preferred registration for courses. The program is open to students in any major. To participate, entering freshmen must have a combined SAT score of at least 1,000. Several \$1,000 scholarships are offered. See the "Academic Regulations" section of the *Catalog* for more information about the program.

*Valedictorian Scholarships.* Selected valedictorians receive this award, which is usually \$1,000 a year. Consideration is given to co-curricular activities, test scores, and recommendations.

*Honors Admission.* All entering freshmen who graduate in the top 15 percent of their class and have a minimum SAT score of 1150 receive a \$200 book scholarship.

*Linwood E. Kent Memorial Scholarships.* These are based on financial need and academic performance. The award is \$450 a year.

*Catherine Meriwether Scott Scholarships.* These awards are based on financial need, high school performance, test scores, recommendations, and co-curricular activities. The award varies up to \$1,000 a year.

*Minority Scholarships.* These scholarships are based on high school performance, test scores, financial need, recommendations, and co-curricular activities. The amount varies between \$500 and \$1,000 a year.

*Nellie Ward Vance Scholarships.* First consideration is given to new students from Campbell and Bedford counties and from the city of Lynchburg. Recipients are selected by the Financial Aid Committee and may receive the award for four years if their GPA is average or above. The amount varies up to \$1,200 a year.

*Sally Barksdale Hargrett Prize for Academic Excellence.* This prize will be given each year at commencement to the graduating senior who has achieved the highest academic record. The recipient will receive a certificate or plaque and a cash award of \$2,000. The prize is to be "an incentive to encourage students to greater effort in achieving academic excellence . . . to enrich their college experience and advance their own well-being and that of the College." Felix Hargrett of Roanoke established this prize in memory of his wife, Sally Barksdale Hargrett, a 1921 graduate.

## Army ROTC

Any full-time student, whether currently taking Military Science courses or not, may compete for an Army ROTC Scholarship which includes all academic fees, tuition, books, supplies and equipment, plus a subsistence allowance of \$100 per academic month. Scholarship information is available by writing to the Financial Aid Office or the Military Science Department at Longwood.

All Military Science Advance Course students also receive the subsistence allowance of \$100 per month. Questions on eligibility should be addressed to the Department of Military Science, Longwood College.

## Longwood Scholarship and Loan Funds

1. Financial Aid Scholarships. The Financial Aid Office awards a number of scholarships each year on the basis of financial need. For further information, contact the Office of Financial Aid. These scholarships include the following:

*Delta Kappa Gamma*—Awarded to a student who graduated from high school in Cumberland, Buckingham, or Prince Edward County.

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

*Lulie Evelyn Duke*—Awarded to an elementary education major from the Chesapeake-Portsmouth area.

*Jessie Ball duPont*—Awarded on the basis of financial need.

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

*Margaret Helm Gilmore*—Awarded on the basis of financial need.



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

*Linwood E. Kent Memorial*—Awarded on the basis of academic achievement and financial need.

*Elizabeth Savage Newlin*—Awarded to a student from the Eastern Shore of Virginia on the basis of financial need.

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

*Florence H. Stubbs*—Awarded to a student from Virginia or South Carolina on the basis of financial need.

*Virgie McCue Walker*—Awarded on the basis of financial need.

*Lettie Pate Whitehead*—Awarded to a student born south of the Mason-Dixon Line.

*Virginia Blanton Hanbury Fund for Academic Excellence*—Available to Dean's List students with financial need who have completed at least the freshman year. Recommendations are required from the Department Head and the Dean of the Faculty.

2. Department Scholarships and Awards. Many departments offer scholarships within the specific academic area. For further information concerning these scholarships, contact the department of the academic area involved.

(1) Art Department: Virginia Estes Bedford Memorial Scholarship; Franklin Federal Art Scholarship.

(2) Business/Economics Department: John P. Wynne Scholarship.

(3) Education: Martha Sinclair Rust and Mary Sinclair Rust Memorial Education Scholarship; Teacher Education Centennial Scholarship.

(4) English Department: Mary Clay Hiner Scholarship; Emily Barksdale Scholarship; Helen Draper Scholarship; Simonini Award.

(5) Home Economics Department: Lora Mae Bernard Scholarship; Worthy Johnson Crafts Scholarship; Dianne Collet Scholarship; Nell H. Griffin Scholarship.

(6) Mathematics/Computer Science Department: Badger-Magnifico Mathematics Award; John R. Clark Mathematics Education Award; Cada R. Parrish Elementary Mathematics Education Award.

(7) Music Department: Emily Clark Music Education Scholarship.

(8) Physical Education Department: Olive T. Iler Award.

(9) Science Department: Edith Stevens Award.

(10) Sociology Department: Kathleen Goodwin Cover Sociology Award.

(11) Speech/Dramatic Arts Department: Leola P. Wheeler Scholarship.

3. Other Scholarships:

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

*CHI Emergency Scholarship*—Awarded by CHI to students with emergency need. Students should contact the Office of the President if an emergency situation arises.

*Hull*—Awarded to Virginia students majoring in music and biological science on the basis of need and academic ability.

*Elizabeth Burger Jackson*—Awarded by Geist to an outstanding sophomore or junior.

*Dabney Stewart Lancaster*—Awarded by Student Government to an outstanding upperclassman.

*Helen Page Warriner-Burke*—Awarded for academic achievement to a rising senior in the humanities.

*Fred O. Wygal*—Awarded by the Freshman Class to a member of the Freshman Class who has participated in extracurricular activities, and has shown academic achievement, with consideration given to financial need.

*Alumni Scholarships and Loans*—Alumni scholarships and loans of varying amounts are awarded by the various alumni chapters. Questions should be addressed to the Alumni Office, Longwood College.

4. Longwood Loan Funds—For more information concerning loan funds, contact the Office of Financial Aid. Loan funds available include:

*Cover-Rowles*

*John A. Cunningham*



*Carrie Dungan/Nettie Chappell*  
*Carrie Fowles*  
*Robert Frazer*  
*Fay Byrd Johnson*  
*J. L. Jarman*  
*Jennie Masters Tabb*

## Outside Programs

**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 6% 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 St., Farmville, VA 23901, or phone 804/392-4933.

**Guaranteed Student Loan Program** enables the student to borrow directly from his/her local bank, credit union, savings and loan association, or any other participating lender who is willing to make the educational loan. Information and application forms are available from these lenders. If the student is unable to obtain a Guaranteed Student Loan from any of the above lenders, the student can apply through the Virginia Education Loan Authority (VELA). Information and applications may be obtained from the Financial Aid Office or by writing to VELA, 737 N. 5th St., Richmond, VA 23219. All Guaranteed Student Loans are guaranteed by the State and reinsured by the Federal government.

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

**Senior Citizens.** Senior citizens aged 60 or over with a Federal taxable income of less than \$5,000 per year can enroll in credit courses free of tuition provided they meet the admissions standards of the institution and space is available. Any senior citizen aged 60 or over can enroll in a non-credit course or audit a credit course free of tuition regardless of taxable income provided space is available.





# Student Life Services

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Longwood's statement of 14 student goals offers you a rich and challenging college life and provides purpose and structure to all Student Life Services. The 14 student goals reflect Longwood's commitment to your intellectual, personal, and physical development; to your involvement in shaping the quality of your experience here; and to the meaning your own values and directions provide the college years. The goals are listed on page 41.

Primary responsibility for learning rests with you. Student services and programs will challenge and support you while you clarify and attain your educational objectives; yet, you are responsible for curriculum requirements. Faculty advisors are available to assist you in making decisions about courses and requirements. You are urged and invited to discuss your plans with faculty advisors. Student Affairs staff members will assist you to bring together your aspirations, motivations, responsibilities, and energies throughout your years at Longwood and will encourage involvement in academics as a major student effort.

## Student Development at Longwood

The Longwood Board of Visitors endorsed Student Development, as expressed in the 14 student goals, as a focus for program planning, design and implementation; as a policy pertinent to all programs and procedures; and as a concept, focus, and direction for programs and procedures. The Board endorsed the following:

"Student Development embraces the 14 Longwood student goals, as well as each student's opportunity to assess his/her developmental needs, pursue goals and experiences to fulfill those needs, design and implement progress intended to foster growth, evaluate achievement, and record this attainment.

The student development policy will give direction, shape and focus to student affairs programs and procedures, and it will assert Longwood's focus on the student as an integrated person, both personally and intellectually."

## Vice President for Student Affairs, Dean of Students, and Director of Student Services

The offices of the Vice President for Student Affairs, the Dean of Students, and the Director of Student Services, in conjunction with their high regard for individual students and devotion to educating students in and for a free society, coordinate student services and programs. These offices assess and reassess student characteristics and needs, help students to match their needs with existing opportunities for personal and academic success, and emphasize involvement in the learning process.

The office of the Director of Student Services, together with Student Development Educators, identifies the interests and concerns of students, provides programs to meet student needs, and creates opportunities for students to work individually with each other and with faculty and staff to pursue and measure their accomplishment of Longwood's 14 student goals.

The office of the Dean of Students is responsible for the quality of student life and gives leadership to housing and residence education programs, student activities, the Student Union, and leisure time involvements.

The office of the Vice President for Student Affairs gives leadership to students' well-rounded development through the entire range of student life services and programs: admissions, financial aid, orientation, housing and residence education, dining services, bookstore, campus activities, counseling services, health services, career planning and placement, and campus police. Student life services and programs enable and expect students to focus on their academic commitments with determination and enthusiasm; these programs also encourage



student involvement as they are part of the institutional effort to socialize youth, identify talent, and encourage creativity.

## **Orientation**

Entering the college environment produces many challenges. To help students develop a sense of belonging and involvement, a personal direction, and a healthy perspective on the college experience, orientation programs are provided throughout the freshman year, especially through the community responsibility/development program in the residence halls. Orientation is designed to provide academic information, campus familiarization, and a warm welcome to the Longwood community.

## **Housing, Residence Hall Education, and Dining Services**

Longwood is committed to the educational potential of residence halls. Through residence hall living experiences, students learn to correlate work, leisure, and the learning process, and come to regard learning as an integration of all aspects of college life.

Residence Education Coordinators, who are full-time professional staff members, and Resident Assistants, who are students, provide leadership in each residence hall to stimulate and sustain a variety of interests among students. They also assist students in realizing their individual as well as community objectives. Student responsibility for behavior, community, activity, and learning is encouraged; students learn the meaning of care and consideration for people and property. Students are expected to live in the residence halls as part of the residential education program, unless they choose to live with parents. The Director of Housing is responsible for the residence requirements and works with students as they make their plans.

Students are responsible for the care and cleanliness of their rooms and for the condition of their floor and residence hall. A damage/contingency deposit is collected from each student and serves as an incentive for responsible involvement and behavior. In order to personalize rooms, students are encouraged to consider (with roommate) unique furnishings and are expected to supply lamps, bedspreads, drapes, blankets, pillows, and linens. Longwood provides beds, dressers, desks, and closets. Kitchens, laundry and vending facilities are located in each residence hall; study lounges, recreation rooms, and televisions are available.

Ten residence halls offer a variety of social and educational options for men and women. Tabb and French Halls, the oldest halls, are located east of Ruffner Hall and overlook the College colonnade and sunken gardens. The Cunninghams, constructed in 1928, 1932, and 1938, form a complex of halls in the center of campus. Wheeler, Cox, and Stubbs Halls were built during the period, 1960-66, and are located on the western edge of the campus. Curry and Frazer are modern high-rise facilities that were completed in 1969 and 1970, respectively; they are centrally air-conditioned. Special living areas with themes and focus bring together students with common interests. Information on special living options is available from the Housing Office.

Blackwell Dining Hall is a significant part of student life. The dining hall offers a variety of nutritional services and meals. Students will be able to experience options of family-style service and international dining. Food service is currently provided by the ARA Slater Management, Inc., a nationwide firm specializing in food service for colleges and universities and for industry.

## **Campus Activities**

Longwood provides activities and leisure programs to enhance the development of friendships and opportunity for involvement with the college experience. Activities and leisure programs help students to learn the meaning and opportunity of leisure time, to gain skills in interpersonal relationships, to identify a sense of direction, and to discover and develop a sense of awakening conducive to success and satisfaction. Students learn leadership and responsibility through the quality of their participation in these programs.

Leisure programs and campus activities are developed according to student needs and



interests and reflect Longwood traditions as well as emerging issues. Programs and services address special interests such as outdoor activities, leadership, music, and health; emerging issues such as black/white relations, responsible alcohol use, and time management; and opportunities for special student populations: off-campus students, women, transfer students, and minority students.

## Student Union

Students work together in the Student Union to provide a range of social, educational, and cultural activities for students. The Student Union sponsors films, mixers, concerts, coffee-houses, Saturday Night Alive programs, and special events throughout the year. Students plan and implement these programs and learn while doing.

The Lankford Student Union is the hub of student life and activity. The lower floor contains a recreation area with bowling alleys, pool tables, pinball, a campus club, post office, and offices for student publications. The entrance by the club opens to a patio with umbrella tables for enjoying the outdoors. The upper floor contains the Gold Room (for social events), reading rooms, a television room, conference rooms, the office for student government, and the Student Union office. Off-campus students can enjoy their own lounge with a kitchen, telephone and mailboxes in this area.

## Clubs and Organizations

The challenges and opportunities of personal development and campus involvement are often found in student clubs and organizations. Members and leaders can gain interpersonal and communication abilities, confidence, and a sense of direction.

In order to enhance and enrich these opportunities, various leadership experiences are offered to teach students the skills of team building, membership involvement and recruitment, meeting management, goal setting, program planning and implementation, decision making, problem solving, and evaluation. Clubs and organizations are described in the *Student Handbook*. A list of current groups and officers is available in the Student Union office.

**Sororities and Fraternities:** The opportunity for membership and collegiality in sororities and fraternities is available to students who desire these affiliations and responsibilities. These groups are self-directed and creative in designing goals, accepting responsibilities, and communicating with others. In sororities and fraternities, students become involved with community responsibility and meaning of friendship and community service. The Panhellenic Council and the Interfraternity Council coordinate the promotion of sororities and fraternities, the educational efforts, and their responses to the needs of their members and the needs of Longwood.

## Student Publications

The College supports two student publications through the leadership of a Publications Board. Primary responsibilities of the Board include selection of the editors, commitment to a set of standards appropriate to the quality of journalism, and fiscal accountability. Membership on the Board includes students, faculty, and staff.

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

*Gyre* is a literary magazine. Students contribute essays, poetry, short stories, and other writings, as well as art work. *Gyre* sponsors contests to stimulate literary effort.

## Religious Organizations and Churches

As part of their education and experience at Longwood, students refine ideals and values, and connect those values with personal and academic goals. The Interreligious Council, Baptist Student Union, Newman Club, and Wesley Foundation provide spiritual activities specifically



designed to meet the needs of students. Baptist, Episcopal, Catholic, Presbyterian, and Methodist churches are represented by campus ministers. 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 church life. Farmville churches include Baptist, Church of God, Episcopal, Lutheran, United Methodist, Presbyterian, Roman Catholic, Seventh-Day Adventist, and Wesleyan Methodist.

## **The Student Government Association**

Longwood's Student Government Association contributes to the quality of student life by providing services, offering programs, and proposing policies in line with students' needs and interests. Members of SGA are chosen in annual campus elections.

The Student Government Association is centralized in an Executive Council and a Student Senate. Reporting to the Senate are four boards: Campus Life, Residence Life, Student Union, and Policy Review. The first three committees initiate activities and suggest policy proposals to the Senate. The Senate, in turn, makes policy recommendations to the President or to individuals or groups as designated.

Judicial functions at Longwood are shared by Student Government and the Dean of Students office. Judicial Board, composed of elected students, is responsible for Longwood and residence hall regulations. The Student Judicial Board makes recommendations to an administrator. The Honor Board enforces the Honor Code prohibition against lying, cheating, and stealing. (In instances of very serious student misconduct, illegal drug offenses, or when, for some legitimate reason, a Student Board cannot hear a case, the matter will be assigned to the College Disciplinary Hearing Committee or to an administrator.)

## **Student Health Services**

Longwood maintains Student Health Services for students who require medical attention. Physicians are available to see students on a regular basis each week during the academic year. Services of consultants, hospitalization, private nurses, special prescriptions, x-rays, and other laboratory work are at the expense of the student; however, certain laboratory procedures, such as strep screens, urinalysis, mono spot tests, and urine pregnancy tests are provided free of charge. Health Services staff communicate with parents immediately in case of serious illness; otherwise all student health records are confidential.

The Southside Community Hospital is located only a few blocks from Longwood. It is well-equipped and has a capable staff of physicians and surgeons.

Students must have a Health Record on file in Student Health before they may use the Student Health Services. All students also must be immunized against measles and rubella.

Longwood has arranged with a casualty company for the provision of a student accident and sickness insurance plan. Participation in this plan is voluntary, and the premium must be paid by the student.

## **Counseling Service**

The Counseling Service provides assistance to students in the area of personal development, career development, and learning skills. Students can seek help individually on personal concerns, career decision-making, and study needs.

Group programs are offered to cover topics in the areas of decision-making, problem-solving, and gaining self-awareness. Topical issues such as stress management, interpersonal relationships, study skills, and women's issues are offered each semester.

## **Campus Police**

The Campus Police have the responsibility of law enforcement, security, parking enforcement, and public relations on the Longwood campus. In addition to the regular force of officers, the Campus Police are supplemented by a student auxiliary organization attached to



its administrative and security functions. The south-center portion of the Graham Building houses the Campus Police Operations Center.

Parking areas are limited on the Longwood campus. As a result, parking is by Longwood permit only for students, faculty, and staff. Every attempt is made to provide ample parking on the campus; however, Longwood cannot guarantee a place on campus for every student wishing to bring a vehicle, nor is it liable for theft from, or vandalism of, these vehicles while parked on campus.

## **Office of Career Planning and Placement**

Planning careers during the college years and securing employment after college is an integral part of the collegiate experience.

Using the services offered by Career Planning and Placement, students obtain information regarding career options available to majors in various academic and professional programs. It is important that students establish contact with the office early in their college career, preferably during the freshman year. A brand new career resource center is part of the service and will be a major help to new students as they plan for the future.

The Office of Career Planning and Placement serves as a liaison for alumni, students, and prospective employers such as school systems, business, industry, government, and the military. Representatives from these segments of the world of work visit the campus for the purpose of interviewing prospective employees.

The Office assists students in job search strategies by conducting workshops and seminars on such topics as interviewing techniques and resume writing, and by sponsoring speakers on various topics.

Each graduate is encouraged to maintain a credentials folder which may be mailed to prospective employers upon request. Credentials are on file for 10 years after date of graduation.

Equal Opportunity Employers are urged to recruit on campus.

## **Intercollegiate Athletic Program**

The Intercollegiate Athletic Program at Longwood consists of 15 teams: baseball (men), basketball (men and women varsity), field hockey (women), golf (men and women), gymnastics (women), lacrosse (women), riding (coed), softball (women), soccer (men), tennis (men and women), volleyball (women), and wrestling (men). Longwood is a member of the National Collegiate Athletic Association (NCAA), Division II, Mason-Dixon Athletic Conference (MDAC), and Virginia Association of Athletics for Women (VAIAW).

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 sports skills; (3) encouraging excellence in performance of sports skills; and (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, athletics shall remain secondary in importance to academic responsibilities, and these programs shall continue to be conducted upon principles which are consistent with the educational aims and objectives of Longwood.

## **Intercollegiate Athletic Council**

The purpose of the Intercollegiate Athletic Council is to recommend to the President policies and procedures for intercollegiate athletics as they relate to the total college function.

The responsibilities of the Council include:

1. Reviewing as an auxiliary enterprise activity the operational and scholarship budget(s) as submitted by the Athletic Director.
2. Reviewing Title IX implications and future legislation as it pertains to athletics at Longwood.
3. Considering requests for new sports and new teams, or modifications and deletions of existing teams.



4. Endorsing programs which enhance the overall athletic program.
5. Maintaining an awareness of NCAA regulations and how they apply to Longwood.

The Intercollegiate Athletic Council is appointed by the Vice President for Academic Affairs and includes the following members: three faculty members (one coach); two administrative staff members; three students (one athlete); and the Athletic Director. The Athletic Director and Sports Information Director are *ex officio* members of the Council.

## Honor and Professional Societies

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

The principal honor organization on campus is Geist. Established in 1966 as an outgrowth of Alpha Kappa Gamma, Geist recognizes men and women in their junior and senior years who have compiled outstanding records in leadership, scholarship, and service to the Longwood community. The members of Geist continue to serve Longwood 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 thoughts of 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/she 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 honor societies are available. Listings of these honoraries may be found in the *Student Handbook*.

## Intramural Activities Association

All full-time undergraduate students are eligible to participate in the activities sponsored by the Intramural Activities Association. Some of these activities are: Color Rush—a series of relay races between greens and reds during Oktoberfest weekend; Song Contest—a competition between classes for the best song; and a "Superstars" competition to pick the male and female Intramural Superstar.

The organization conducts tournaments in the following activities: flag football, frisbee, golf, three-man basketball, tennis, indoor soccer, ultimate frisbee, bowling, volleyball, pool (billiards), swimming relays, basketball, ping pong, badminton, spades (cards), innertube water polo, and softball. In several sports there is an A and B league so every student can participate at his/her skill level. IAA now also offers structured activities on weekends and tournaments such as coed softball, coed bowling, and backgammon.

The gyms and fields are open for "free" play/recreation during specified times. Students may check out equipment to use with college I.D.

Come to Iler Gym to see how you can get involved in your intramural program.



# Academic Regulations

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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 catalog that are numbered between 100 and 299 are designed primarily for first and 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 and advanced undergraduates.

## Student Load

The College is organized on the semester plan whereby the credit hour, abbreviated as "credit," is the semester hour. Freshmen normally carry 15 to 17 credits but may carry eighteen credits if they earned at least 2.0 on their previous semester's work. Upperclass students normally carry 15 to 18 credits but may carry up to twenty-one credits if they earned at least 2.0 on their previous semester's work. A schedule beyond that amount requires special permission from the Assistant Dean for Student Academic Standing. Students must take at least twelve credits to maintain full-time status.

## Registration and Course Changes

Advanced registration for courses is held each semester for the subsequent semester. Students whose bills are not paid on time forfeit the advance registration schedule and must re-register and pay their fees at a designated time immediately prior to the beginning of classes for the semester. After registration, all schedule changes made by students must be approved by the student's faculty adviser and must be processed in the Registrar's Office during the designated drop and/or add periods.

No student is permitted to enroll in a course for credit later than one week after classes begin in any semester. Any student who wishes to drop a course or to withdraw from the College after the end of the designated drop period must submit a request to the Assistant Dean for Student Academic Standing, in the case of individual courses, or to the Dean of Students, in the case of withdrawal from the College, who will assist the instructor(s) in assessing the reason for the request. The instructor(s) will assign a grade(s) of W or WF on the basis of this assessment and the student's prior performance.

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

## 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 makeup work has not been completed by mid-semester estimates immediately following the semester in which the "I" was incurred.*
- T:** This symbol indicates participation on a non-credit basis (audit) by students who meet certain minimum standards set by the course instructor. Students wishing to audit must have permission from the head of the department in which the course is offered and are subject to the same tuition and fees as students enrolled for credit.
- W:** This symbol indicates withdrawal without penalty and may be assigned by the instructor in collaboration with the Dean of Students or the Assistant Dean for Student Academic Standing for those students who are permitted to drop a course for valid reason or who withdraw from the College for valid reason after the end of the "drop" period. (Students withdrawing during the final two weeks of classes each semester will not be readmitted for the following regular semester, unless the withdrawal is caused by legitimate medical reasons.)
- WF:** This symbol indicates withdrawal while failing and may be assigned by the instructor in collaboration with the Dean of Students or the Assistant Dean for Student Academic Standing for those students who drop a course or withdraw from the College after the end of the "drop" period in cases where no valid reason is evident, or when failure in the course is considered to take precedence over the reason for dropping the course or withdrawing from the College. This grade is treated as a grade of F in computing quality point average.
- Plus (+) and minus (-) grades may, at the discretion of the instructor involved, be recorded. Pluses and minuses do not affect the computation of the quality point average.

The lowest passing grade is "D." However, to earn a degree a student must achieve a general average of "C" (quality point average of 2.00) on all college work. The student must also have a general average of "C" (quality point average of 2.00) in those courses constituting the major subject or field. By definition, the major subject or field consists of all courses listed as "major requirements" in the major program curriculum plus all additional courses taken in the same discipline as the major except those courses specifically excluded by the major department.

### Pass/Fail

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 and minor requirements. The student must do satisfactory work in order to obtain a passing grade. Satisfactory work is defined as "C" work or better. Pass/Fail hours earned will not be included in the grade point average. Failure in a Pass/Fail course is averaged in the same way as failure in any other course. Students who wish to take a course for Pass/Fail credit must notify the Registrar of that fact by the end of the first six weeks of classes in the semester. Once this declaration is made, grading status cannot be changed.

### Audit

Class size permitting and with department approval, a student may register for a course on an audit basis. Auditing a course means that a student enrolls in a course but does not receive academic credit. A student who registers for audit may be subject to other course requirements at the discretion of the instructor. Audit students are charged the regular rate of tuition and fees, and an audit course is counted as part of the student's semester load. (For purposes of enrollment certification for VA benefits or other programs requiring "for credit" enrollment, audit courses will not count toward the minimum number of credits required for full-time status.)

A change in registration from "audit" to "credit" or from "credit" to "audit" must be effected by the end of the add period. A course taken for audit cannot be changed to credit at a later date, nor can a course taken for credit be changed at a later date to audit.



## Mid-Semester Estimates

At the end of the first half of each semester of the regular session, mid-semester grade estimates are issued to freshmen. 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 showing the final grade earned in each course in which they are enrolled.

## Repetition of Courses

Should the student choose or be required to repeat any courses, for the first five (5)\* courses repeated, the student's most recent grade will be used in computing the quality point average, without increasing the total number of hours attempted in calculation of the quality point average. However, though the most recent grade is used in computing the quality point average for the first five courses, all final grades received in the course(s) appear on the transcript. If additional courses are repeated, all grades and hours attempted for these courses will be used in the calculation of the quality point average.

\*In this context "five" applies to the number of repetitions, NOT necessarily to distinct courses. A student who takes a particular course four times in order to achieve a satisfactory grade thus uses three "repeats."

## 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 "B" grade is made; 2 quality points are given for each credit on which "C" grade is made; and 1 quality point is given for each credit on which "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 by the total number of semester hours attempted. *A student's quality point average is based only on work taken at Longwood College.*

## Scholastic Achievement Necessary to Remain in College

(NOTE: Academic Probation as defined in this section will be in force during the first semester of 1985-86. A new system, described in the next section, will be used beginning with the spring semester, 1985-86.)

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

Full-time students at any class level who achieve less than a 0.5 average during any semester will be placed on academic probation immediately. Such students will be given one semester, during which at least 12 hours must be attempted, to make at least a 2.0 on that semester's



work. Failure to achieve this average in a semester will result in academic suspension from the College for a calendar year.

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

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

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

- 1.0 at the end of the first semester;
- 1.6 at the end of the freshman year;
- 1.8 at the end of the sophomore year;
- 2.0 at the end of the junior year and thereafter.

Students are reminded that a 2.0 cumulative quality point average on all work and in all major courses is necessary for graduation.

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

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

#### **Academic Probation and Suspension Policy (to be implemented Spring Semester 1985-86)**

Students are expected to make reasonable academic progress and must maintain a specified grade point average on the number of hours attempted to remain in good standing. Students who fall below the minimum standards for continuance (shown in the attached table) at any time will be placed on academic probation or suspended from school for one semester immediately following. Decisions about continuance at the College will be made on the basis of all grades on record at the end of each semester.

Since academic probation indicates serious academic difficulty, students on probation are encouraged to seek assistance in improving academic standing. While on probation students are not permitted to participate in intercollegiate competitive activities or to hold an office or a chairmanship of a standing committee of a student organization.

Academic suspension means required withdrawal from the College for a period of one semester immediately following a session in which there was not a sufficient grade point average (as shown in the attached table).

Students may appeal suspension decisions to the Faculty Petitions Committee, particularly when there have been extenuating circumstances.

The third suspension is considered permanent; however, students may request reconsideration of the Faculty Petitions Committee after a period of five years, particularly when there have been extenuating circumstances.

For transfer students using the table, the "hours attempted" is equal to the sum of semester hours attempted at Longwood and hours transferred to Longwood from other institutions.



# ACADEMIC PROBATION AND SUSPENSION TABLE

Semester Hours Attempted	Required Cumulative GPA to Avoid Probation	Required Cumulative GPA to Avoid Suspension		
		2nd Sem. 1985-86	1986-87	1987-88
1 through 16	1.00	.60	.70	.80
17	1.02	.62	.72	.82
18	1.04	.64	.74	.84
19	1.06	.66	.76	.86
20	1.09	.69	.79	.89
21	1.11	.71	.81	.91
22	1.13	.73	.83	.93
23	1.15	.75	.85	.95
24	1.18	.78	.88	.98
25	1.20	.80	.90	1.00
26	1.22	.82	.92	1.02
27	1.25	.85	.95	1.05
28	1.27	.87	.97	1.07
29	1.29	.89	.99	1.09
30	1.31	.91	1.01	1.11
31	1.34	.94	1.04	1.14
32	1.36	.96	1.06	1.16
33	1.38	.98	1.08	1.18
34	1.40	1.00	1.10	1.20
35	1.43	1.03	1.13	1.23
36	1.45	1.05	1.15	1.25
37	1.47	1.07	1.17	1.27
38	1.50	1.10	1.20	1.30
39	1.52	1.12	1.22	1.32
40	1.54	1.14	1.24	1.34
41	1.56	1.16	1.26	1.36
42	1.59	1.19	1.29	1.39
43	1.61	1.21	1.31	1.41
44	1.63	1.23	1.33	1.43
45	1.65	1.25	1.35	1.45
46	1.68	1.28	1.38	1.48
47	1.70	1.30	1.40	1.50
48	1.72	1.32	1.42	1.52
49	1.75	1.35	1.45	1.55
50	1.77	1.37	1.47	1.57
51	1.79	1.39	1.49	1.59
52	1.81	1.41	1.51	1.61
53	1.84	1.44	1.54	1.64
54	1.86	1.46	1.56	1.66
55	1.88	1.48	1.58	1.68
56	1.90	1.50	1.60	1.70
57	1.93	1.53	1.63	1.73
58	1.95	1.55	1.65	1.75
59	1.97	1.57	1.67	1.77
60	2.00	1.60	1.70	1.80
61	2.00	1.62	1.72	1.80
62	2.00	1.64	1.74	1.80
63	2.00	1.66	1.76	1.80
64	2.00	1.69	1.79	1.80
65	2.00	1.71	1.80	1.80



66	2.00	1.73	1.80	1.80
67	2.00	1.75	1.80	1.80
68	2.00	1.78	1.80	1.80
69	2.00	1.80	1.80	1.81
70	2.00	1.80	1.80	1.81
71	2.00	1.80	1.80	1.81
72	2.00	1.80	1.80	1.81
73	2.00	1.80	1.81	1.81
74	2.00	1.80	1.81	1.81
75	2.00	1.80	1.81	1.81
76	2.00	1.80	1.81	1.81
77	2.00	1.81	1.81	1.81
78	2.00	1.81	1.81	1.82
79	2.00	1.81	1.81	1.82
80	2.00	1.81	1.81	1.82
81	2.00	1.81	1.82	1.82
82	2.00	1.81	1.82	1.82
83	2.00	1.81	1.82	1.82
84	2.00	1.82	1.82	1.82
85	2.00	1.82	1.82	1.82
86	2.00	1.82	1.82	1.82
87	2.00	1.82	1.82	1.83
88	2.00	1.82	1.82	1.83
89	2.00	1.82	1.83	1.83
90	2.00	1.82	1.83	1.83
91	2.00	1.83	1.83	1.83
92	2.00	1.83	1.83	1.83
93	2.00	1.83	1.83	1.83
94	2.00	1.83	1.83	1.83
95	2.00	1.83	1.83	1.83
96	2.00	1.83	1.83	1.84
97	2.00	1.83	1.84	1.84
98	2.00	1.84	1.84	1.84
99	2.00	1.84	1.84	1.84
100	2.00	1.84	1.84	1.84
101	2.00	1.84	1.84	1.84
102	2.00	1.84	1.84	1.84
103	2.00	1.84	1.84	1.84
104	2.00	1.84	1.84	1.84
105 and above	2.00	1.85	1.85	1.85

NOTE: A grade point average of 2.00 is required for graduation.

### 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, refunds may or may not be made at the discretion of the Vice President for Student Affairs.

### Release of College Transcripts

In order for the transcript of a student's academic record to be released to a third party, the Registrar's Office must receive a request *in writing* from the student [see (e) of "Longwood College Policy on Student Records"].



## Longwood College Policy on Student Records

Longwood College student record policies are in full compliance with the Family Educational Rights and Privacy Act of 1974 (Public Law 93-380, Section 438) and the Virginia Privacy Protection Act of 1976 (Senate Bill 335). The accumulation, processing, and maintenance by the College of student data is limited to that information, including grades, which is necessary and relevant to the purposes of the institution. The personal data of students will be used only for the purpose for which it is collected. Procedures for the internal operation of the various offices at the College are established by each office staff so as to conform to the stated College policy.

Student data, whenever possible, shall be collected directly from the student; every effort will be made to ensure its accuracy and security. It shall be the express responsibility of the student to notify the Dean of Students' Office of any change in student status. Any student or applicant for admission who initially or subsequently refuses to supply accurate and complete personal information as is legally allowed may be denied admission or readmission or may jeopardize current student status. Falsification of records with the intent to give untrue information is a violation of the Longwood College Honor Code.

The College shall provide for the confidentiality and security of official student data and, therefore, will not release student information except:

- (a) Public information as listed in directories and listings of student data which may include the student's name, address, telephone number, date, and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, the most recent previous educational agency or field address, dates of field experience, and other similar information. A student may inform the College in writing that any or all public information may not be released without prior consent. The College reserves the right to indicate to potential inquirers whether or not a student is currently enrolled and/or the date of attendance. In the case of telephone requests for information, the College will identify the names of current students or graduates and release dates of attendance and the major field of study.
- (b) To the students themselves.
- (c) To parents or a financial institution as defined in Section 152 of the Internal Revenue Code of 1970.
- (d) To authorized College personnel (administrative officers, faculty, or their designees) who have legitimate educational research or performance of other duties promoting necessary functions and management of the College as approved by the records access control officer.
- (e) To a third party agency as expressly designated in writing by the student.
- (f) To other agencies as required by court subpoena.
- (g) In a situation of emergency in which the knowledge of confidential student information is necessary to protect the immediate health or safety of a student or other persons.

Student access to all personal records shall be permitted within 45 days of a written request, during normal office hours. All records shall be available and in a form comprehensible to the student except for:

- (a) Medical records which, upon written authorization, shall be submitted to a psychologist or physician designated by the student.
- (b) Confidential financial statements and records of parents as excluded by law.
- (c) Third party confidential recommendations when such access has been waived by the student. Where a waiver has been given, parents as well as students are excluded from viewing such confidential information.

The College shall provide an opportunity, during normal office hours, for a student in person, a student accompanied by a person of his or her choosing, or by mail with proper identification, to challenge the existence of information believed to be inaccurate, incomplete, inappropriate, or misleading. All personal data challenged by a student shall be investigated by College officials, following established channels. Completion of an investigation shall result in the following actions:



- (a) If the College concurs with the challenge, student records shall be amended or purged as appropriate; and all previous record recipients shall be so notified by the College.
- (b) If the investigation fails to resolve the dispute, the student shall be permitted to file a statement of not more than 200 words setting forth his or her position, copies of which will be supplied at the student's expense, to both previous and subsequent recipients of the record in question.
- (c) If a student wishes to make an appeal of the decision, he may do so in writing to the President of the College.

The names, dates of access and purposes of all persons or agencies other than appropriate Longwood College personnel given access to a student's personal records shall be recorded and maintained. Student records are retained by the College for at least one year after completion of work at the College. Permanent academic records from which transcripts are derived are maintained indefinitely. A student may request and receive information concerning the record of access to his personal information file.

## Examinations

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

Re-examinations are not permitted for freshmen, sophomores, or juniors. Seniors, with the consent of the instructor, may be permitted one re-examination during the senior year. At the conclusion of the fall semester, the student will have ten college working days after the end of the college's regularly scheduled examination period in which to request a re-exam. At the conclusion of the spring session, such requests must be made within five days after the college's regularly scheduled examination period. Arrangements must be made with the instructor and approved by the Registrar, so that the examination can be completed and the grade submitted prior to the closing date for degrees to be conferred that semester or summer session. A fee of twenty-five dollars is assessed for this re-examination and must be paid prior to taking the exam.

## 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 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.

Any regularly enrolled undergraduate who wishes to take work at another institution to transfer to Longwood should secure permission from the Assistant Dean, prior to enrolling in such courses. Upon completion of work, official transcripts must be sent from the host institution to the Assistant Dean.

Graduate students should have official transcripts sent to the Director of the Graduate Program. Students applying for admission as transfer students should have official transcripts sent to the Director of Admissions.

Not more than fourteen semester hours of correspondence course credit may be credited toward a degree. *WARNING: Correspondence courses should not be started after the beginning of the senior year, and should be completed and documented by no later than April 15 of the senior year, since failure to complete correspondence work is a frequent cause of failure to meet graduation requirements.* The College does not accept, on transfer, credits earned through correspondence courses in the natural and physical sciences and certain other subjects. Students must obtain approval to include in the 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 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 course, the credit to be earned in the course will be counted in the total load of work that the student is permitted to carry.

### English Proficiency

Any student identified by a faculty member as lacking proficiency in English composition may be referred to the English Proficiency Committee for testing. If the test results reflect an incapacity to write correctly and effectively, the student will be placed on communication condition. Students placed on communication condition may not undertake any internship or graduate until they complete the remedial work stipulated by the English Proficiency Committee and demonstrate proficiency by passing the examination.

### 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. Since failure to attend class may impair the educational process as well as academic performance, the instructor may assign a grade of "F" when a student has missed more than 25% of class sessions. Instructors may require explanations for class absences, and they will decide whether these explanations justify permitting the student to make up the work.

Instructors are requested 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.

### Graduation Requirements

The College awards the bachelor's degree to students who have fulfilled the following requirements:

- (1) Completion of all study required in one of the seven degree programs offered.
- (2) Completion of one hundred twenty-six (126) semester hours of credit for graduation in major programs that do not require field experiences, or one hundred twenty-eight (128) semester hours of credit for graduation in major programs that do require field experiences.
- (3) A minimum average of "C" (quality point average of 2.00) on *all work taken at the College* and a minimum average of "C" (quality point average of 2.00) in those courses constituting the major subjects or field. By definition, the major subject or field consists of all courses listed as "major requirements" in the major program curriculum plus all additional courses taken in the same discipline as the major except those courses which may be specifically excluded by the major department.
- (4) Demonstrated swimming proficiency. Students may pass the College swimming test or pass a swimming course to fulfill this requirement.
- (5) Removal of any communication condition.
- (6) Attendance as a student for at least one session consisting of two semesters (minimum of 30 credit hours), including the last semester immediately preceding graduation. (One nine or 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 alone.)
- (7) Not more than fourteen hours of credit by correspondence.
- (8) Approval of the individual by the general faculty as a candidate for graduation.
- (9) A formal Application for Graduation. This application for graduation must be filed with the Registrar at least one full year 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.*



## **SPECIAL PROGRAMS**

### **The Arts and Sciences Honors Program**

In the fall semester of 1983 Longwood College initiated an Honors Program in Arts and Sciences. The emphasis in any course designated as "honors" is on teaching students to articulate an understanding of a given field rather than merely to accumulate facts, to relate one field of knowledge to another, and to think independently. While the program may be especially attractive to those students majoring in one of the arts or sciences, it provides outstanding students in all disciplines with educational advantages. Classes are small. They require substantial reading, and will provide students with the opportunity to express their ideas orally and in writing. Five or six honors courses are taught each semester. We expect that the scope and scale of the program should increase as the program matures and as the number of students eligible for the program grows.

Honors work is offered in the traditional arts and sciences taught at the College: Anthropology, Art, Astronomy, Biology, Chemistry, Computer Science, Dramatic Arts, Earth Science, Economics, English, French, Geography, German, Government, History, Mathematics, Music, Philosophy, Physics, Psychology, Sociology, Spanish, and Speech.

Some honors courses are sections of courses required for general education; others are especially created for honors students and may be interdisciplinary in nature. In addition to taking honors courses, students enrolled in the Arts and Sciences Honors Program will be invited to participate in extracurricular activities such as small group discussions with visiting lecturers, museum expeditions, and dinners with faculty.

Admission to the program will be open to any entering freshman with a combined SAT score of 1100, or to any current Longwood student with a grade point average of 3.25. To remain in the Arts and Sciences Honors Program a student must maintain an average of 3.25 in all honors courses and an overall GPA of 3.25, both to be computed at the end of each year. Successful completion of one foreign language course at the 200 level and of eight honors courses, three of which must be at the 300 level or above, will entitle a student to be graduated with Arts and Sciences honors. Any Longwood student who meets the qualifications for admission to the Honors Program but who does not wish to take a full range of honors work may register for one or more classes.

The Director of the program is Dr. John S. Peale, Professor of Philosophy. He chairs the committee which regulates the program, and he works with the faculty who propose the courses. He also helps with the advising of students who take courses in the program.

### **Senior Honors Research 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 Senior Honors Research 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.

### **Senior Honors Research 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 head and the Senior Honors Research 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 Senior Honors Research Committee. After submitting the proposal, students must meet jointly with their departmental head, sponsor, and the Senior Honors Research 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 composed of three members (excluding the sponsor) proposed by the sponsor and approved by the department head and the Senior Honors Research Committee is to be assigned. The members of this committee will be available for consultation.
4. With the consent of his/her advisor 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 Senior Honors Research 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 Senior Honors Research Committee will be present and will report the recommendations of the examining committee to the Senior Honors Research Committee for final approval. The approval of at least two members of the examining committee is necessary for the granting of honors. The Examining Committee should be convened at least three weeks prior to Commencement. The Registrar must be notified no later than two weeks before graduation that a student has completed the necessary work to be awarded honors. Candidates should submit copies to the Examining Committee at least one week prior to the scheduled oral examination.
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.

### 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 who have earned 60 or more hours at Longwood College and whose general averages for all Longwood credits offered for a degree are 3.35 or above are graduated with the following honors:

*Cum Laude*—3.35-3.54

*Magna Cum Laude*—3.55-3.74

*Summa Cum Laude*—3.75-4.00

The College also recognizes graduating seniors who have successfully completed an honors program in a specialized academic area.

### International Studies Program

Longwood offers an International Studies Program for those who wish to devote a part of their education to learning about societies other than their own. This program is not meant to replace the importance of a student's academic major or minor; rather, it aims to give the interested student an opportunity to supplement his or her academic major or minor with a concentration of studies which will enhance an understanding of the larger world in which we must live and work.

Students wishing to participate in the program must sign up in the Registrar's Office. Students who successfully complete the program will earn a Certificate in International Studies



and will have this achievement listed on their college transcript. Verification of successful completion of the program will be made by the Registrar's Office.

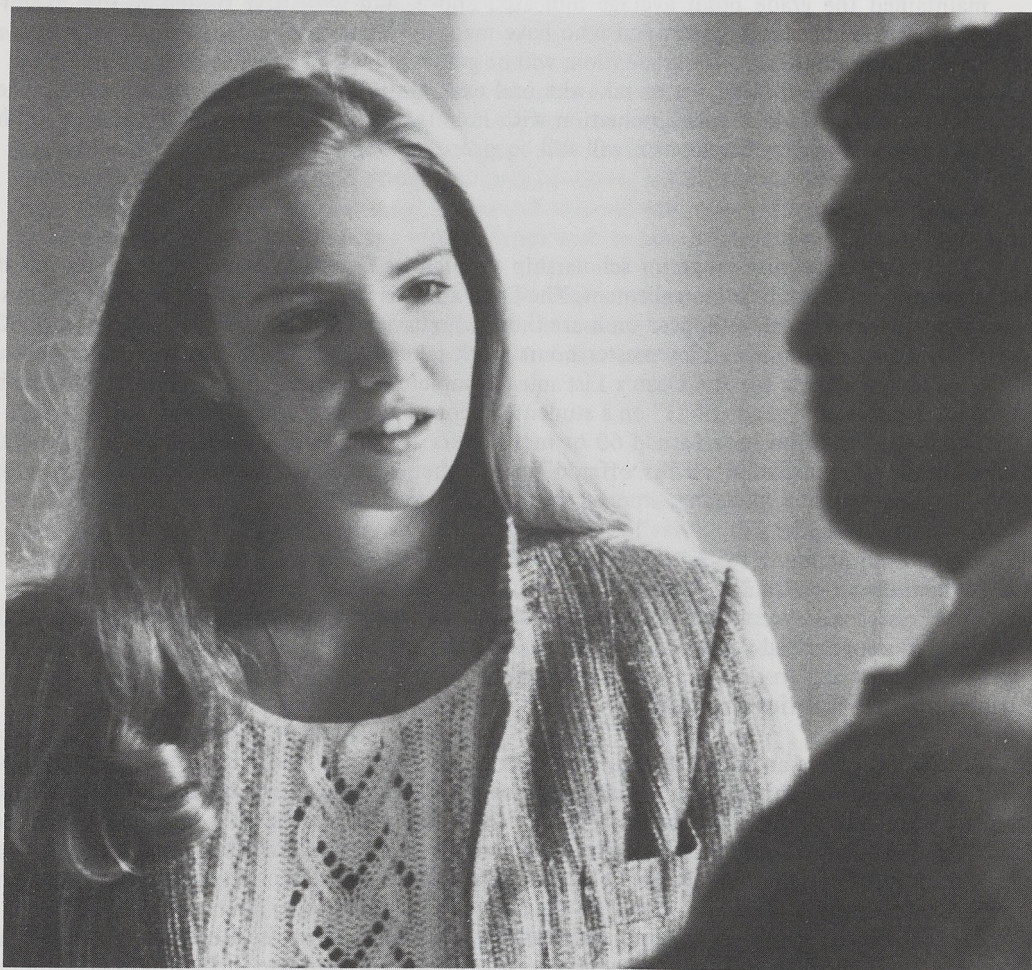
The program requires the student to complete at least 36 credit hours (with no less than a 2.0 grade average) in courses which substantially involve learning about societies other than our own. These credit hours must be earned according to the following distribution:

9 credits	Art, Drama, Literature, Music, Philosophy
6 credits	Anthropology, Geography
6 credits	Government
6 credits	History
9 credits	Foreign Language (at the 200 level or above)

Within these disciplines the courses selected must be chosen from the current International Studies Program listing.

In addition to the above courses, students may also take special seminars in international studies developed by participating disciplines. Students should realize that a good portion of the required hours may be satisfied by careful selection of courses within one's major and the College General Education Requirements.

Students in the program are required to participate in four special events per semester, as is designated by the International Studies Program Committee until completion of 36 credits. Students should also consider taking part in trips abroad organized by the College; of great value would be participation in programs of study under agreements worked out between Longwood and foreign universities.





# Student Goals

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*We think these goals are important. We hope you'll agree.*

## Intellectual Goals

1. **Critical Thinking**, through a background in the liberal arts, so you can generate new ideas, solve problems, and think critically, creatively, and logically as you respond to the complex world around you.
2. **A Sense of History**, so you'll see problems and current issues as part of the total human experience and understand something of what yesterday teaches us about tomorrow.
3. **An Understanding and Appreciation of the Arts** — literature, music, art, dance, and theatre — so you'll have in the words of William James, "an admiration of the really admirable."
4. **An Understanding and Appreciation of the Sciences**, so you'll have knowledge of the world around you and be able to use scientific methods for discovery and decision-making.

## Career Goals

5. **Career Readiness**, including computer literacy, so you'll have the know-how and expertise to be competitive in your chosen field and to move easily into the technological society.
6. **Effective Communication**, so you can write and speak effectively and convey and stimulate ideas.
7. **A Sense of Direction**, if not a meaningful philosophy, so you'll know where you're going and why . . . and have the ability to dream and to be unafraid to try to make those dreams come true.

## Social Goals

8. **Interpersonal Effectiveness**, so you can establish genuine, trusting, and honest relationships with individuals and groups.
9. **Responsible Citizenship**, including social and political skills, so you can understand and influence social values and the political structure, and have the motivation and preparation to contribute to a better life for all.
10. **A World Consciousness**, so you can recognize that the needs of one person and one nation are related to the needs of other persons and nations; and know that international understanding and cooperation are not merely nice — they are absolutely necessary for the survival of a livable planet.

## Personal Goals

11. **Leisure Skills and a Sense of Well-Being**, so you'll value your leisure time and have the desire and capacity to use it to enhance your physical and mental health.
12. **Resource Management**, so you'll make wise use of the money you earn and know how to develop and manage your resources in keeping with your personal values.
13. **Effective Family Relationships**, so you'll be better prepared to make good choices and to relate effectively to your family and contribute to an enriching family life.
14. **And a Sense of Awakening**, so you will understand yourself, free yourself of timidities and preconceptions, and recognize new truth, beauty, or goodness even in familiar things.



# General Education Requirements

A total of 48 semester hours in General Education is required for each degree, except the Bachelor of Arts and the Bachelor of Fine Arts which require 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 Science, 12 semester hours; Natural Sciences, 8 semester hours; Mathematics or Computer Science, 6 semester hours; and Health and Physical Education, 4 semester hours; for the degree of Bachelor of Arts and Bachelor of Fine Arts—Humanities, 21 semester hours; Social Sciences, 12 semester hours; Natural Sciences, 8 semester hours; and Health and Physical Education, 4 semester hours.

## 1. HUMANITIES

### A. *Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music*

English 100, 101/ 6 credits

Art, Music or Dramatic Arts/6 credits

Foreign Languages at the 200 level or above/3 credits

Literature\*/3 credits

Humanities Elective (literature\*, philosophy or religion)/3 credits

TOTAL/21 credits

### B. *All Other Degrees*

English 100, 101/6 credits

Art, Music or Dramatic Arts/6 credits

Literature\*/3 credits

Humanities Elective (literature\*, philosophy, religion, music, art, dramatic arts, foreign language or psychology\*\*)/3 credits

TOTAL/18 credits

\*Foreign language literature may be used to satisfy any portion of the humanities requirement for which literature is an option. In the case of the B.A. or B.F.A., foreign language literature, if offered, must be above and beyond the required foreign language course.

\*\*Humanities elective may not include Psychology 240 or 250.

## 2. SOCIAL SCIENCE

American History 121 or 122/3 credits

At least two of the following: Anthropology, Economics, Geography, Government, History, Sociology/9 credits

TOTAL/12 credits

## 3. NATURAL SCIENCE

\*Biological Science (biology, botany, zoology)/4 credits

\*Physical Science (astronomy, chemistry, geology, physical science, physics)/4 credits

TOTAL/8 credits

\*Or two courses, at least one of which must be at the 200 level, in either biological science or physical science.

## 4. MATHEMATICS

Mathematics or Computer Science/6 credits

## 5. HEALTH & PHYSICAL EDUCATION

Health Education 100/1 credit

Physical Education Activity Courses/3 credits

TOTAL/4 credits

B.A., B.F.A., B.M.

TOTAL GENERAL EDUCATION/51 credits

All Other Degrees

TOTAL GENERAL EDUCATION/48 credits



# Teacher Education Requirements

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## Program Objectives

The teacher education program has been designed to provide each prospective teacher with (1) a broad general education in the liberal arts; (2) a strong academic background of subject specialization for anticipated teaching assignments; and (3) sufficient professional education with emphasis on the understandings, skills and attitudes essential to effective guidance of children and youth. Specific objectives for the program are established in terms of broad statements of teacher competencies. These objectives hold that the prospective teacher:

1. should demonstrate a thorough knowledge of subject matter content in a teaching field or grade level.
2. should demonstrate ability to employ a variety of teaching methods and techniques for specific teaching strategies.
3. should demonstrate knowledge of instructional materials and resources and the necessary skills for their effective selection and utilization in the classroom.
4. should demonstrate ability to develop satisfactory human relations in working with students, parents and colleagues in the multicultural community.
5. should demonstrate ability to diagnose and provide for individual differences in the classroom.
6. should demonstrate ability to evaluate effectively the learning activities of students.
7. should begin the development of personal philosophy of education in relating planning and practice to a consistent theory of education.

## Scope

Teacher preparation programs leading to state certification are provided in the following areas:

### **Elementary Education**

N, K-4 (Early Education)

4-8 (Middle Education)

### **Secondary Education**

Art

Business Education

English, Drama, Journalism, Speech

Foreign Languages

Health & Physical Education

Home Economics\*

Library Science

Mathematics

Music Education

Natural & Physical Sciences

Reading

Social Sciences

*\*To be closed; will admit no new students.*

## Admission to Teacher Education

Admission to the College does not constitute final admission to the program of teacher education. Final admission is normally given during the fifth semester of the student's program. The "Application for Acceptance in Teacher Education" form should be filed with the Director of Teacher Education prior to October 15 of the junior year. The following criteria is employed in the admission process:

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 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*.



4. The student shall have demonstrated effective command of communicative skills.
5. The departmental head of the major field shall recommend that the student be allowed to pursue a teacher education curriculum.
6. The student may, at the discretion of the committee, be required to submit evidence or pass such tests regarding academic proficiency as may be deemed necessary.

## Appeal

A student denied admission to the teacher education program may submit an appeal to an appeal board consisting of the Vice President for Academic Affairs, Director of Student Teaching, the Head of the Education Department and the departmental head of the student's major.

## National Teacher Examination and Certification

All prospective teachers seeking initial certification in Virginia are required to take and submit scores on the National Teacher Examination (NTE). Applicants must present test scores on the Core Battery tests and at least on subject Special Area test. NTE scores must be reported to Longwood College and the Virginia Department of Education. These scores must be on file with the Head of the Department of Education at the College before a recommendation for certification can be transmitted to the state.

Longwood College does not recommend a student for certification as a teacher if the grade in student teaching is below "C".

## Teacher Education Requirements for Secondary Majors

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

Psychology 250/3 credits  
Education 455/3 credits  
Education 480, 482, 484, 486, 488/8 credits  
Education 402, 403, 404 or 405/10 credits  
TOTAL/24 credits





# Academic Disciplines and Departments

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## Anthropology

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See Department of Sociology and Anthropology

### ANTHROPOLOGY MAJOR, B.S. DEGREE

#### *General Education Requirements*

English 100, 101/6 credits  
Art, Music or Theatre/6 credits  
Literature/3 credits  
Humanities Elective\*/3 credits  
History 121 or 122/3 credits  
Sociology 101, 332/6 credits  
Social Science (not Sociology)/3 credits  
Biological Science/4 credits  
Physical Science\*\*/4 credits  
Mathematics/Computer Science/6 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/3 credits  
TOTAL/48 credits

\*Philosophy 355 or 365 recommended.

\*\*Earth Science 210 recommended

#### *Major Requirements*

Anthropology 101/3 credits  
Anthropology 102/3 credits  
Anthropology 103/3 credits  
Anthropology 104/3 credits  
Anthropology 202/3 credits  
Anthropology 210/3 credits  
Anthropology 211/3 credits  
Anthropology 310/3 credits  
Anthropology 320/3 credits  
Anthropology 321/3 credits  
Anthropology 383/1 credit  
Anthropology 443/3 credits  
Anthropology 460/3 credits  
Philosophy 200/3 credits  
TOTAL/40 credits

NOTE: Requirements for the anthropology major, B.A. Degree, are the same as for the B.S. Degree, except that 3 credits in foreign language at the 200-level or above are required and the humanities elective must be chosen from literature, philosophy or religion.

### MINOR IN ANTHROPOLOGY

#### *General Education Requirements*

See appropriate listing of requirements for the department in which the major is taken.

#### *Minor Requirements\**

Anthropology 101/3 credits  
Anthropology 102/3 credits  
Anthropology 202/3 credits  
Anthropology 310/3 credits  
Anthropology Electives/6 credits

\*A student minoring in anthropology will not be allowed to count Anthropology 321 and Anthropology 443 toward a minor or major in sociology.



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## ANTHROPOLOGY (01)

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*Anthropology 101. INTRODUCTION TO ANTHROPOLOGY.* The origins, evolution, and present biological and cultural diversity of the human species using data from the fossil record, archeological artifacts, the structure of languages, and behavior and world-view of people living in other cultures. 3 credits.

*Anthropology 102. ARCHEOLOGY AND PHYSICAL ANTHROPOLOGY.* The origins of the human species focusing on human evolution, prehistoric artifacts, primate characteristics, archeological evidence of the diffusion of human populations, and the origins and spread of domesticated plants and animals. 3 credits.

*Anthropology 103. HUMAN LIFE IN THE PREHISTORIC WORLD.* The ideas, attitudes, values, and patterns of behavior which, it appears, would have been "normal" in the prehistoric world. Consideration will be given to kinship groups, shelters, settlements, food acquisition and preparation, myths, legends, tales and supernatural belief systems. 3 credits.

*Anthropology 103H. HUMAN LIFE IN THE PREHISTORIC WORLD.* An examination of the behavior and values likely to have been central to human groups in prehistoric times. The seminar approach will be employed with continual student dialog based on readings. Collections of stone tools and pottery sherds will be analyzed in class. 3 credits.

*Anthropology 104. LANGUAGE AND CULTURE.* The analysis of language with stress on the dependence of language upon its sociological context. A survey of linguistic variability, social dialectology, language change, and ethnolinguistic analysis. 3 credits.

*Anthropology 202. CULTURAL PATTERNS IN PRE-INDUSTRIAL SOCIETIES.* A cross-cultural analysis and comparison of selected societies applying the principles of cultural anthropology. 3 credits.

*Anthropology 210. PEOPLES OF AFRICA.* An analysis of the human cultures of prehistoric and contemporary Africa. Archeological and linguistic data will be used to trace the biological and cultural relationships among contemporary African societies. 3 credits.

*Anthropology 211. INDIANS OF NORTH AMERICA.* Descriptions, comparisons, and analysis of past and present Indian cultures. Possible origins of the various North American Indian tribes will also be discussed and will be supported by the use of archeological and linguistic data. 3 credits.

*Anthropology 310. RESEARCH METHODS IN CULTURAL ANTHROPOLOGY.* The methods employed by anthropologists in their gathering and analysis of material on the behavior of people living in other cultures. Methods surveyed include participant observation, analysis of speech patterns, collection of genealogies, mapping, collection of oral histories, semantic analysis and the eliciting of symbol systems. 3 credits.

*Anthropology 320. FOLKLORE.* The oral techniques used in nonliterate cultures to pass traditions from generation to generation. The forms and functions of folktales, proverbs, chants, curses, folk-songs, riddles and games in non-Western culture. 3 credits.

*Anthropology 321 (Sociology 321). SUPERNATURAL BELIEF SYSTEMS.* An investigation of the social aspects of religion, its forms of organization, and its relationships to other institutions. 3 credits.

*Anthropology 383. OCCUPATIONAL AND CAREER ANTHROPOLOGY.* An overview of job and career opportunities in anthropology. Course topics include applying for jobs, planning for graduate study, development of a resume. Offered fall semester of each year for graduating seniors. 1 credit.

*Anthropology 443 (Sociology 443). THE COMMUNITY.* Review of theories of community and analysis of representative community studies. Limited to juniors and seniors except by permission of instructor. 3 credits.



*Anthropology 460. ANTHROPOLOGICAL THEORY.* The history of theory and models in anthropology. An overview of the intellectual "schools" which have affected research in the past and a survey of present models in anthropological thinking. 3 credits.

*Anthropology 490. DIRECTED STUDY IN ANTHROPOLOGY.* Recommended when the student desires to pursue a specialized topic in-depth. Must have permission of departmental head and the instructor directing the course. 3 credits each semester; no more than 6 credits may be earned in Anthropology 490.

*Anthropology 495. FIELD METHODS IN ARCHEOLOGY.* The skills necessary to excavate a prehistoric Indian site and to recognize and recover archeological artifacts. The field school is held at a prehistoric Indian

site. The site work consists of learning the techniques of excavation, mapping, soil analysis, the recovery, washing and analysis of prehistoric stone tools, and the interpretation of stratigraphy. 6 credits; offered during summer session.

*Anthropology 595. THE ORGANIZATION AND EXECUTION OF ARCHEOLOGICAL FIELDWORK.* Advanced students with experience in basic field methods in archeology learn the skills necessary to organize and supervise the execution of archeological excavations. Students will serve as assistants to the Director of an ongoing excavation and will aid in the design of the field strategy, intra-site sampling techniques, site mapping, and artifact and feature plotting and recording. 6 credits; offered during summer session; may be repeated for academic credit.









# Department of Art

Randall Edmonson, *Acting Head*

Ann Bradshaw, *Secretary*

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, graphic design (commercial art), and the fine 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, home economics, and therapeutic recreation majors, as well as students pursuing study in the field of communications. The curriculum includes all of the major visual arts and art history.

While a foundation in art techniques, theory, and art history is essential, creative expression and development of concepts, values, and critical judgement 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 humanities and aesthetic judgement, the development of personal expression, and the relationship of the content of art in the nature of learning and human development essential for a liberal arts 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 in two galleries, and offers opportunities for members of the community to take courses in studio art, art education, and art history. The department also supports and encourages aesthetic and cultural opportunities such as those offered by the departments of Music and Dramatic Arts, as well as programs sponsored by the area chapter of the Virginia Museum.

The department also offers tailored programs of study for students who wish to minor in studio art or art history. Students interested in a minor in general art or art history should contact the department head for advising.

Every attempt has been made to state the major and minor requirements of the department as clearly as possible. However, it is strongly recommended that every student majoring or minoring in the department maintain close communication with the academic adviser assigned by the department in order to plan his program in a fashion best suited to the student's individual goals and needs. The faculty of the department stands ready to assist any student in this regard as well as individual career goals and expectations.

Freshman, sophomore, and transfer art majors in art education, studio art and art history 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 each year and is required for graduation.

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 studio work if they so desire. Students concentrating in art history must present a public lecture in their senior year. The junior exhibit or senior art history lecture is required for graduation.

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.



## Faculty

Mark S. Baldridge, *Associate Professor*  
Eduard H. Betenas, *Assistant Professor*  
Barbara L. Bishop, *Professor*  
Randall W. Edmonson, *Assistant Professor*

Elisabeth L. Flynn, *Associate Professor*  
Tamara Mischenko, *Assistant Professor*  
Homer L. Springer, *Associate Professor*

## Course Requirements

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

### B.A. or B.S. DEGREE Leading to Teacher Certification

#### *General Education Requirements*

Art, Music or Theatre/6 credits  
English 100, 101/6 credits  
Foreign Language at the 200-level/  
3 credits (B.A. Degree)  
Literature/3 credits  
Humanities/3 credits (B.S. Degree)  
Literature, \*Philosophy, or Religion/  
3 credits (B.A. Degree)  
History 121 or 122/3 credits  
Social Science/9 credits  
Biological Science/4 credits  
Physical Science/4 credits  
Mathematics or Computer Science/  
6 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/  
3 credits  
TOTAL/51 credits for B.A. Degree  
TOTAL/48 credits for B.S. Degree

(\*Philosophy 350 recommended)

#### *Major Requirements*

Art 130, 131/6 credits  
Art 155/3 credits  
Art 213/3 credits  
Art 216 or 217/3 credits  
Art 250/3 credits  
Art 261, 262, 263/9 credits  
Art 270 or 271/3 credits  
Art 313 or 110/3 credits  
Art 381, 382 or 383/3 credits  
Art 441/4 credits  
Art 442/4 credits  
TOTAL/44 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

#### ELECTIVES

B.A. Degree/9 credits  
B.S. Degree/12 credits



## B.F.A. DEGREE, ART HISTORY CONCENTRATION

### *General Education Requirements*

Art, Music or Theatre/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  
Biological Science/4 credits  
Physical Science/4 credits  
Mathematics or Computer Science/  
6 credits  
Health Education/1 credit  
Physical Education Activity Courses/  
3 credits  
TOTAL/51 credits

(\*Philosophy 350 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, 263/9 credits  
Art 361, 362, 363, 364, 366, 367, 368,  
or 369/15 credits  
Art 461/3 credits  
TOTAL/27 credits
- (c) Electives in ART STUDIO or  
ART HISTORY/9 credits  
TOTAL ART REQUIREMENTS and  
ELECTIVES/48 credits

## B.F.A. DEGREE, STUDIO CONCENTRATION

### *General Education Requirements*

Art, Music or Theatre/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  
Biological Science/4 credits  
Physical Science/4 credits  
Mathematics or Computer Science/  
6 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/  
3 credits  
TOTAL/51 credits

(\*Philosophy 350 recommended)

### *Major Requirements*

- (a) FOUNDATIONS  
Art 120/3 credits  
Art 130, 131/6 credits  
Art 223/3 credits  
Art 261, 262, 263/9 credits  
Art 361, 362, 363, 364, 366, 367, 368,  
or 369/3 credits  
TOTAL/24 credits
- (b) FIELD OF CONCENTRATION\*\*/  
24 credits (except Graphic Design,  
36 credits)
- (c) Electives in ART STUDIO or ART  
HISTORY/18 credits (except Graphic  
Design, 6 credits)  
TOTAL REQUIREMENTS & ELECTIVES  
in ART/66 credits

General Electives/9 credits



## FIELD OF CONCENTRATION

### Crafts

Art 155/3 credits  
 Art 213/3 credits  
 Art 214/3 credits  
 Art 216 or 217/3 credits  
 Art 224/3 credits  
 Art 313/3 credits  
 Choose 6 credits from the following:

Art 311/3 credits  
 Art 314/1 credit  
 Art 316/1 credit  
 Art 317/1 credit  
 Art 318/1 credit  
 Art 320/1 credit  
 Art 324/1 credit  
 Art 351/3 credits  
 Art 381/3 credits  
 TOTAL/24 credits

### Drawing & Printmaking

Art 221/3 credits  
 Art 230/3 credits  
 Art 250/3 credits  
 Art 251/3 credits  
 Art 270/3 credits  
 Art 330/3 credits  
 Art 351/3 credits  
 Art 355/3 credits  
 TOTAL/24 credits

### Painting

Art 155/3 credits  
 Art 250/3 credits  
 Art 270/3 credits  
 Art 271/3 credits  
 Art 311/3 credits  
 Art 330/3 credits  
 Art 351/3 credits  
 Art 371/3 credits  
 TOTAL/24 credits

### Graphic Design

Art 155/3 credits  
 Art 221/3 credits  
 Art 222/3 credits  
 Art 225/3 credits  
 Art 226/3 credits  
 Art 230/3 credits  
 Art 251/3 credits  
 Art 270/3 credits  
 Art 326/3 credits  
 Art 330/3 credits  
 Art 351/3 credits  
 Art 355/3 credits  
 TOTAL/36 credits

### Sculpture

Art 381/3 credits  
 Art 382/3 credits  
 Art 383/3 credits  
 Art 480/3 credits  
 Choose 12 credits from the following:  
 Art 213/3 credits  
 Art 214/3 credits  
 Art 224/3 credits  
 Art 250/3 credits  
 Art 251/3 credits  
 Art 313/3 credits  
 TOTAL/24 credits

## MINORS

### Minor in Art History

(a) Art 160/3 credits OR  
 Art 461/3 credits  
 (b) Art 261, 262, or 263/9 credits  
 (c) Art History courses at 300-level/  
 6 credits  
 TOTAL/18 credits

### Minor in General Art

(a) Art 120/3 credits  
 (b) Art 130/3 credits  
 (c) Art 223/3 credits OR  
 Art 224/3 credits  
 (d) Art 250, 251, 270 OR 271/3 credits  
 (e) Art 155 or 355/3 credits  
 (f) Art 110, 213, 216, 217, 311 OR  
 313/3 credits  
 (g) Art 160, 261, 262, 263, OR any  
 300-level Art History course/3 credits  
 TOTAL/21 credits



## ART (02)

*NOTE: The department does not guarantee that all courses listed will be offered every year.*

**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.

**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.

**Art 130. DRAWING I.** Fundamentals of drawing, composition, and illustration in various media and techniques. 4 periods a week; 3 credits. Fall only.

**Art 131. LIFE DRAWING.** Development of concepts, skills, and drawing techniques utilizing the human figure. 4 periods a week; 3 credits. Spring only.

**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 their own adjustable 35 mm cameras. 4 periods a week; 3 credits.

**Art 160. INTRODUCTION TO THE VISUAL ARTS.** A study and analysis of the visual arts emphasizing the relationship of painting and sculpture to society. Major artists and periods of western art from pre-historic to contemporary are covered. 3 periods a week; 3 credits.

**Art 211. ART FOR SPECIAL POPULATIONS.** A concentrated study of theory, techniques, and materials suitable for use in therapeutic recreation settings. Recommended for Therapeutic Recreation majors. 4 periods a week; 3 credits.

**Art 213. CERAMICS.** Forming, decorating,

glazing and firing pottery. 4 periods a week; 3 credits.

**Art 214. CERAMICS II.** Opportunities for deeper involvement with, and exploration of, wheel throwing techniques, hand building processes, as well as glazing and firing of creative ceramic work. Prerequisite: Art 213. 4 periods a week; 3 credits. Spring only.

**Art 216. FIBERS: WEAVING.** Study and use of natural, man-made and synthetic fibers in the design and use of on- and off-the-loom weaving processes. Exploration of a variety of basic techniques including carding and spinning of wool, dyeing of fibers, construction and dressing of looms, and the knotting, braiding and twisting of fibers. 4 periods a week; 3 credits. Fall only, odd years.

**Art 217. FABRICS: SURFACE DESIGN.** Exploration and investigation of traditional and contemporary fabric surface design techniques, including tie-dye, batik, block printing, stencil and stitchery. 4 periods a week; 3 credits. Spring only, odd years.

**Art 218. DESIGN IN STAINED GLASS.** Construction of functional and non-functional objects with emphasis on original design and basic forming techniques utilizing stained glass. 4 periods a week; 3 credits.

**Art 221. GRAPHIC DESIGN I.** Introduction to the elements of graphic design explored through the advertising media of newspapers, magazines, outdoor display systems, and direct mail literature. Emphasis is on format and the dynamics of composition and layout of visual images and typography in page and display advertising. Prerequisite: Art 120. 4 periods a week; 3 credits.

**Art 222. GRAPHIC DESIGN II.** Introduction to typography and the mechanics of reproduction art required for printed materials. Emphasis is on the development of ideas, concepts, graphic impact and creativity. Prerequisite: Art 221. 4 periods a week; 3 credits.

**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 as they relate to architecture, sculpture and industrial design. 4 periods a week; 3 credits. Spring only.

*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.

*Art 225. GRAPHIC ART PRODUCTION I.* Introduction to the technical production of printing visual matter. Emphasis is placed on development of dexterity in mechanical layout and reproduction processes through theoretical problem solving. The tools and materials of the graphic design trade are used and explored. Prerequisite: Art 221. 4 periods a week; 3 credits.

*Art 226. GRAPHIC ART PRODUCTION II.* A hands-on problem solving approach to the production of printer matter, from idea to finished product, designed to provide the serious student with practical experience in graphic art design and production. Prerequisites: Art 222 and 225. 4 periods a week; 3 credits.

*Art 230. EXPERIMENTAL MEDIA IN DRAWING.* Exploration of novel and exciting color media suitable for contemporary drawings. Prerequisite: Art 130 and 131 or permission of instructor. 4 periods a week; 3 credits. Spring only, even years.

*Art 250. PRINTMAKING I.* Exploration of traditional and contemporary printmaking techniques, processes and materials, such as stencil, planographic, relief, and intaglio methods. 4 periods a week; 3 credits. Fall only.

*Art 251. PRINTMAKING II.* Exploration of printmaking as a medium of original expression with emphasis on relief and intaglio processes. 4 periods a week; 3 credits. Spring only.

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

*Art 261H. HISTORY OF PREHISTORIC,*

*ANCIENT AND MEDIEVAL ART IN THE WESTERN WORLD.* 4 periods a week; 4 credits. Fall only.

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

*Art 262H. HISTORY OF ART 1300-1750 A.D.* Content includes Late Gothic-International Style; Flemish and Northern 15th Century; the Quattrocento; High Renaissance; Mannerism; German 16th Century; Baroque-Italy, Germany and France; Rococo. 4 periods a week; 4 credits. Spring only.

*Art 263. HISTORY OF WESTERN ART—THE MODERN WORLD.* A study of the major trends, developments, artists and philosophy of the modern world—1850 to 1980's. 3 periods a week; 3 credits. Odd years.

*Art 270. PAINTING: ACRYLIC AND WATER-BASED MEDIA.* Fundamentals of painting involved in subject matter, composition, and materials through the use of acrylics and water-based media. Investigation into backgrounds of contemporary painting. Emphasis on individual growth. Open to beginners. 4 periods a week; 3 credits. Fall only.

*Art 271. PAINTING: OIL MEDIA.* Fundamentals of painting involved in subject matter, composition, and materials through the use of oil based media. Investigation into backgrounds of contemporary painting. Open to beginners. 4 periods a week; 3 credits. Spring only.

*Art 301-302. SURVEY OF WESTERN ART IN EUROPE.* A 5-week study tour of London, Amsterdam, Paris, Venice, Florence, and Rome designed to provide an in-depth awareness of the great works of art which stand as visual expressions of the intellectual and spiritual aspirations and achievements of man. 9 hours daily, 6 credits; offered every 3 years during summer session. Scheduled for 1987.

*Art 310. EXPLORATORY CERAMICS.* Introduction to basic handbuilding techniques



in clay such as pinch, slab and coil methods, as well as clay preparation, glazing and firing methods. 4 periods a week for 5 weeks; 1 credit. Occasionally.

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

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

*Art 314. JEWELRY AND OTHER FORMS OF BODY ADORNMENT.* A variety of materials and techniques used to form shapes that enhance the human form. 4 periods a week for 5 weeks; 1 credit. Occasionally.

*Art 316. SPINNING AND WEAVING.* Basic spinning and weaving techniques carrying fibers from their natural state to finished decorative or functional pieces. 4 periods a week for 5 weeks; 1 credit. Occasionally.

*Art 317. BATIK AND RESIST TECHNIQUES.* Traditional and contemporary resist techniques used to decorate fabrics with emphasis on design. 4 periods a week for 5 weeks; 1 credit. Occasionally.

*Art 318. RESIST DYEING WITH NATURAL AND COMMERCIAL DYES.* Tie-dyeing and other resist techniques as a means of decorating fabrics using both natural and commercial materials and dyes. 4 periods a week for 5 weeks; 1 credit. Occasionally.

*Art 320. MAN USES WHAT IS AVAILABLE.* An exploratory two- and three-dimensional approach to the use of every day materials to express creative ideas. 4 periods a week for 5 weeks; 1 credit. Occasionally.

*Art 321. PUPPET MAGIC.* Exploring human feelings through masks and puppets made in a variety of techniques and materials. 4 periods a week for 5 weeks; 1 credit. Occasionally.

*Art 322. LETTERING.* Aesthetics and techniques of creative and functional hand letter-

ing using a variety of media. 4 periods a week for 5 weeks; 1 credit. Fall only.

*Art 323. CREATIVE PAPIER MACHE.* The creation of three-dimensional decorative and functional objects using strip and/or pulp techniques of papier mache. 4 periods a week for 5 weeks; 1 credit. Occasionally.

*Art 324. PAPERMAKING.* Molding, dyeing, cutting, tearing, embossing, sewing, creasing and folding of hand-made paper with emphasis on texture, depth and color in two- and three-dimensional paper forms. 4 periods a week for 5 weeks; 1 credit. Occasionally.

*Art 325. ADVANCED DESIGN IN WOOD.* Advanced construction of functional objects with emphasis on original design and advanced woodworking techniques. Prerequisite: Art 224. 4 periods a week; 3 credits.

*Art 326. TYPOGRAPHY.* Communication problem solving through the visual media of language. The fundamentals of typography and type design are explored in experimental and practical projects. Prerequisite: Art 222. 4 periods a week; 3 credits.

*Art 330. ILLUSTRATION.* The history and techniques of illustration as an art form. Prerequisite: Art 130 and 131 or permission of instructor. 4 periods a week; 3 credits. Spring only, odd years.

*Art 341. ART EDUCATION IN THE ELEMENTARY CLASSROOM, K-4.* Lectures, readings and media explorations to introduce students to the importance of art in the integrated program of today's elementary school. Emphasis will be placed on quality programs for grades K-4 using drawing, painting, and three-dimensional design, as well as experience in sequential planning and organization. (For Elementary Education majors only.) 4 periods a week; 3 credits.

*Art 342. ART EDUCATION IN THE ELEMENTARY CLASSROOM, 4-8.* Lectures, readings and media exploration to introduce students to the importance of art in the upper elementary grades. Special emphasis will be placed on media experiences and development as well as practical planning and organization of a quality art program. (For



Elementary Education majors only.) 4 periods a week; 3 credits.

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

**Art 352. PRINTMAKING WITHOUT A PRESS.** Methods of producing relief, stencil and transfer prints without the use of a press. Various materials will be explored to produce multiple copies or even unique pieces. 4 periods a week for 5 weeks; 1 credit. Occasionally.

**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, 155, and permission of instructor. 4 periods a week; 3 credits; spring only.

**Art 358. PINHOLE PHOTOGRAPHY.** Art expression and the mysteries of light combined to form images with photographic and pinhole camera techniques. 4 periods a week for 5 weeks; 1 credit. Occasionally.

**Art 359. CREATING VISUALS WITHOUT A CAMERA.** Individual creation of slide shows and filmstrips that correlate with activities for elementary school age children. 4 periods a week for 5 weeks; 1 credit. Occasionally.

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

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

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

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

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

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

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

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

**Art 370. EXPLORATORY PAINTING.** Exploration of various waterbased painting media with emphasis on unique materials, composition and a variety of techniques. 4 periods a week for 5 weeks; 1 credit. Occasionally.

**Art 371. ADVANCED PAINTING.** Advanced painting with emphasis on the exploration of individual style using oils, acrylics, watercolor, and mixed media. Prerequisite: Art 270 and 271 or permission of instructor. 4 periods a week; 3 credits. Even years.

**Art 381. SCULPTURE I: FIGURATIVE.** Study of figurative sculpture principles as seen through historical perspective. 4 periods a week; 3 credits. Fall only.

**Art 382. SCULPTURE II: EXPERIMENTAL MEDIA.** An exploration of extensive range of techniques and materials in both classical and modern traditions in sculpture. Prerequisite: Art 381. 4 periods a week; 3 credits. Spring only.



*Art 383. SCULPTURE III: CARVING.* A study of the fundamental aspects of carving in wood and stone. Prerequisite: Art 381 and 382. 4 periods a week; 3 credits. Odd years.

*Art 401. SPECIALIZED TOPICS IN THE VISUAL ARTS.* Offered on demand. 1 period a week; 1 credit. Occasionally.

*Art 402. SPECIALIZED TOPICS IN THE VISUAL ARTS.* Offered on demand. 2 periods a week; 2 credits. Occasionally.

*Art 403. SPECIALIZED TOPICS IN THE VISUAL ARTS.* Offered on demand. 4 periods a week; 3 credits. Occasionally.

*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. Occasionally.

*Art 412. CERAMICS STUDIO.* Independent problems in ceramics. (May be continued as Art 410 with permission of instructor.) Prerequisite: Art 214 and permission of instructor. 4 periods a week; 3 credits.

*Art 413. JEWELRY II.* Continued exploration of various metals and techniques with strong emphasis on design. (May be continued as Art 419 with permission of instructor.) Prerequisite: Art 313 and permission of instructor. 4 periods a week; 3 credits.

*Art 414. METALSMITHING.* Independent exploration of functional and decorative objects using various metals and forming techniques with strong emphasis on design. Prerequisite: Art 313 and permission of instructor. 4 periods a week; 3 credits.

*Art 415. WEAVING AND TEXTILE STUDIO.* Independent concentration in choice of techniques available in weaving and textiles. Prerequisite: Art 216 and permission of instructor. 4 periods a week; 3 credits. Occasionally.

*Art 416. ADVANCED CASTING.* Continued exploration of the casting process with strong emphasis on design and experi-

mentation. Prerequisite: Art 313. 4 periods a week; 3 credits.

*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. Occasionally.

*Art 418. METAL ELECTROFORMING.* Exploration of functional and decorative application of electroforming in lieu of, or in combination with, additional metal forming techniques. Strong emphasis will be given to design. Prerequisite: Art 313 or permission of instructor. 4 periods a week; 3 credits. Occasionally.

*Art 430. DRAWING STUDIO.* Open to students who have completed Art 130 and 131. The student will select an area of concentration and problems of specialization in media and technique. Permission of instructor required for enrollment. Hours to be arranged. (May be continued as 431, 432, 433, with permission of instructor.) 3 credits. Occasionally.

*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 school. Supervised experience working with secondary school age students in a creative setting. 5 periods a week; 4 credits.

*Art 442. THE TEACHING OF ART IN THE ELEMENTARY SCHOOLS.* A concentrated study of theory, methods, and materials necessary for the formulation of a meaningful, creative art program in the elementary schools. Supervised experience working with elementary age children in a creative setting. 5 periods a week; 4 credits.

*Art 443. PROBLEMS IN ART EDUCATION.* The student will select an area of art education for concentrated study through readings, research, experimentation and/or internship. Permission of instructor required for enrollment. Hours to be arranged. 3 credits. Occasionally.

*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.

*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.

*Art 461. STUDIES IN ART HISTORY.* Independent study. Prerequisite: 9 credits of History of Western Art or equivalent and permission of instructor. Hours to be arranged; 3 credits.

*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.

*Art 480. SCULPTURE STUDIO.* Open to students who have completed Art 381 and 382. The student will select media and technique, and set up individual problems. Permission of instructor required for enrollment. (May be repeated as 481, 482, etc.) Hours to be arranged; 3 credits.





# Biology

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## See Department of Natural Sciences

David A Breil, *Director*

The biology major at Longwood provides fundamental training in many areas of the biological sciences so that graduates may pursue graduate study or careers in research, industry, teaching, medicine, dentistry, or allied health fields. To provide a broad background in the biology program, each student must take general botany, general zoology, biological seminar and a course from each of the areas of morphology, physiology, ecology, and genetics. A minimum of 34 credit hours in biology is required for all majors. Within the biology program, a student may pursue training in a specific area of the biological sciences. A student may choose more than one major with the appropriate selection of courses. Also, a student who is in another major may obtain a biology minor. The minor program requires 8 semester hours at the introductory level and 12 semester hours at the advanced level (200 level courses or higher) for a total of 20 semester hours. Superior students are encouraged to enroll in Special Projects in Biology or in a program of honors study.

A student seeking teaching endorsement in biology shall have 128 credit hours of courses. This program consists of all courses required of a biology major including botany and zoology, and inorganic and organic chemistry, physics, mathematics, Education 455, Psychology 250 and the professional semester consisting of 18 hours including student teaching during the senior year. If an additional endorsement in chemistry, earth and space science or physics is desired, the student must take a minimum of 18 credit hours in that discipline and meet all core requirements in the discipline.

## BIOLOGY MAJOR, B. S. DEGREE

### *General Education Requirements*

Art, Music or Theatre 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 102/4 credits  
Physics 101/4 credits  
Mathematics 161, 162, or 164/  
6 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/  
3 credits  
TOTAL/48 credits

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200-level and choose the humanities elective from Literature, Philosophy or Religion.

### *Major Requirements*

Chemistry 101, 102 or 205/8 credits  
Biology 103/4 credits  
Biology 324/4 credits  
Biology Electives\*/22 credits  
TOTAL/38 credits

\*Must include a course in Biology 201, 202 or 204, Biology 300, 302, or 307, Biology 305, 306, or 309, and Biology 490.

### *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

See also last paragraph above.



## BIOLOGY MAJOR, B. S. DEGREE Environmental Science Emphasis

### General Education Requirements

Art, Music or Theatre 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 102/4 credits  
Physics 101/4 credits  
Mathematics 161, 162, or 164/6 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/3 credits  
TOTAL/48 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

### Major Requirements

Biology 103/4 credits  
Biology 201, 202, or 204/4 credits  
Biology 300/4 credits  
Biology 301/3 credits  
Biology 302/4 credits OR 307/6 credits  
Biology 305, 306, or 309/4 credits  
Biology 324/4 credits  
Biology 490/1 credit  
Mathematics 113/3 credits  
Chemistry 101, 102 or 205/8 credits  
TOTAL/39 credits  
*plus 8 hours from*  
Biology 204/4 credits  
Biology 307/6 credits  
Biology 308/2 credits  
Biology 316/4 credits  
Biology 371, 372, 373/2-4 credits  
Geography 251/3 credits  
Geography 355/3 credits  
Chemistry 372/2-4 credits  
Physics 102/4 credits  
TOTAL/47 credits

Students seeking the B.A. Degree must take 3 semester hours of one foreign language at the 200 level and choose the humanities elective from Literature, Philosophy or Religion.

## BIOLOGY MINOR

Students who are interested in pursuing a biology minor should contact the director of the biology program. The minor must include:

8 semester hours at the 100 level  
12 semester hours at the 200 level or above  
TOTAL/20 hours

### BIOLOGY (07)

**Biology 101. BIOLOGICAL CONCEPTS.** An inquiry into the nature and common features of life. 3 single and 1 double periods a week; 4 credits.

**Biology 102. GENERAL BOTANY.** The biology, life cycles, economics and ecology or representatives of the plant kingdom. 3 single and 1 double periods a week; 4 credits.

**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.

**Biology 103H. HONORS ZOOLOGY.** A study of the animal kingdom that integrates structural and functional aspects of organisms with their ability to survive in their particular environment. 3 single and 1 double periods a week; 4 credits.

**Biology 201. PLANT MORPHOLOGY.** The comparative development and structure of tissues and organs in representative vascular



plant groups. Prerequisite: Biology 102. 3 single and 1 three-hour periods a week; 4 credits.

**Biology 202. ANIMAL MORPHOLOGY.** The comparative development and structure of tissues, organs, and organ systems in representative chordate groups. Prerequisite: Biology 103. 2 single and 2 double periods a week; 4 credits.

**Biology 204. PLANT TAXONOMY.** Collection, identification, and classification of plants. Prerequisite: Biology 102. 2 single and 2 double periods a week; 4 credits.

**Biology 206-207. HUMAN ANATOMY AND PHYSIOLOGY.** Basic physiological principles and functional anatomy of the digestive, circulatory, respiratory systems (Biology 206) and the integumentary, skeletal, muscular, nervous endocrine and urogenital systems (Biology 207). Biology 206 is recommended as prerequisite for Biology 207. 3 single and 1 double periods a week; 4 credits each semester; both semesters required for credit.

**Biology 300 (Earth Science 300). GENERAL ECOLOGY.** The interrelationships of organisms with their environment. 3 single and 1 double periods a week; 4 credits.

**Biology 301 (Earth Science 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. Not open to freshmen. 3 periods a week; 3 credits.

**Biology 302. PLANT ECOLOGY.** Relationships of plants to their environments. 3 single and 1 three-hour periods a week; 4 credits.

**Biology 304. MODERN GENETICS.** Modern concepts of the nature and function of genetic material. 3 single and 1 double periods a week; 4 credits.

**Biology 305. PLANT PHYSIOLOGY.** Principles of cellular and tissue functions in plants. Prerequisite: Chemistry 101, 102 and

Biology 102. 3 single and 1 double periods a week; 4 credits.

**Biology 306. VERTEBRATE PHYSIOLOGY.** Functions of animal organs and organ systems. Prerequisite: Chemistry 101, 102 and Biology 103. 3 single and 1 three-hour laboratory periods a week; 4 credits.

**Biology 307 (or 507). FIELD BOTANY.** A summer field course for biology majors, teachers and naturalists. Daily field trips are made to local biological communities to observe, identify, and analyze the common trees, ferns, mosses, wildflowers and animals and their interactions. One or more extended field trips are made to the coast or mountains to observe complementary biological communities. Biology majors may substitute this course for Biology 302 or biology electives. 5 periods a week; 6 credits.

**Biology 308. FIELD BIOLOGY.** Collection, identification, and life histories of local flora and fauna. 1 single and 1 double periods a week; 2 credits.

**Biology 309. MICROBIOLOGY.** A study of the structure, physiology and activities of micro-organisms as related to their role in nature, disease, immunological interactions, industrial processes and human affairs. Basic concepts of, and fundamental techniques for, isolation, growth, identification, and immunological reactions will be stressed. 3 single and 2 double periods a week; 4 credits.

**Biology 310. EVOLUTION.** A study of the basic processes of organic evolution. 3 single periods a week; 3 credits.

**Biology 316 (Earth Science 316). BIOLOGICAL OCEANOGRAPHY.** An introduction to the taxonomy, habitats, adaptations, and unique biological processes of marine flora and fauna. Prerequisite: one semester of a biological science. Not open to students who have taken Biology 311 or Science 311. 4 credits.

**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).



*Biology 323. GENETICS AND MAN.* A study of the mechanisms of heredity and their applications, implications, and limitations to man as a rational social being. Not open to biology majors. 3 single and 1 double periods a week; 4 credits.

*Biology 324. GENETICS.* A study of the mechanism of heredity. 3 single and 1 double periods a week; 4 credits.

*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.

*Acarology.* Classification, biology, medical and economic significance of mites and ticks. Limited to four students. 2 double periods a week; 2 credits.

*Aquatic Ecology.* 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 and 8 hours of chemistry. 2 single and 2 laboratory periods a week; 4 credits.

*Biology of Fishes.* An introduction to the study of fishes, emphasizing their morphology, physiology, taxonomy, and environmental responses. Prerequisite: Biology 103. 2 single and 1 double periods a week; 3 credits.

*Biology of Mosses.* The morphology and taxonomy of mosses and liverworts with emphasis on field work. 1 single and 2 double periods a week; 3 credits.

*Cytology and Cytogenetics.* Structural and functional aspects of cellular maintenance and heredity. 3 single and 1 double periods a week; 4 credits.

*Entomology.* A study of insects: morphology, physiology, or taxonomy of the class or of a particular order. 3 single and 1 double periods a week; 4 credits.

*Herpetology.* The study of reptiles and amphibians, with emphasis on the systematics, distribution, ecology and evolution of the group. Permission of instructor required. 2 double and 2 single periods a week; 4 credits.

*Horticulture.* A survey of basic principles and practices for the propagation and

care of plants. Open to all students; no prerequisites. 3 periods a week; 3 credits.

*Ornithology.* Morphology and identification of birds common to Virginia. 2 credits.

*Plant Geography.* A study of the origins, migrations, and distribution of the flowering plants. 3 single periods a week; 3 credits.

*Pteridology.* A study of ferns, horsetails, spikemosses and quillworts with emphasis on field work. 2 single and 1 three-hour periods a week; 3 credits.

*Speleology.* The physical and biological study of caves and their related features. The laboratory involves field trips to cavernous regions of Virginia and West Virginia. Prerequisite: Physical Geology and permission of instructor. 2 single and 1 double periods a week; 3 credits.

*Biology 395. MEDICAL SCIENCE SEMINAR.* Selected topics in health-related areas. Open to all pre-professionals including freshmen. 1 period a week; 1 credit.

*Biology 401. CONCEPTS AND METHODS IN SECONDARY SCHOOL.* Studies to acquaint students with materials and methods in high school biology courses. 3 single periods a week; 3 credits.

*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 head is prerequisite for enrollment in this course. May be repeated as 463 and 464. 2, 3, or 4 credits.

*Biology 490. BIOLOGICAL SEMINAR.* Selected topics in biology. May be repeated as 491, 492, etc. 1 period a week; 1 credit.



# Department of Business and Economics

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Wilfred Jacques, *Head*

Peggy Epperson, *Secretary*

The Department of Business and Economics offers courses leading to the Bachelor of Science in Business Administration. The primary objective of the department is to prepare students for imaginative and responsible citizenship and leadership roles in business and society.

For those students entering the teaching profession, the department offers a Bachelor of Science in Business Education degree with specific teaching endorsements in Stenography and General Office Procedures. The department also offers a Bachelor of Science degree with a major in Office Administration.

Students are permitted to declare a major in Business Administration after having met the following requirements: after three semesters as full-time students at Longwood with an overall 2.0 grade point average and "C" or better in Business 190 (Introduction to American Business Systems), Economics 211 (Macro Economics), and Business 240 (Principles of Accounting). Transfer students from other institutions must have an overall 2.0 grade point average and 2.0 average in all business courses with credit in Business 190, Economics 211, and Business 240.

Every attempt has been made to state the major and minor requirements of the department as clearly as possible. However, it is strongly recommended that every student majoring or minoring in the department maintain close communication with the academic advisor assigned by the department in order to plan a program in a fashion best suited to the student's individual goals and needs. The faculty of the department stands ready to assist any student in this regard as well as individual career goals and expectations.

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

## Faculty

N. Burton Brooks, Jr., *Instructor*  
James M. Caleb, *Assistant Professor*  
John E. Carr III, *Professor*  
Owen F. Fields, *Assistant Professor*  
Frances N. Hamlett, *Assistant Professor*  
C. Kristine Harbour, *Instructor*  
Wilfred Jacques, *Associate Professor*

Dennis H. Klayton, *Instructor*  
Donald G. McCort, *Assistant Professor*  
Wayne E. McWee, *Assistant Professor*  
Lawrence C. Minks, *Associate Professor*  
Harry J. Schneider, *Instructor*  
Kuldeep S. Turna, *Assistant Professor*

## B. S. DEGREE IN BUSINESS ADMINISTRATION

### GENERAL EDUCATION

Longwood College has established a general education curriculum which is a mandatory part of every student's total academic program. Every business major must complete the following general education requirements.

Art, Music, or Theatre/6 credits  
English 100, 101/6 credits  
Literature/3 credits  
History 121 or 122/3 credits  
Economics 211, 212/6 credits  
Social Science Elective/3 credits  
Humanities/3 credits

Mathematics 271/3 credits  
Computer Science 156/3 credits  
Biological Science/4 credits  
Physical Science/4 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/  
3 credits



## CORE CURRICULUM

All Business Administration majors are required to complete the courses listed in the Lower Core Curriculum and the Upper Core Curriculum.

### Lower Core Curriculum

Business 190/3 credits  
Business 240/3 credits  
Business 241/3 credits  
Economics 211/3 credits  
Economics 212/3 credits  
Business 290/3 credits  
Business 291/3 credits  
Mathematics 271/3 credits

### Upper Core Curriculum

Economics 312/3 credits  
Business 343 (Accounting Majors 342)/3 credits  
Business 350/3 credits  
Business 360/3 credits  
Business 361/3 credits  
Business 362/3 credits  
Business 370/3 credits  
Business 380/3 credits  
Business 390/3 credits  
Business 499/3 credits

## CONCENTRATIONS

In addition to completing the Upper and Lower Core Curriculums, each candidate for the B.S. in Business Administration degree shall satisfy the additional specific requirements of one of the following concentrations:

### Accounting\*

Business 340/3 credits  
Business 341/3 credits  
Business 344/3 credits  
Business 345/3 credits  
Business 440/3 credits  
Business 441/3 credits  
Business 442/3 credits

\*Students completing the accounting major will be eligible to sit for the Virginia Certified Public Accountant examination.

### Economics

Economics 310/3 credits  
Economics 311/3 credits  
Economics 313/3 credits  
Economics 410/3 credits  
Suggested Electives (select 2)  
Economics 316/3 credits  
Economics 414/3 credits  
Business 451/3 credits  
Business 452/3 credits

### Finance

Economics 311/3 credits  
Business 450/3 credits  
Business 451/3 credits  
Business 452/3 credits  
Suggested Electives (select 2)  
Business 344/3 credits  
Business 351/3 credits

### Management Information Systems

Business 170/3 credits  
Business 270/3 credits  
Business 271/3 credits  
Business 371/3 credits  
Business 470/3 credits  
Business 471/3 credits

### Marketing

Business 382/3 credits  
Business 480/3 credits  
Business 481/3 credits  
Business 482/3 credits  
Suggested Electives (select 2)  
Business 383/3 credits  
Business 384/3 credits  
Business 385/3 credits

### Management

Business 363/3 credits  
Business 364/3 credits  
Business 460/3 credits  
Business 461/3 credits  
Suggested Electives (select 2)  
Business 450/3 credits  
Business 462/3 credits  
Business 463/3 credits  
Business 482/3 credits

Business 453/3 credits  
Business 462/3 credits  
Economics 313/3 credits



## MINORS

The Department of Business and Economics also offers a minor in Business Administration and a minor in Economics. Students selecting one of these minors must complete the following requirements.

### *Business Administration*

Business 240/3 credits  
Business 241/3 credits  
Economics 211/3 credits  
Economics 212/3 credits  
Business 350/3 credits  
Business 360/3 credits  
Business 380/3 credits

### *Economics*

Economics 211/3 credits  
Economics 212/3 credits  
Economics 311/3 credits  
Economics 312/3 credits  
Electives/9 credits

## B. S. DEGREE IN BUSINESS EDUCATION

All Business Education majors must complete the Business Education Core courses as well as the courses in one of the two endorsements: Stenography or General Office Procedures. In addition, all Business Education majors must complete specified education courses.

### *Business Education Core*

Business 190/3 credits  
Business 240/3 credits  
Business 241/3 credits  
Economics 211/3 credits  
Economics 212/3 credits  
Business 290/3 credits  
Business 291/3 credits  
Business 350/3 credits  
Business 360/3 credits  
Business 380/3 credits

### *Education Course Requirements*

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

### *Stenography Endorsement*

Business 120\*\*, 220, 320/6 credits\*  
Business 121, 221, 321/9 credits\*  
Business 222/3 credits  
Business 420/3 credits  
Business 421/3 credits  
Business 422/3 credits

### *General Office Procedures Endorsement*

Business 120\*\*, 220, 320/6 credits\*  
Business 222/3 credits  
Business 343/3 credits  
Business 420/3 credits  
Business 421/3 credits  
Business 422/3 credits  
Business 423/3 credits  
Accounting Elective/3 credits

\*Three hours of the typewriting requirements and 6 hours of the shorthand requirements may be omitted on the basis of proficiency. Business electives may be substituted for those courses omitted.

\*\*If a beginner's course in typewriting is needed, it may be taken without credit.



## BACHELOR OF SCIENCE DEGREE

### Office Administration Major

The Bachelor of Science degree with an Office Administration major is available for students desiring an office administration career.

#### *Office Administration Core*

Business 190/3 credits  
Business 240/3 credits  
Business 241/3 credits  
Economics 211/3 credits  
Economics 212/3 credits  
Business 290/3 credits  
Business 291/3 credits  
Business 350/3 credits  
Business 360/3 credits  
Business 380/3 credits

#### *Office Administration Concentration*

Business 120, 220, 320/9 credits\*  
Business 121, 221, 321/9 credits\*  
Business 222/3 credits  
Business 363/3 credits  
Business 422/3 credits  
Business 423/3 credits  
Business 370/3 credits

\*Six hours of typing and shorthand requirements may be omitted on the basis of proficiency. Business electives or general electives may be substituted for those courses omitted.

### **BUSINESS (10)**

*Business 120. 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. May not be taken by persons who have received credit for as much as two semesters of prior instruction in typewriting at any level, except with permission of instructor. 3 credits.

*Business 121. ELEMENTARY SHORTHAND.* Mastery of Gregg Shorthand principles; reading and writing practice necessary for skill development in taking dictation. May not be taken for credit by persons who have received credit for as much as two semesters of prior instruction in shorthand at any level, except with permission of instructor. 3 credits.

*Business 170. BASIC LANGUAGE.* An introduction to programming using BASIC language. Emphasis will be placed on the following areas: reading, printing, loops, lists, tables, functions, subroutines, and strings. 3 credits.

*Business 190. INTRODUCTION TO THE AMERICAN BUSINESS SYSTEM.* An introductory course in the operations of the

American Business System and its place in the economy. The course provides the basic understanding of the business world, philosophy, objectives and general responsibilities to the environment, government, and society. 3 credits.

*Business 220. INTERMEDIATE TYPEWRITING.* Development of proficiency in producing a wide variety of typewriting problems with acceptable speed and accuracy. May not be taken for credit by persons who have received credit for as much as four semesters of prior instruction in typewriting at any level, except with permission of instructor. Prerequisite: "C" or better in Business 120 or equivalent. 3 credits.

*Business 221. INTERMEDIATE SHORTHAND.* A complete review of shorthand theory, development of dictation speed on unfamiliar copy, and introduction to mailable transcripts. May not be taken for credit by persons who have received credit for as much as four semesters of prior instruction except with permission of instructor. Prerequisite: "C" or better in Business 121 or equivalent. 3 credits.

*Business 222. BUSINESS MACHINES.* The course provides training on equipment commonly used in business offices: calculators, duplicators, transcribers. A unit on filing



principles is also a part of the course. 3 credits.

*Business 240, 241. PRINCIPLES OF 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. Prerequisite: "C" or better in Business 240 for 241. 3 credits.

*Business 250. 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. 3 credits.

*Business 270. BEGINNING COBOL.* An introduction to programming in a business oriented language (COBOL) with emphasis on commercial applications and elementary concepts of file processing. Prerequisite: Business 170. 3 credits.

*Business 271. ADVANCED COBOL.* 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: Business 270. 3 credits.

*Business 272. BEGINNING FORTRAN.* An introductory course in the techniques of programming in FORTRAN. The student will develop and analyze programs for business applications. Prerequisite: Business 170. 3 credits.

*Business 290. LEGAL ENVIRONMENT.* A survey of the legal environment in which business decisions are made. Emphasis is on law of contracts, commercial paper, bankruptcy, sales law, partnerships and corporations, and anti-trust law. 3 credits.

*Business 291. BUSINESS COMMUNICATIONS.* Principles, practices, and mechanics of effective business letters and memoranda; basic principles and procedures of originating and disseminating reports; and principles and techniques of writing both short and long reports will be emphasized. 3 credits.

*Business 320. ADVANCED TYPEWRITING.* Development of maximum proficiency on production problems and office-style copy. Most advanced course. Prerequisite: "C" or better in Business 220 or equivalent. 3 credits.

*Business 321. 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 221 or equivalent. Students should have completed or be enrolled in Business 320. 3 credits.

*Business 340, 341. INTERMEDIATE ACCOUNTING.* Survey of basic accounting principles; working capital, non-current items and corporate capital. Concept of profit and loss measurement and analytical processes of statement preparation. Prerequisite: "C" or better in Business 240 and 241; Business 340 for 341. 3 credits.

*Business 342. COST ACCOUNTING.* The study of basic cost accounting systems and concepts. Consideration of inventory costing, cost variance analysis, budgeting, and managerial decision making based on economic considerations. Prerequisite: "C" or better in Business 240 and 241. 3 credits.

*Business 343. MANAGERIAL ACCOUNTING.* Accounting concepts and techniques for managerial planning and control. Attention is given to budgeting capital outlay decisions, evaluation of performance, and current and long-range planning. Prerequisite: Business 240 and 241. 3 credits.

*Business 344. TAX ACCOUNTING I.* A comprehensive study of income tax problems relating to individuals. These topics, among others, will be studied: income, exclusions, gain or loss on sales, exchange and involuntary conversions, deductions, exemptions and credits. Prerequisite: "C" or better in Business 240 and 241. 3 credits.

*Business 345. TAX ACCOUNTING II.* A comprehensive study of income tax problems relating to partnerships, corporations, specially taxed corporations, estates and trusts. Prerequisite: "C" or better in Business 344. 3 credits.



*Business 350. PRINCIPLES OF FINANCE.* An introduction to the principles and practices of financial management within a business firm. Examines acquisition of funds, cash flow, financial analysis, capital budgeting, working capital requirements, and capital structure. Prerequisite: Business 240 and 241. 3 credits.

*Business 351. RISK MANAGEMENT.* An introduction to the fundamentals of risk management. The student will gain a general understanding of the varied applications of the principles of insurance to situations involving risk. 3 credits.

*Business 360. 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 credits.

*Business 361. OPERATIONS MANAGEMENT.* A study of the principles and practices related to production and service operations management, including product and service decision, process planning, plant location, facilities layout, scheduling, and associated analytical techniques. Prerequisite: Business 360. 3 credits.

*Business 362. ORGANIZATIONAL BEHAVIOR.* A study of the structure and processes of organizations and the dynamics of behavior within organizations. Included are such topics as motivation, group behavior, managing conflict, leadership, communication, decision-making, career processes, and organizational change and development. Prerequisite: Business 360. 3 credits.

*Business 363. HUMAN RESOURCE MANAGEMENT.* Principles and problems 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 credits.

*Business 364. INDUSTRIAL RELATIONS.* 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 credits.

*Business 365. 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 recordkeeping. Attention is given to franchises. Case studies to illustrate decision-making in small business management are used. Prerequisite: Business 240 and 360. 3 credits.

*Business 370. MANAGEMENT INFORMATION SYSTEMS.* A general overview of information systems. Topics include planning, designing and implementing of an MIS system. Emphasis will be on application of the systems. 3 credits.

*Business 371. INTRODUCTION TO SYSTEMS ANALYSIS.* Development of a Data Processing System from the analysis of present information flow, system specifications and equipment selection to implementation. Course emphasis will be on applications of the development of systems. Prerequisite: Business 370. 3 credits.

*Business 380. 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 credits.

*Business 382. PERSONAL SELLING/SALES MANAGEMENT.* A study is made of the fundamental principles of selling, the economic problems connected with personal selling; an analysis of the product and the market; the interview; and building good will. An analysis of the management function of administering an operating sales force. 3 credits.

*Business 383. RETAILING.* A perspective of retailing; customers, facilities, and personnel; merchandise management; pricing; promotion; financial management; and special topics. Prerequisite: Business 380. 3 credits.



*Business 384. INTERNATIONAL MARKETING.* A survey of the aspects involved in marketing products and services in the international market. Environment of multinational marketing; identifying global opportunities; multinational marketing planning; and formulating the multinational marketing program. Prerequisite: Business 380. 3 credits.

*Business 385. CONSUMER BEHAVIOR.* Individual and group behavior of people performing in the role of consumer. Information developed by behavioral science is employed to discuss and explain consumer behavior; integrating this data into current marketing practices. Prerequisite: Business 380. 3 credits.

*Business 390. BUSINESS AND SOCIETY.* Study of the interrelationships of government and society and their impact on business. Emphasis will be placed on ethical application, social responsibility and government regulation of the business environment. 3 credits.

*Business 420. TEACHING SECRETARIAL SUBJECTS.* Stresses the principles of psychology and philosophy that underlie instruction in business skills; develops competencies in teaching typewriting, shorthand, transcription, and clerical practice including block programming and model office. Surveys resource materials, and emphasis is given to demonstration lessons, lesson planning, and analyzing instructional procedures. Required of all business education majors. 3 credits.

*Business 421. TEACHING ACCOUNTING AND BASIC BUSINESS SUBJECTS.* Includes an introduction to business education. Methods of teaching accounting, general business, consumer economics, business law, and other basic business subjects. Stresses the development and use of instructional media and resource materials. Special emphasis is given to demonstration lessons, lesson planning, and analyzing instructional procedures. Required of all business education majors. 3 credits.

*Business 422. OFFICE PROCEDURES.* Designed to coordinate the various secretarial skills into a high-level office proficiency; special emphasis on the coordination of

these skills with the human relations aspect of office procedures. Prerequisite: Business 320 and junior or senior standing, or permission of instructor. 3 credits.

*Business 423. 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. Prerequisite: Business 320. 3 credits.

*Business 440. ADVANCED ACCOUNTING.* Accounting interpretation of selected problems in the organization, affiliation, consolidation, and liquidation of business firms; attention to preparation of consolidated balance sheet and income and surplus statements. Prerequisite: Business 340 and 341. 3 credits.

*Business 441. ACCOUNTING THEORY.* A study of current issues in accounting, including generally accepted accounting principles, APB opinions and FASB statements. Prerequisite: Business 340 and 341. 3 credits.

*Business 442. AUDITING.* Examines auditing standards, procedures, internal control, programs and reports to clients, ethics and legal liabilities. Prerequisite: Business 340 and 341. 3 credits.

*Business 450. FINANCIAL MANAGEMENT.* This course is designed to provide an understanding of the considerations, analyses and decisions pertinent to the financial management of a business firm. The course will make extensive use of cases.

*Business 451. INVESTMENTS.* 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. 3 credits.

*Business 452. FINANCIAL INSTITUTIONS.* A detailed study of the operations and management 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 211 and 212. 3 credits.



*Business 453. MARKETING BANK SERVICES.*

*Business 460. SUPERVISORY MANAGEMENT.* Application and interpretation of the principles of supervision of the work force within the organization. Included are such topics as leadership style and motivation, human relations with individuals and groups, discipline, safety and health, work measurement, and error rates. 3 credits.

*Business 461. ORGANIZATIONAL THEORY.* The study of organization design and theory. Typologies; goals; effectiveness and efficiency; bureaucracy and other models; delegation and departmentation; matrix and project organization; organization site; technology, complexity; organization formalization; vertical and horizontal differentiation; boundary spanning; and organization-environment relations. Prerequisite: Business 362. 3 credits.

*Business 462 (Economics 462). OPERATIONS RESEARCH.* Purpose and philosophy of the business research approach. Systems concepts including problem formulation, data sources, model building, and quantitative simulation of decision-making processes. 3 credits.

*Business 463. MANAGEMENT PLANNING AND CONTROL.* Applications of management planning and control techniques to organizational problems and management decision-making tasks. Includes basic systems theory and concepts, basic control theory and concepts, design processes, program and project management, and special-purpose planning and control systems. 3 credits.

*Business 464. MANAGERIAL DECISION MAKING.* Theory of decision making, rationality, individuals as decision makers, quantitative and qualitative techniques and case studies. 3 credits.

*Business 469. MANAGERIAL SIMULATION.*

*Business 470. SYSTEMS ANALYSIS AND DESIGN.* Study of data organization and physical storage devices, data base systems architecture, and design of a data base system. Prerequisite: Business 371 and 271. 3 credits.

*Business 471. DATA BASE MANAGEMENT.* Introduction to theory of data structure, implementation of data base models, and applications using a conventional data base system. Prerequisite: Business 470 and 271. 3 credits.

*Business 480. 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. Prerequisite: Business 380. 3 credits.

*Business 481. MARKETING RESEARCH.* An introduction to market research as reflected in such specific areas as advertising, product, sales, promotion, and consumer research; student projects in planning and programming market research topic(s). Prerequisite: Business 380 and Mathematics 271. 3 credits.

*Business 482. MARKETING MANAGEMENT.* An analysis of policy making and operating decisions of the marketing manager and the tools available to aid in solving marketing problems. Prerequisites: all marketing concentration courses and senior standing. 3 credits.

*Business 499. BUSINESS POLICY.* A course for the senior student designed to integrate the various functional areas of business in terms of policy level decision making. The comprehensive case study method is used. Prerequisites: all business administration core courses and senior standing. 3 credits.

*Business 520. BUSINESS EDUCATION SEMINAR.* Offered on demand; 3 credits.



# Chemistry

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## See Department of Natural Sciences

Maurice H. Maxwell, Jr., *Director*

The chemistry major at Longwood College will provide the graduate the necessary background to pursue graduate studies or a career in industry, government, medicine, and other health-related areas. Any chemistry major who has a "B" average or better and has completed two semesters of physical chemistry, calculus, and differential equations will be accepted into the University of Virginia Graduate Department of Chemical Engineering under a cooperative agreement. The requirements for the chemistry major are 32 credit hours. Each student must complete general chemistry (8 hours), organic chemistry (8 hours), analytical chemistry (4 hours), and physical chemistry (4 hours), plus chemistry electives (8 hours). Special courses are available in chemistry to help students meet specific career objectives. Chemistry majors are encouraged to enroll in Special Projects in Chemistry. Superior students are encouraged to undertake a chemistry Honor Project.

Students majoring in other areas may elect to minor in chemistry. The chemistry minor requires 24 semester hours: general chemistry (8 hours), organic chemistry (8 hours), analytical chemistry (4 hours), and physical chemistry (4 hours).

Those students interested in obtaining an endorsement for chemistry in Virginia must meet the requirements of the minor (24 credit hours in chemistry) plus one course in each of the following: physics, calculus, biology, Psychology 250, Education 455 and the professional semester including student teaching. If an additional endorsement in biology, earth and space science, or physics is desired, the student must take a minimum of 18 credit hours in that discipline and meet all core requirements in the discipline.

## CHEMISTRY MAJOR, B. S. DEGREE

### *General Education Requirements*

Art, Music or Theatre/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 101/4 credits  
Chemistry 201 or 202/4 credits  
Mathematics 161, 162, 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 102/4 credits  
Chemistry Electives\*/20 credits  
TOTAL/32 credits

\*Must include courses in the area of organic and physical chemistry.

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200-level and choose the humanities elective from literature, philosophy or religion.

*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  
(See also last paragraph above.)



## CHEMISTRY MAJOR, B.S. DEGREE

### Professional Degree

#### *General Education Requirements*

Art, Music or Theatre/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 101/4 credits  
Chemistry 201 or 202/4 credits  
Mathematics 161, 162, 261,  
or 262/6 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/  
3 credits  
TOTAL/48 credits

See the section *General Education Requirements*, in this catalog, for specific restrictions.

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200-level and choose the humanities elective from literature, philosophy, or religion.

#### *Major Requirements*

Physics 101, 102/8 credits  
Mathematics 261, 262/8 credits  
Chemistry 102/4 credits  
Chemistry 202/4 credits  
Chemistry 205, 206/8 credits  
Chemistry 371/3 credits  
Chemistry 400, 401/8 credits  
Chemistry 462/3 credits  
Chemistry Electives\*/3 credits  
TOTAL/51 credits

\*Electives may come from the following courses: Advanced Organic, Toxicology, Radiochemistry, Biochemistry, or a chemistry honors project.

*Courses from the following list are considered desirable electives:*

Mathematics 205, 271, 361, 460  
Physics 321, 322, 341  
Biology 304

## CHEMISTRY MINOR

Students interested in pursuing a chemistry minor should contact the director of the chemistry program. The minor must include:

8 semester hours general chemistry  
8 semester hours organic chemistry  
4 semester hours analytical chemistry  
4 semester hours physical chemistry  
TOTAL/24 hours

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### CHEMISTRY (12)

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*Chemistry 101. GENERAL CHEMISTRY I.*  
A study of the basic concepts of chemistry.  
3 single and 1 double periods a week; 4 credits.

*Chemistry 102. GENERAL CHEMISTRY II.* Continuation of Chemistry 101. A study of the laws and principles of chemistry and qualitative analysis. 3 single and 1 double periods a week; 4 credits.

*Chemistry 201. ANALYTICAL CHEMIS-*

*TRY.* The theory and practice of quantitative analysis by gravimetric and volumetric methods. 2 single and 1 four-hour periods a week; 4 credits.

*Chemistry 202. INSTRUMENTAL ANALYSIS.* The theory and practice of instrumental techniques in analytical chemistry. Prerequisite: Chemistry 201. 2 single and 1 four-hour periods a week; 4 credits.

*Chemistry 205. ORGANIC CHEMISTRY I.* Fundamental principles and reactions of organic chemistry. 3 single and 1 three-hour periods a week; 4 credits.



*Chemistry 206. ORGANIC CHEMISTRY II.* A continuation of Chemistry 205. 3 single and 1 three-hour periods a week; 4 credits.

*Chemistry 301. INTRODUCTORY PHYSICAL CHEMISTRY.* Fundamental principles and problems associated with the properties, structure and interaction of matter. Introduction to thermodynamics, kinetics, equilibrium, electrochemistry, solid state structure, and quantum mechanics. Prerequisites: Chemistry 101 and 102 and Mathematics 161, 162, or equivalent. 3 single and 1 double periods a week; 4 credits.

*Chemistry 312 (Biology 312). BIOCHEMISTRY.* A study of the chemistry of proteins, carbohydrates, liquids, and nucleic acids in biological systems. Prerequisite: Chemistry 205 or permission of instructor. 3 single periods a week; 3 credits, with 3-hour lab, 4 credits.

*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, etc.

*Advanced Organic Chemistry.* An advanced study of organic reactions and mechanisms. Prerequisite: Chemistry 205. 3 periods a week; 3 credits.

*Environmental Chemistry.* A study of the fundamental problems of chemical pollution of the soil, water, and atmosphere. Prerequisite: Chemistry 205 or permission of instructor. 3 periods a week; 3 credits.

*Inorganic Chemistry.* The structures, properties, reactions and uses of inorganic compounds. Prerequisite: Chemistry 102 and permission of instructor. 3 periods a week; 3 credits.

*Laboratory Safety.* A study of laboratory safety equipment; storage and dispensing equipment, hazards from chemical reactions, toxins, carcinogens, corrosives, and radiation. 2 periods a week; 2 credits.

*Polymer Chemistry.* A study of chemical reactions used to synthesize polymers, the effects of synthetic modifications on polymer properties, techniques to

characterize polymers, and natural polymers. 3 periods a week; 3 credits.

*Textile Chemistry.* A study of fundamental problems and processes of natural and synthetic fibers and fabrics. Prerequisite: Chemistry 205 and permission of instructor. 3 periods a week; 3 credits.

*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: Chemistry 205 and 206 or permission of instructor. 3 single (and 1 double periods a week); 3 (4) credits.

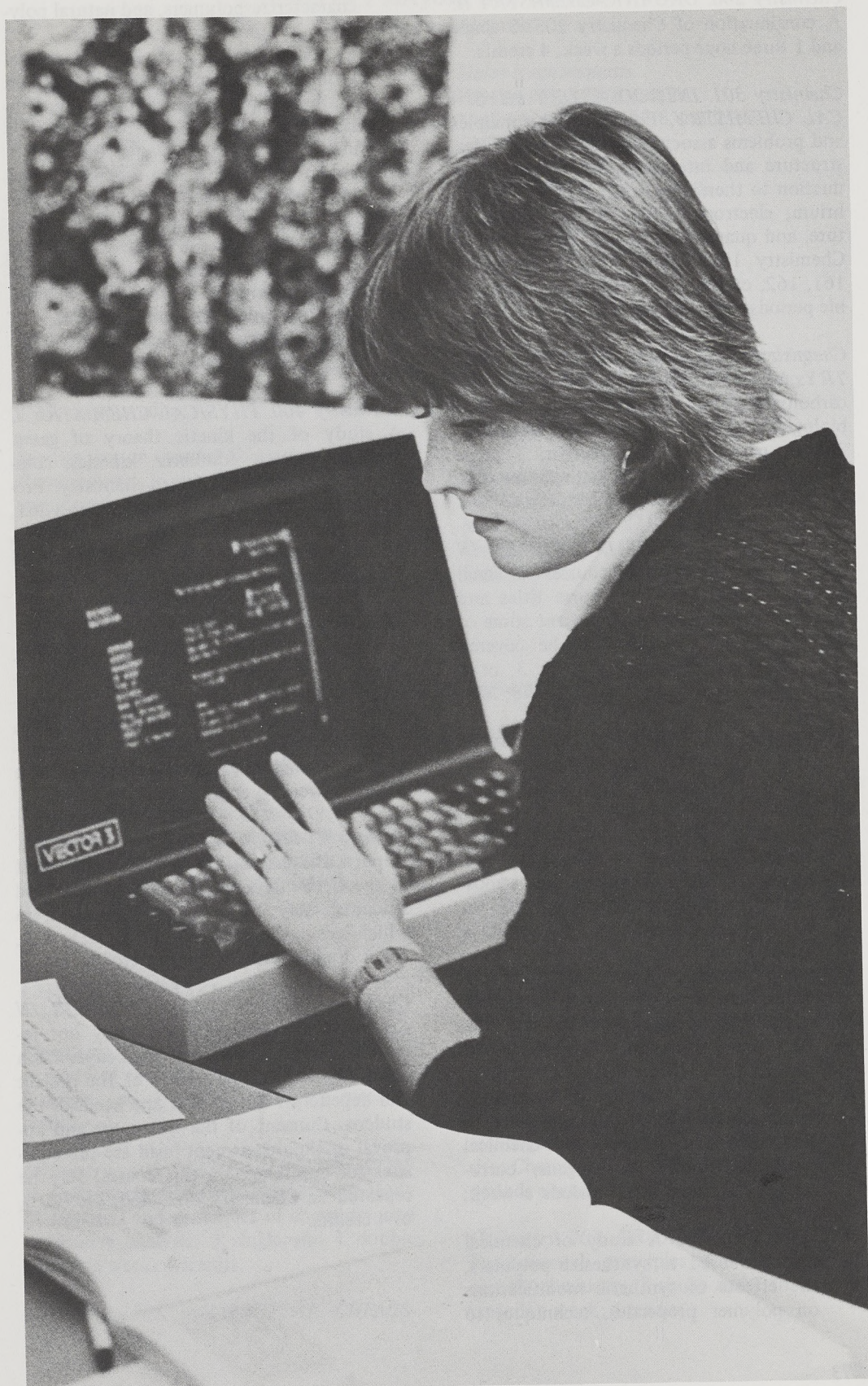
*Chemistry 400. PHYSICAL CHEMISTRY I.* A study of the kinetic theory of gases, thermodynamics, equilibria, kinetics, solution properties, and electro-chemistry. Prerequisites: Chemistry 201; Mathematics 261, 262 (calculus); Physics 101, 102 or 201, 202; or permission of instructor. 3 single and 1 double periods a week; 4 credits.

*Chemistry 401. PHYSICAL CHEMISTRY II.* A study of elementary quantum mechanics, atomic and molecular structure, spectroscopy, and statistical mechanics. Prerequisites: Chemistry 201; Mathematics 261, 262; Physics 101, 102 or 201, 202; or permission of instructor. 3 single and 1 double periods a week; 4 credits.

*Chemistry 420. CHEMISTRY SEMINAR.* Reports and discussions of topics of interest in the field of chemistry. Open to qualified students. May be repeated for credit, in which event the number will be 421, 422, etc. 1 double period a week; 1 credit.

*Chemistry 461. 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 head are prerequisites for enrollment in this course. May be repeated as Chemistry 462, 463, etc. 2, 3, or 4 credits.







# Computer Science

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See Department of Mathematics and Computer Science

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## COMPUTER SCIENCE (14)

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*Computer Science 101. INTRODUCTION TO BASIC.* Introduction to programming in BASIC and utilization of microcomputers. Topics include system commands, BASIC statements and functions, I/O operations, subscripted variables, character strings and elementary manipulation of data files. (Students currently enrolled in or having successfully completed Mathematics 111 or any computer science course may not receive credit for this course.) 1 period a week; or 2 periods a week for 7-week term; 1 credit.

*Computer Science 156. INTRODUCTION TO COMPUTER BASED SYSTEMS.* An overview of computer information systems. This survey course introduces computer hardware, software, procedures, systems, and human resources and explores their integration and application in business and in other segments of society. The fundamentals of computer problem solving and programming in a high level programming language are discussed and applied. 3 periods a week; 3 credits. No prerequisite.

*Computer Science 201 (Business 270). BUSINESS LANGUAGE I.* An introduction to programming in a business oriented language (COBOL) with emphasis on commercial applications and elementary concepts of file processing. Prerequisite: Computer Science 156 or credit for another Computer Science course. 3 periods a week; 3 credits.

*Computer Science 202 (Business 271). 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. Spring only.

*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.

*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.

*Computer Science 300. INTRODUCTION TO STRUCTURED PROGRAMMING USING PASCAL.* An introduction to structured programming using Pascal programming language. Structured techniques and top down design will be emphasized. Prerequisite: knowledge of another computer language and ability to use the Longwood computer system, or permission of instructor. 1 period a week; 1 credit.

*Computer Science 301. COMPUTER ORGANIZATION AND ASSEMBLER LANGUAGE PROGRAMMING.* Assembler language programming; addressing techniques; internal storage structure; machine-level representation of instructions and data; sub-routines. Prerequisites: Computer Science 202 or 206 or consent of instructor. 3 periods a week; 3 credits. Fall only.

*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 300 and 202 or 206. 3 periods a week; 3 credits. Spring only.



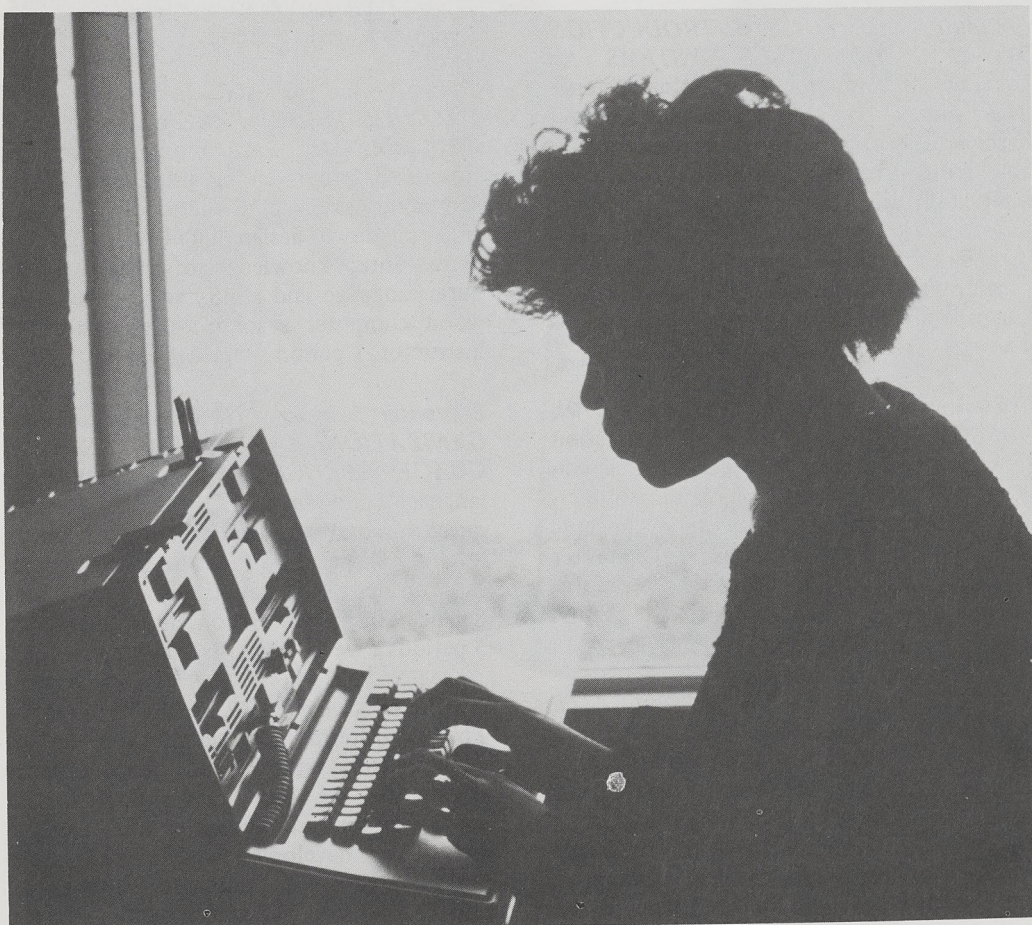
*Computer Science 308. ORGANIZATION OF PROGRAMMING LANGUAGES.* Topics include language and definition structure, data types and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments will involve the use of several different languages. Prerequisite: Computer Science 300 and 202 or 206. 3 periods a week; 3 credits. Fall only.

*Computer Science 311. INTRODUCTION TO OPERATING SYSTEMS AND COMPUTER ARCHITECTURE.* Emphasis will be placed on concepts rather than case studies and on the interdependence of operating systems and architecture. Topics include instruction sets. I/O and interrupt structure, addressing schemes, microprogramming, memory management and recovery procedures. Prerequisite: Computer Science 301. 3 periods a week; 3 credits. Spring only.

*Computer Science 490. DIRECTED STUDY IN COMPUTER SCIENCE.* Individualized study; recommended only when material cannot be studied through existing course offerings. Must have permission of department head. 1-3 credits. May be repeated as Computer Science 491, etc.; no more than 6 credits.

*For Graduates and Advanced Undergraduates*

*Computer Science 505. COMPUTERS IN MATHEMATICS EDUCATION.* Introduction to programming in the interactive language BASIC. Techniques and existing programs in computer-assisted instruction, computer-managed instruction, simulation and modeling. Emphasis will be placed on secondary school applications. Offered on demand; 3 credits.





# Earth Sciences

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## See Department of Natural Sciences

John M. Austin, *Director*

Courses in the Earth Science Program are designed to meet partially the general education requirements of all students, to enhance their cultural development in a liberal arts program, to broaden their knowledge of the physical environment, to offer courses to meet the earth science, general science and geography certification requirements, to prepare students for graduate study, and to provide a solid foundation for those planning to enter fields in which environmental knowledge is of value.

The earth science major provides training which may lead to career opportunities in educational fields and in government agencies such as: cartographic sections, environmental management programs, planning divisions, resource development, and the Defense Department. In private industry, an earth science background is valuable in jobs relating to mineral industries, energy production, transportation systems, and research and consulting firms. The major includes courses in many disciplines of earth science. This allows students to identify more specialized areas of particular interest to them which they may wish to pursue further in graduate school.

The major consists of multidisciplinary courses from the following areas: Astronomy, Cartography, Climatology, Ecology, Geology, Meteorology, Oceanography, Physical Geography, Physiography and Speleology. The earth science major must also take courses in biology, chemistry, and physical science or physics.

A minimum of 36 credit hours is required from the various earth science courses. A double major or minor in one of the other sciences or geography may be completed in a four-year program.

An earth science teaching endorsement can be met by taking the earth science requirements, which must include oceanography, meteorology, geology, astronomy, biology, chemistry or physics, and mathematics, as well as Psychology 250, Education 455, and the professional semester. A general science endorsement requires a total of 6 hours of biology, 6 hours of chemistry, 6 hours of physics, and 12 hours of earth science.

### EARTH SCIENCE MAJOR, B.S. DEGREE

#### *General Education Requirements*

Art, Music or Theatre/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 101/4 credits  
Biology 103/4 credits  
Mathematics 161, 162/6 credits  
Health Education 100/1 credit  
Physical Education Activity  
Courses/3 credits  
TOTAL/48 credits

See the section *General Education Requirements*, in this catalog, for specific requirements.

#### *Major Requirements*

Earth Science 101 or Physics 101/4 credits  
Earth Science 200, 201/8 credits  
Earth Science 210, 211/8 credits  
Earth Science 261, 252/7 credits  
Earth Science 315 or 316/4 credits  
Earth Science 355/4 credits  
Earth Science Elective/2-4 credits  
TOTAL/36 credits

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

Psychology 250/3 credits  
Education 455/3 credits  
Education 402, 480, 482, 484, 486,  
488/18 credits  
TOTAL/24 credits  
(See also last paragraph above.)



## GEOGRAPHY MINOR

Students interested in pursuing a geography minor should contact the director of the earth science program. The minor must include:

Geography 201/3 credits  
Geography 358/3 credits  
Geography 241, 242, 444,  
or 450/3 credits

Geography 353, 401, 402, 404, 405,  
or 453/3 credits  
Geography Elective/3 credits  
TOTAL/18 credits

## EARTH SCIENCE MINOR

Students interested in pursuing an earth science minor should contact the director of the earth science program. The minor must include:

Earth Science 261/4 credits  
Earth Science 200 or 201/4 credits  
Earth Science 210, 211/8 credits

Earth Science 316/3 credits  
Earth Science Elective/4 credits  
TOTAL/24 credits

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### EARTH SCIENCE (18)

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*Earth Science 101. PHYSICAL SCIENCE.* A survey of basic physics needed for the study of earth science. 3 single and 1 double periods a week; 4 credits. Not open to students having completed Physics 101.

*Earth Science 102. PHYSICAL SCIENCE.* A survey of the earth sciences. Not for earth science majors. 3 single and 1 double periods a week; 4 credits. Not open to students having completed Geology 210, Chemistry 101, Astronomy 200 or 201.

*Earth Science 200. ASTRONOMY OF THE SOLAR SYSTEM.* Descriptive study of the solar system and celestial dynamics. 3 single and 1 double periods a week; 4 credits.

*Earth Science 201. STELLAR ASTRONOMY.* Descriptive study of star types, stellar distances, binary systems, variable stars, stellar evolution, clusters, galaxies, cosmology, telescopes, and optics. 3 single and 1 double periods a week; 4 credits.

*Earth Science 210. PHYSICAL GEOLOGY.* An introduction to the physical materials and processes which shape the earth's crust. Specific topics include minerals, rocks, earthquakes, volcanoes, and plate tectonics. Also the effects of streams, waves, ground water, ice, wind, and gravity on the surface of the earth. 3 single and 1 double periods a week; 4 credits.

*Earth Science 211. HISTORICAL GEOLOGY.* An introduction to the methods, assumptions, and current interpretations of the evidence concerning the origin and evolution of the earth and its life forms. Emphasis on the geologic history of the United States. Prerequisite: Physical Geology or permission of instructor. 3 single and 1 double periods a week; 4 credits.

*Earth Science 261 (Geography 261). METEOROLOGY.* A study of the basic weather phenomena and processes including the elements for modern weather forecasting. Not open to students having taken Earth Science 251. 3 single and 1 double periods a week; 4 credits.

*Earth Science 252 (Geography 252). PHYSICAL GEOGRAPHY.* A systematic study of pedology, hydrology, plant geography, and earth resources and their interrelationships. Included are case studies of human impacts on the earth systems. 3 periods a week; 3 credits.

*Earth Science 300 (Biology 300). GENERAL ECOLOGY.* The interrelationships of organisms with their environment. 3 single and 1 double periods a week; 4 credits.

*Earth Science 301 (Biology 301). MAN AND THE ENVIRONMENT.* A consideration of the environmental problems that society faces on the local, national and international level. Topics may include the energy crisis, pollution, population problems, birth con-



trol, recycling, and other areas of interest to the students. No prerequisites; open to all students. 3 periods a week; 3 credits.

*Earth Science 315 (Biology 315). PHYSICAL OCEANOGRAPHY.* An introduction to the historical, geological, chemical and physical aspects of the oceans. Not open to students who have taken Biology 311 or Science 311. Prerequisite: one semester of Earth Science. 3 single and 1 double periods a week; 4 credits.

*Earth Science 353 (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.

*Earth Science 355 (Geography 355). CLIMATOLOGY.* The systems of climate classification and the global patterns of climatic regions are emphasized. Special attention is devoted to the relationships between climate and the other physical and biological systems, and the historical perspective of man and climate. Prerequisite: Geography 201 or 251 or permission of instructor. 3 periods a week; 3 credits.

*Earth Science 358 (Geography 358). CARTOGRAPHY.* Emphasis is focused on the construction of maps, figures, and charts at the pre-professional level. Modern techniques and processes are discussed along with conventional pen and ink methods. Exami-

nation and interpretation of maps and aerial photographs are included. Prerequisite: permission of instructor. 3 periods a week; 3 credits.

*Earth Science 371. SPECIAL COURSES IN EARTH SCIENCE.* Special courses for small groups of students. The course title and description listed below represents one of the special areas which may be covered under this course number.

*Speleology.* The physical and biological study of caves and their related features. The laboratory involves field trips to cavernous regions of Virginia and West Virginia. Prerequisite: Physical Geology and permission of instructor. 2 single and 1 double periods a week; 3 credits.

*Earth Science 410 (Geography 410). REGIONAL PHYSIOGRAPHY OF THE UNITED STATES.* Treatment of the processes that have shaped the varied surface features within the United States. Theories and concepts relating to geomorphic evolution in the major and minor physiographic divisions will be emphasized. Prerequisite: Geography 201 or Earth Science 252 or Earth Science 210. 3 periods a week; 3 credits.

*Earth Science 462. SPECIAL PROJECTS IN EARTH SCIENCE.* Students will carry out study or research projects under individual supervision of instructor. The nature of the projects will depend on the interest and needs of students. Consent of the instructor and approval of the department head is prerequisite for enrollment in this course. May be repeated as Earth Science 463 and 464. 2, 3, or 4 credits.



# Economics

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## See Department of Business and Economics

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### ECONOMICS (20)

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*Economics 210. BASIC ECONOMICS.* A concentrated study of economics principles with emphasis on economic analysis, macro theory, and current economic problems. 3 credits.

*Economics 211. PRINCIPLES OF ECONOMICS (MACRO EMPHASIS).* The fundamentals of economic analysis and theories, demand and supply considerations, national income accounting, fiscal and monetary policies and economic inflation, and full employment. 3 credits.

*Economics 212. PRINCIPLES OF ECONOMICS (MICRO EMPHASIS).* The fundamentals of economic analysis and theories, applied demand and supply mechanics, consumer and production theories, cost, price and out-put analysis, market models, resource allocations, theory of the firm and current microeconomic problems. 3 credits.

*Economics 310. COMPARATIVE ECONOMIC SYSTEMS.* A critical study of capitalism, fascism, and socialism. Prerequisite: Economics 211 and 212. 3 credits.

*Economics 311. MONEY AND BANKING.* The functions of money; legal tender and the relation of money and credit to prices; bank deposits; and general economic activity; the American banking system from colonial times to present. Emphasis on monetary policy and the Federal Reserve System, international trade policy and problems of exchange. Prerequisite: Economics 211 and 212. 3 credits.

*Economics 312. MANAGERIAL ECONOMICS.* Application of economic theory and methodology to business and management decision making. It applies the tools and techniques of economic analysis to analyze and solve managerial problems. The subject

matter is pragmatic and goal oriented including problems and short cases. Prerequisites: Mathematics 271 and Economics 211 and 212. 3 credits.

*Economics 313. PUBLIC ECONOMICS.* A study of the economic rationale for government intervention into a market economy and the economic effects of such government activities. Emphasis is placed on how government expenditures and taxes affect the allocation and distribution to resources and products and their effects on unemployment and inflation. Prerequisites: Economics 211 and 212. 3 credits.

*Economics 314. QUANTITATIVE METHODS.* Quantitative methods in the area of economics, business, and management analysis and decision making. Many quantitative techniques and analytical tools of mathematics and statistics are introduced without calculus. The subject matter is application oriented and computer use is introduced. Prerequisites: Mathematics 271 and Economics 211 and 212. 3 credits.

*Economics 315, 316. ECONOMIC HISTORY OF THE UNITED STATES.* A study of the economy of the United States from the Jamestown Colony to the present. The first semester covers the period from the Jamestown Colony through the Civil War Era. The second semester covers the period from Reconstruction to the present. Prerequisite: Economics 210 or 211. 3 credits.

*Economics 410, 411, 412, 413. ECONOMIC SEMINAR.* Prerequisites: Economics 211, 212 and six other credits in Economics. Current problems are researched and reported by the students. Offered on demand; 3 credits.

*Economics 462 (Business 462). OPERATIONS RESEARCH.* 3 credits.



# Department of Education and Psychology

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Charles H. Patterson, *Head*

Dorothy O. Hankins, *Secretary*

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

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

## I EARLY EDUCATION (N,K-4)

Pattern I leads to specialization and certification endorsement for the Nursery School, Kindergarten and Grades 1, 2, 3, and 4. A student selecting this pattern as a major will also select an area of emphasis in one of the three areas of concentration: (1) an interdisciplinary concentration; (2) an additional certification endorsement in Developmental Reading N, K-12; or (3) an additional certification endorsement in Library-Media N, K-12.

## II MIDDLE SCHOOL EDUCATION (4-8)

Pattern II leads to specialization and certification endorsement for Grades 4, 5, 6, 7, and 8. In addition, a student selecting this pattern will select two areas of emphasis from the following five: Reading, Language Arts, Social Science, Mathematics and Science. These areas are divided into the following concentrations at Longwood College:

1. An interdisciplinary concentration with emphasis in Language Arts and Social Science.
2. An interdisciplinary concentration with emphasis in Mathematics and Science.
3. An additional certification endorsement in Developmental Reading, N, K-12 and a concentration in Language Arts.
4. An additional certification endorsement in General Mathematics 8-12 and a concentration in Science.
5. An additional certification endorsement in General Science 8-12 and a concentration in Mathematics.
6. An additional certification endorsement in Library-Media, N, K-12 with concentrations in Language Arts and Social Science.

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

## Faculty

John E. Arehart, *Assistant Professor*  
Robert L. Banton III, *Professor*  
Charles J. DeWitt, *Associate Professor*  
George P. Elliott, *Associate Professor*  
Robert D. Gibbons, *Professor*  
Daniel G. Mossler, *Assistant Professor*  
Charles H. Patterson, Jr., *Board of Visitors*  
*Distinguished Professor and Head*  
Jung B. Ra, *Associate Professor*  
Betty W. Simmons, *Assistant Professor*

Madeline L. Simpson, *Assistant Professor*  
Ray B. Sizemore, *Associate Professor*  
Edward D. Smith, *Associate Professor*  
Edwin H. Vassar, *Associate Professor and*  
*Director of Student Teaching*  
Nancy H. Vick, *Associate Professor and*  
*Director of Bureau of Teaching Materials*  
Phyllis G. Wacker, *Associate Professor*  
Mark G. Weatherly, *Associate Professor*  
Vera G. Williams, *Assistant Professor*  
Mary Stuart Woodburn, *Associate Professor*



## ELEMENTARY EDUCATION MAJOR, B.S. DEGREE

### *General Education Requirements for Patterns I and II*

- |   |  |
|---|--|
| 1. <i>Humanities</i>                            | 3. <i>Natural Sciences</i>                 |
| English 100, 101 . . . . . 6 credits            | Biology 102 or 103 . . . . . 4 credits     |
| English literature elective . . . . . 3 credits | Earth Science 102 . . . . . 4 credits      |
| Music 340 . . . . . 3 credits                   |  |
| Art 341 or 342 . . . . . 3 credits              | 4. <i>Mathematics</i>                      |
| English 282 . . . . . 3 credits                 | Mathematics 123, 124 . . . . . 6 credits   |
|   |  |
| 2. <i>Social Sciences</i>                       | 5. <i>Health &amp; Physical Education</i>  |
| American History 121 or 122 . . 3 credits       | Health Education 100 . . . . . 1 credit    |
| History 111, 112 . . . . . 6 credits            | Health & Phys. Education 360 . . 3 credits |
| Economics 202 . . . . . 3 credits               |  |

### *General Certification Requirements for Patterns I and II*

- |  |  |
|--|--|
| 1. <i>Language Arts</i>                | 4. <i>Mathematics</i>                      |
| Education 225 . . . . . 3 credits      | Mathematics 323 or 324 . . . . . 3 credits |
| English 280 . . . . . 3 credits        |  |
| Speech 101 . . . . . 3 credits         | 5. <i>Science</i>                          |
|  | Science 362 . . . . . 3 credits            |
| 2. <i>Reading</i>                      | 6. <i>Physical Education</i>               |
| Education 325, 429 . . . . . 6 credits | Physical Education Activity . . . . .      |
|  | Course Electives . . . . . 2 credits       |
| 3. <i>Social Science</i>               | 7. <i>Developmental Psychology</i>         |
| Geography 201 . . . . . 3 credits      | Psychology 240, 250 . . . . . 6 credits    |

### *Professional Requirements for Certification*

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

### **Areas of Concentration**

#### *Pattern I – Concentration for Early Education (N, K-4)*

- |   |  |
|---|--|
| 1. <i>Interdisciplinary</i>               | 3. <i>Library-Media (N, K-12)</i>        |
| Art elective . . . . . 3 credits          | Library Science 280, 281, 301,           |
| Music 341 . . . . . 3 credits             | 302, 401, 402 . . . . . 18 credits       |
| Geography elective . . . . . 3 credits    | Education 485 or 347 . . . . . 3 credits |
| Biology 102 or 103 . . . . . 4 credits    | Education 281 . . . . . 3 credits        |
| Elective Courses . . . . . 11 credits     | Elective . . . . . 3 credits             |
|   |  |
| 2. <i>Developmental Reading (N, K-12)</i> |  |
| Education 425, 427, 430,                  |  |
| 431, 451 . . . . . 18 credits             |  |
| English 281 . . . . . 3 credits           |  |
| Elective . . . . . 6 credits              |  |

NOTE: Students seeking certification endorsement in library media will also register for Education 405.



## Pattern II – Concentrations for Middle School Education (4-8)

1. *Interdisciplinary (Language Arts–Social Science Concentration)*  
English Literature . . . . . 6 credits  
Geography Elective . . . . . 3 credits  
Government 215 . . . . . 3 credits  
Anthropology or  
Sociology Elective . . . . . 3 credits  
History Elective . . . . . 3 credits  
Electives . . . . . 6 credits
2. *Interdisciplinary (Mathematics and Science Concentration)*  
Biology 102 or 103 . . . . . 4 credits  
Physical Science 101 . . . . . 4 credits  
Earth Science 200 . . . . . 4 credits  
Mathematics 114, 313, 324 . . . 9 credits  
Electives . . . . . 6 credits
3. *Developmental Reading Endorsement N, K-12 and Language Arts Concentration*  
Education 425, 427, 430,  
431, 451 . . . . . 18 credits  
English 281 . . . . . 3 credits  
English Elective . . . . . 3 credits  
Elective . . . . . 3 credits

4. *General Mathematics Endorsement 8-12 and Science Concentration*  
Mathematics 111, 114,  
313, 321, 324 . . . . . 15 credits  
Mathematics Electives . . . . . 6 credits  
Biology 102 or 103 . . . . . 4 credits  
Science Elective . . . . . 4 credits  
Elective . . . . . 1 credit

NOTE: Students seeking certification endorsement will also register for Education 404, 455 (8 credits).

5. *Library-Media N, K-12 Endorsement and Language Arts–Social Science Concentration*  
Library Science 280, 281, 301,  
302, 401, 402 . . . . . 18 credits  
Education 485 or 547 . . . . . 3 credits  
English 281 . . . . . 3 credits  
Social Science elective . . . . . 3 credits

## SPECIAL EDUCATION MAJOR, B. S. DEGREE

The undergraduate major in special education is divided into three degree patterns:

- I LEARNING DISABILITY ENDORSEMENT (LD)  
Pattern I leads to specialization and certification endorsement in working with the learning disabled child.
- II EMOTIONALLY DISTURBED ENDORSEMENT (ED)  
Pattern II leads to specialization and certification endorsement in working with the emotionally disturbed child.
- III COMBINATION LD AND ED ENDORSEMENT (LD/ED)  
Pattern III leads to a dual specialization and certification endorsement in working with both learning disabled and emotionally disturbed children.

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

### General Education Requirements for Patterns I, II and III

1. *Humanities*  
English 100, 101 . . . . . 6 credits  
English literature elective . . . . 3 credits  
English 280 . . . . . 3 credits  
Music 340 . . . . . 3 credits  
Art 341 . . . . . 3 credits
2. *Social Sciences*  
American History 121 or 122 . . 3 credits  
Economics 210 . . . . . 3 credits  
Geography 201 . . . . . 3 credits  
Social Science elective . . . . . 3 credits

(continued on next page)



(General Education Requirements for Patterns I, II and III  
continued)

- |   |   |
|---|---|
| <p>3. <i>Natural Sciences</i><br/>           Biology 102 ..... 4 credits<br/>           Earth Science 102 ..... 4 credits</p> | <p>5. <i>Health &amp; Physical Education</i><br/>           Health Education 100 ..... 1 credit<br/>           Phys. Education Activity ..... 3 credits</p> |
| <p>4. <i>Mathematics</i><br/>           Mathematics 123, 124 ..... 6 credits</p>  |   |

*Professional Requirements for Certification*

*Pattern I – Learning Disabled*

- |  |  |
|--|--|
| <p>1. <i>Speech</i><br/>           Speech 101 ..... 3 credits</p>                    | <p>4. <i>Special Education</i><br/>           Special Education 292, 327,<br/>           380, 404 ..... 12 credits</p> |
| <p>2. <i>Adaptive P.E.</i><br/>           Physical Education 361 ..... 3 credits</p> | <p>5. <i>Practicum</i><br/>           Education 406 ..... 10 credits</p>   |
| <p>3. <i>Science</i><br/>           Science 362 ..... 3 credits</p>                  | <p>6. <i>Electives</i> ..... 9 credits</p>   |

*Pattern II – Emotionally Disturbed*

- |  |  |
|--|--|
| <p>1. <i>Speech</i><br/>           Speech 101 ..... 3 credits</p>                    | <p>4. <i>Special Education</i><br/>           Special Education 290, 315,<br/>           320, 402 ..... 12 credits</p> |
| <p>2. <i>Adaptive P.E.</i><br/>           Physical Education 362 ..... 3 credits</p> | <p>5. <i>Practicum</i><br/>           Education 407 ..... 10 credits</p>   |
| <p>3. <i>Science</i><br/>           Science 362 ..... 3 credits</p>                  | <p>6. <i>Electives</i> ..... 9 credits</p>   |

*Pattern III – LD/ED Dual Programs*

- |   |   |
|---|---|
| <p>1. <i>Adaptive P.E.</i><br/>           Physical Education 361 ..... 3 credits</p>  | <p>3. <i>Practicum</i><br/>           Education 408, 409 ..... 10 credits</p> |
| <p>2. <i>Special Education</i><br/>           Special Education 290, 292, 320,<br/>           327, 380, 402, 404 ..... 21 credits</p> | <p>4. <i>Electives</i> ..... 2 credits</p>                                    |

*Special Education Major with Added Elementary N, K-4 Endorsement*

Students electing a major in either the Learning Disability or Emotional Disturbance pattern may also elect an added endorsement as an Elementary Early Education N,K-4 teacher. This program will involve an additional semester beyond the regular four-year program. Additional requirements for this program are:

- |  |  |
|--|--|
| <p>English 282 ..... 3 credits<br/>           Health &amp; Physical Education 360 ..... 3 credits<br/>           Education 453 ..... 3 credits</p> | <p>Education 429 ..... 3 credits<br/>           Education 400 ..... 10 credits</p> |
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## EDUCATION (22)

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*Education 225. LANGUAGE ARTS IN THE ELEMENTARY SCHOOL.* Introduction to the techniques of language arts instruction in the elementary school. 3 credits.

*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.

*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.

*Education 349. EDUCATION TELEVISION.* A detailed study of educational television with special emphasis on the roles of the studio and classroom teacher. 3 credits.

*Education 424. BEHAVIOR MODIFICATION IN THE CLASSROOM.* The basic principles of behavior modification as they apply to classroom management and discipline. 3 periods a week; 3 credits.

*Education 425. FOUNDATIONS OF READING.* The teaching principles and techniques in the field of reading. Prerequisites: Education 325 and 429. 3 credits.

*Education 427. PRACTICUM IN DIAGNOSIS AND REMEDIAL TECHNIQUES IN READING.* Directed experience in reading diagnosis, analyses and remediation in a clinical setting. Prerequisites: Education 425 and 431. 6 credits.

*Education 429. THE DIAGNOSTIC TEACHING OF READING.* Evaluation of reading progress, survey of common reading difficulties, diagnostic techniques, and corrective methods for the classroom. 3 credits.

*Education 430. TEACHING READING IN THE CONTENT AREA.* An analysis of principles and practices in the development of specific reading skills in content areas. 3 credits.

*Education 431. TECHNIQUES IN DIAGNOSIS AND REMEDIAL READING METHODS.* Testing, analysis, and prescriptive techniques for corrective and remedial reading problems. Prerequisite: Education 429. 3 credits.

*Education 451. SURVEY OF EXCEPTIONAL CHILDREN.* Survey of essential characteristics of the exceptional child in an educational setting. 3 periods a week; 3 credits.

*Education 453. PRINCIPLES OF EARLY EDUCATION.* Principles and methods of curriculum and instruction in the kindergarten-primary unit (K-4). Prerequisites: Education 225, 325, 429. 3 periods a week; 3 credits.

*Education 454. PRINCIPLES OF MIDDLE SCHOOL EDUCATION.* Principles and methods of curriculum and instruction in the middle school (4-8). Prerequisites: Education 225, 325, 429. 3 periods a week; 3 credits.

*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.

*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.

*Education 485. PRODUCTION OF MEDIA FOR INSTRUCTION.* A laboratory course involving production techniques of media materials for classroom utilization. 3 credits.

### The Professional Semester

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



## **The Student Teaching Practicum**

*Education 400. DIRECTED TEACHING IN THE KINDERGARTEN AND PRIMARY GRADES.* Required of all majors in elementary education in the K-3 option. See prerequisites for student teaching. 10 credits.

*Education 401. DIRECTED TEACHING IN THE UPPER ELEMENTARY GRADES.* Required of all majors in the upper elementary option. See prerequisites for student teaching. 10 credits.

*Education 402. DIRECTED TEACHING IN THE SECONDARY SCHOOL.* Required of all students in the secondary education curricula. See prerequisites for student teaching. 10 credits.

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

*Education 404. DIRECTED SECONDARY TEACHING.* Five credits.

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

## **The Professional Module**

*Education 480. MEASUREMENT AND EVALUATION MODULE.* Theory and practice in construction of teacher-made evaluation instruments and the selection, administration and interpretation of selected standardized tests. Thirty 60-minute periods; 2 credits.

*Education 482. PHILOSOPHICAL FOUNDATIONS MODULE.* Overview of the different philosophical approaches to education exemplified in current practice. Thirty 60-minute periods; 2 credits.

*Education 484. MEDIA MODULE.* A laboratory module concerned with the utilization of basic multi-media in learning processes. Ten 90-minute periods; 1 credit.

*Education 486. MULTICULTURAL EDUCATION MODULE.* Study of definitions, causes and characteristics of children and youth from different cultural environments. Emphasis on inner-city and rural patterns. 2 credits.

*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.

## **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 429. 3 credits.

*Education 526. TECHNIQUES IN DIAGNOSIS AND REMEDIAL READING METHODS.* Testing, analysis, and prescriptive techniques for corrective and remedial reading problems. Theory and applied research will be emphasized. Prerequisite: Education 429. 3 credits.

*Education 527. PRACTICUM IN DIAGNOSTIC AND REMEDIAL TECHNIQUES IN READING.* Directed experience in reading diagnosis, analyses and remediation in a clinical setting with emphasis on supervisory experience and applied research. Prerequisites: Education 525 and 526. 6 credits.

*Education 530. TEACHING READING IN THE CONTENT AREA.* A detailed analysis of principles and practices in the development of specific reading skills in content areas with emphasis on advanced theory and practice. 3 credits.

*Education 547. INSTRUCTIONAL MEDIA.* Deals with the evaluation, selection, utilization, and integration of audio-visual media in the teaching-learning process. 3 credits.

*Education 595. WORKSHOPS IN EDUCATION.* 1-3 credits.



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## SPECIAL EDUCATION (79)

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*Special Education 202. INTRODUCTION TO SPECIAL EDUCATION.* Introduction to all exceptionalities included in special education; the psychology of exceptional learners and legislation pertaining to the education of the handicapped. Observation in special education. 3 credits.

*Special Education 215. LANGUAGE AND LANGUAGE DISORDERS.* A study of normal development of language. Delayed language acquisition resulting from environmental and organic causes. Emphasis on language acquisition skills for the exceptional child. 3 credits.

*Special Education 290. THE EMOTIONALLY DISTURBED CHILD.* Psychopathology of childhood. Theories of etiology and characteristics of emotionally disturbed. Methods of prevention and treatment of emotional disturbance. Prerequisite: Special Education 202. 3 credits.

*Special Education 292. THE LEARNING DISABLED CHILD.* Theories of etiology, the identification and treatment of learning disabilities; including characteristics, criteria for placement and models for treatment. Prerequisite: Special Education 202. 3 credits.

*Special Education 300. PSYCHOLOGICAL AND EDUCATIONAL ASSESSMENT FOR EXCEPTIONAL LEARNERS.* Principles and procedures of educational assessment. Emphasis on the selection, preparation, diagnosis and evaluation of children with learning and/or behavioral problems. Supervised administration and interpretation of informal, criterion-referenced and standardized educational instruments. 3 credits.

*Special Education 304. INTRODUCTION TO CURRICULUM AND METHODOLOGY ADAPTATIONS IN SPECIAL EDUCATION.* An overview of curriculum goals, guidelines for selection and adaptations of commercial materials and opportunities to construct adapted materials. An overview of basic methodology for curriculum utilization and methodology adaptations for exceptional learners of all levels. 3 credits.

*Special Education 310. INTRODUCTION TO BEHAVIOR MANAGEMENT TECHNIQUES FOR CHILDREN WITH LEARNING AND/OR BEHAVIORAL DISORDERS.* A survey of techniques used in the management of the behavior of students with learning and/or behavioral problems. Emphasis on early behavioral intervention techniques and basic behavior modification techniques. 3 credits.

*Special Education 315. BEHAVIORAL MANAGEMENT AND MOTIVATIONAL TECHNIQUES FOR THE EMOTIONALLY DISTURBED.* Behavioral and humanistic approaches to classroom management for emotionally disturbed children. Techniques for parental involvement, behavior management of the emotionally disturbed. Prerequisite: Special Education 310. 3 credits.

*Special Education 320. FIELD EXPERIENCE IN TEACHING EMOTIONALLY DISTURBED CHILDREN.* Introductory student teaching experience in the field of emotional disturbance. Students are expected to perform competencies developed in prior special education courses. 3 credits.

*Special Education 327. FIELD EXPERIENCE IN TEACHING LEARNING DISABLED CHILDREN.* Introductory student teaching experiences in the field of learning disabilities. Students are expected to perform competencies developed in prior special education courses. 3 credits.

*Special Education 380. DIAGNOSIS OF LEARNING DISABILITIES.* A study of the evaluation procedures used to diagnose learning disabilities, including appropriate selection and use of tests and interpretation of test results as a basis for educational planning for all levels. Prerequisite: Special Education 300. 3 credits.

*Special Education 400. THE IEP AND CURRENT PERSPECTIVES IN SPECIAL EDUCATION.* Emphasis on the team approach in education planning for exceptional children. Supervised practice in the construction and implementation of the IEP. Current legislation, innovations and research in special education. 2 credits.

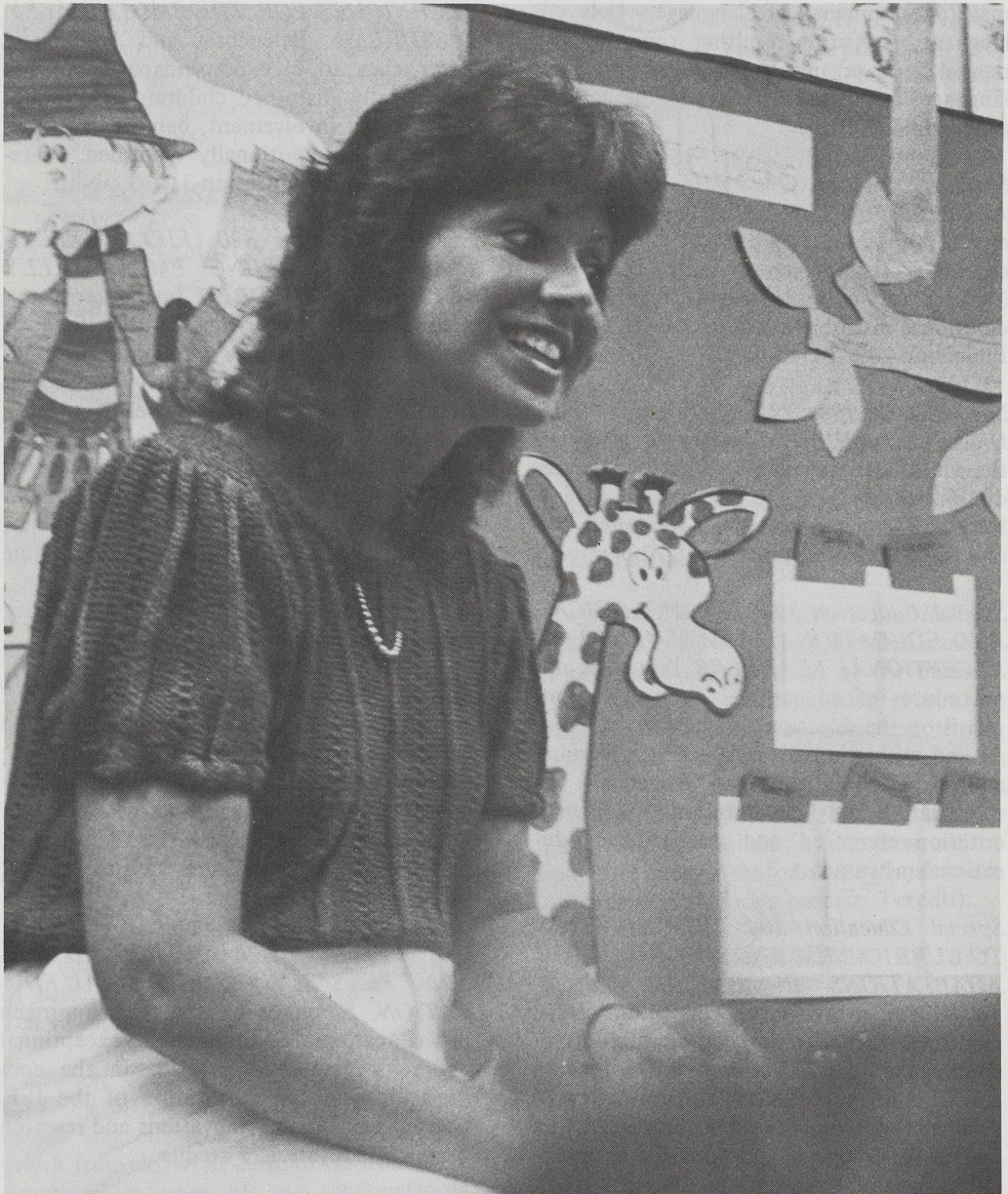


*Special Education 402. CURRICULUM ADAPTATIONS AND TEACHING METHODS FOR EMOTIONALLY DISTURBED STUDENTS.* Emphasis on curriculum and specialized methods for teaching the emotionally disturbed of all degrees of disability at all levels. A study of model programs for teaching the emotionally disturbed. 3 credits.

*Special Education 404. CURRICULUM AND MATERIAL ADAPTATION AND TEACHING METHODS FOR THE LEARN-*

*ING DISABLED.* Curriculum modifications for the special behavioral, social, emotional and vocational needs of the learning disabled. 3 credits.

*Special Education 450. CAREER AND LIFE PLANNING FOR THE HANDICAPPED.* An in-depth study of preparatory skills for vocational opportunities for handicapped students. An overview of social, leisure and recreational opportunities for the handicapped. 3 credits.





# Department of English, Philosophy, and Foreign Languages

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Donald C. Stuart, *Head*

Darlene H. Smith, *Secretary*

## ENGLISH PROGRAM

The English program of the Department of English, Philosophy, and Foreign Languages offers courses leading to the B.A. and M.A. degrees.

The program requirements satisfy the Virginia Certification Regulations for Teachers, effective July 1, 1982, which call for "a minimum of 36 semester hours, including at least one course from each of the following areas: (1) History of the English Language, comparative English grammar, standard written English; (2) English, American, world, and ethnic literature; (3) teaching of writing, with emphasis upon advanced composition; (4) oral expression and related listening skills." For certification to teach Speech, Theater, or Journalism, see requirements on the next page.

Every attempt has been made to state the major and minor requirements as clearly as possible. However, we recommend that every student majoring or minoring in the program maintain close communication with the academic advisor assigned by the department in order to plan a program suited to the student's needs. The faculty of the department are happy to assist each student in this and in defining individual career goals and expectations.

*NOTE: The Department does not guarantee that all of the courses listed will be offered every year.*

## Faculty

Jo Leslie Andrews, *Associate Professor*  
Craig Challender, *Assistant Professor*  
Martha E. Cook, *Associate Professor*  
Carolyn M. Craft, *Professor*  
Otis W. Douglass, III, *Assistant Professor*  
Anita B. Ernouf, *Professor*  
William L. Frank, *Professor*  
Fillmer Hevener, Jr., *Associate Professor*  
David N. James, *Assistant Professor*  
Jill B. Kelly, *Assistant Professor*  
Michael Lund, *Associate Professor*

Susan H. May, *Professor*  
Geoffrey C. Orth, *Assistant Professor*  
John S. Peale, *Professor*  
Jean Bosco Rwasubutare, *Fulbright Exchange Scholar*  
Ellery Sedgwick, *Assistant Professor*  
Maria C. Milian-Silveira, *Associate Professor*  
Rosemary Sprague, *Board of Visitors*  
*Distinguished Professor*  
Massie C. Stinson, *Associate Professor*  
Donald C. Stuart, *Associate Professor and Head*  
Camilla C. Tinnell, *Instructor*  
William C. Woods, *Assistant Professor*



## ENGLISH MAJOR, B.A. DEGREE

### *General Education Requirements*

Art, Music, or Theatre/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  
Biological and/or Physical  
Science/8 credits  
Mathematics/6 credits  
Health Education 100/1 credit  
Physical Education Activity  
Courses/3 credits  
TOTAL/51 credits

### *English Major Requirements:*

English 311, 312, 313, 314, 331,  
332, 333/21 credits  
Four 400-level literature courses/  
12 credits  
TOTAL/33 credits

### *Teaching Certification Requirements*

English 281/3 credits  
English 282/3 credits  
English 480/3 credits  
English 483/3 credits  
Speech/3 credits  
Psychology 250/3 credits  
Education 455/3 credits  
Education 402, 480, 482, 484,  
488/18 credits  
TOTAL/39 credits

*NOTE:* Each English education major shall schedule a meeting with the department English Pre-Teaching Committee in the first semester of the sophomore year. The student will be assisted by the Committee in evaluating his or her potential for teaching high school English. Before student teaching, each English education major shall have completed English 281, 282, 480, and 483.

*For additional certification to teach Speech:*  
Speech electives/6 credits

*For additional certification to teach Theatre:*  
Theatre 220/4 credits  
Theatre 367, 368, or 369/3 credits

*For additional certification to teach Journalism:*  
English 110 and English 213 or 222/6 credits

## MINORS

### *Minor in English*

English 311, 312, 331/3 credits  
English 313, 314, 332, 333/3 credits  
One 400-level course/3 credits  
English electives/9 credits  
TOTAL/18 credits

### *Minor in Communications*

Speech 311/3 credits  
Two courses from English 110,  
213, 222/6 credits  
Communications electives/12 credits  
TOTAL/21 credits

### *Minor in Journalism*

English 110, 213, 222/9 credits  
Journalism electives/9 credits  
TOTAL/18 credits

Journalism electives must be selected from the following:

Art 155	History 310
Art 221	Government 201, 441
Speech 200, 311	Sociology 101
Philosophy 321	Psychology 131



## COMMUNICATIONS

Although Longwood College does not offer a major in Communications, several academic departments do offer on a regular basis courses that parallel communications 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 listings, 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 (Computer  
Science 205)  
Communication 211 (English 211)  
Communication 212 (English 212)  
Communication 213 (English 213)  
Communication 214 (English 214)

Communication 220 (Art 221)  
Communication 221 (English 221)  
Communication 222 (English 222)  
Communication 256 (English 256)  
Communication 257 (English 257)  
Communication 291 (Business 297)  
Communication 301 (Library Science 301)  
Communication 311 (Speech 311)  
Communication 362 (Business 362)  
Communication 480 (Business 480)  
Communication 547 (Education 547)

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## ENGLISH (23)

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NOTE: The following courses satisfy the literature requirements for General Education: English 311, 312, 313, 314, 331, 332, and 333.

*English 051. BASIC WRITING SKILLS.* Sentence, paragraph, and essay structure, with attention to standard English usage, punctuation, critical reading and summarizing, and writing short expository papers. Students will be assigned to this course on the basis of diagnostic tests or may enroll themselves. This course does not fulfill general education requirements and credit does not count toward graduation. Successful completion is required before students can enroll in other English courses. 3 credits.

*English 100. EXPOSITORY WRITING AND RESEARCH.* Reading and writing expository prose including the research paper. Conferences with the instructor are required. Prerequisite to all other English courses. 3 periods a week; 3 credits.

*English 100H. HONORS EXPOSITORY WRITING.* Seminar on expository writing. Mastery of basic skills expected. Critical evaluation of readings. Intensive work on

composing, research, and argumentation. Students must be qualified for admission to Honors Program. 3 periods a week; 3 credits.

*English 101. INTRODUCTION TO LITERATURE AND COMPOSITION.* Expository writing and an introduction to literary analysis. Close reading and frequent writing on literature, primarily fiction and poetry. May be taken concurrently with other English courses with permission of department head. 3 periods a week; 3 credits.

*English 101H. HONORS INTRODUCTION TO LITERATURE AND COMPOSITION.* Seminar on literary theory. Close reading of literature with continued emphasis on composition and research. Students must be qualified for admission to Honors Program. 3 periods a week; 3 credits.

*English 110. INTRODUCTION TO JOURNALISM.* Fundamentals of news writing and reporting for the student press. Required for certification. 3 periods a week; 3 credits.

*English 211. WRITING FICTION.* The short story and other forms of fiction. 3 periods a week; 3 credits.

*English 212. WRITING POETRY.* Traditional and contemporary techniques in poetry. 3 periods a week; 3 credits.



*English 213. WRITING NON-FICTION.* Narrative nonfiction, article and feature writing, and other forms of literary journalism. 3 periods a week; 3 credits.

*English 214. TECHNICAL WRITING.* A study and application of writing techniques for the dissemination of scientific and technical information. 3 periods a week; 3 credits.

*English 221. POPULAR LITERATURE.* A study of contemporary nonfiction, genre fiction, and other forms of literature of proven mass appeal. 3 periods a week; 3 credits.

*English 222. POPULAR CULTURE AND THE MASS MEDIA.* Contemporary print and electronic media, with emphasis on film, television, pop music, and the press. 3 periods a week; 3 credits.

*English 223. SHAKESPEARE.* A study of twelve plays selected to illustrate his development as a dramatist and the importance of Elizabethan drama. Primarily for Theatre majors. 3 periods a week; 3 credits.

*English 230. WOMEN AND LITERATURE.* A study of literature by and/or about women, focusing primarily on British and American poetry and fiction. 3 periods a week; 3 credits.

*English 256. THE ART OF FILM I.* Introduction to theory and techniques of the motion picture through screenings of classic and contemporary feature films. 3 periods a week; 3 credits.

*English 257. THE ART OF FILM II.* A study of major directors of film genres. 3 periods a week; 3 credits.

*English 260. MYTHOLOGY.* A study of classical and Germanic mythologies, with an emphasis upon their influences in various literary traditions. Some consideration may be given to other myths. 3 periods a week; 3 credits.

*English 263. THE BIBLE AS LITERATURE.* The Old and New Testaments as works of literature. 3 periods a week; 3 credits.

*English 280. CHILDREN'S LITERATURE.* A survey of poetry, prose, and other media appropriate for elementary students. Primarily for English education and library science students. 3 periods a week; 3 credits.

*English 281. LITERATURE FOR YOUNG ADULTS.* The selection and evaluation of books, including adult books and classics, and other forms of media. Methods of and practice in oral presentation and related listening skills. 3 periods a week; 3 credits.

*English 282. TRADITIONAL AND MODERN ENGLISH GRAMMAR.* 3 periods a week; 3 credits.

### Courses in the Major Literary Periods

(These courses satisfy General Education Literature requirements.)

*English 311. BRITISH LITERATURE I.* From the Beginnings through the Sixteenth Century. Emphasis on such major works and writers as *Beowulf*, Chaucer, Spenser, Marlowe, and Shakespeare. 3 periods a week; 3 credits.

*English 312. BRITISH LITERATURE II.* The late Renaissance through the Age of Johnson, with emphasis on such major writers as Donne, Milton, Dryden, Swift, Pope, and Johnson. 3 periods a week; 3 credits.

*English 313. BRITISH LITERATURE III.* The romantic and Victorian Ages, with emphasis on such poets as Wordsworth, Coleridge, Keats, Tennyson, and Browning and such prose writers as Carlyle, Dickens, and Eliot. 3 periods a week; 3 credits.

*English 314. BRITISH LITERATURE IV.* The Twentieth Century. Emphasis on such major writers as Hardy, Yeats, Joyce, Lawrence, Woolf, and Lessing. 3 periods a week; 3 credits.

*English 331. AMERICAN LITERATURE TO 1865.* The beginnings through the period of the Civil War, with emphasis on such major writers as Edwards, Taylor, Franklin, Emerson, Hawthorne, Melville, and Whitman. 3 periods a week; 3 credits.



*English 332. AMERICAN LITERATURE 1865-1920.* The Age of Realism and Naturalism with emphasis on such major writers as Twain, Dickinson, Dreiser, Wharton, James, and Crane. 3 periods a week; 3 credits.

*English 333 AMERICAN LITERATURE SINCE 1920.* The Modern Age with emphasis on such major writers as Hemingway, Faulkner, Frost, Fitzgerald, Welty, and Eliot. 3 periods a week; 3 credits.

*English 367 (Theatre 367). SURVEY OF WESTERN DRAMA TO THE 17th CENTURY.* Play analysis, dramatic style, and stage settings from the Greek classical period to the advent of the French neoclassical drama. 3 periods a week; 3 credits.

*English 368 (Theatre 368). SURVEY OF WESTERN DRAMA FROM THE 17th TO THE 20th CENTURY.* Play analysis, dramatic style, and stage settings from the French neoclassical period through Ibsen and the advent of Realism. 3 periods a week; 3 credits.

*English 369 (Theatre 369). SURVEY OF WESTERN DRAMA IN THE 20th CENTURY.* Traditional and avant-garde plays of the modern period. Emphasis on analysis and fluctuating styles of presentation. 3 periods a week; 3 credits.

### Genre Courses

Prerequisite: one 300-level course.

*English 411. EPIC.* Study in the tradition and qualities of the epic as a unique genre with emphasis on one or more forms or a period in which the genre flourishes. 3 periods a week; 3 credits.

*English 412. POETRY.* Study in the tradition and qualities of poetry as a unique genre with emphasis on one or more specific forms or a period in which the genre flourishes. 3 periods a week; 3 credits.

*English 413. THE NOVEL.* Study in the tradition and qualities of the novel as a unique genre with emphasis on one or more specific forms or a period in which the genre flourishes. 3 periods a week; 3 credits.

*English 414. SHORT STORY.* Study in the

tradition and qualities of short story as a unique genre with emphasis on one or more forms or a period in which the genre flourishes. 3 periods a week; 3 credits.

*English 415. DRAMA.* Study in the tradition and qualities of drama as a unique genre with emphasis on one or more forms or a period in which the genre flourishes. 3 periods a week; 3 credits.

*English 421, 422. MAJOR FIGURES IN FICTION.* Extended study in the work of from one to three major English or American writers. 3 periods a week; 3 credits.

*English 423, 424. MAJOR FIGURES IN POETRY.* Extended study in the work of from one to three major English or American writers. 3 periods a week; 3 credits.

*English 425. SHAKESPEARE.* Extended study in the works of William Shakespeare. 3 periods a week; 3 credits.

### Special Topics Courses

*English 431. ARTHURIAN LITERATURE.* Comparative study of Arthurian material of various countries from the medieval through the modern periods. 3 periods a week; 3 credits.

*English 432. WOMEN AND LITERATURE.* Study of the tradition of literature by and about women. 3 periods a week; 3 credits.

*English 441. ETHNIC LITERATURE.* Study of the literary tradition of an ethnic group such as Afro-American, Jewish, Chicano, or Native American peoples. 3 periods a week; 3 credits.

*English 442. REGIONAL LITERATURE.* Study of the literary tradition of a region, such as the American South, or Ireland. 3 periods a week; 3 credits.

*English 451. CONTINENTAL LITERATURE I.* Study of ancient, medieval, and Renaissance European classics in translation. 3 periods a week; 3 credits.

*English 452. CONTINENTAL LITERATURE II.* Study of European literature of the neo-classical, romantic, and modern periods in translation. 3 periods a week; 3 credits.



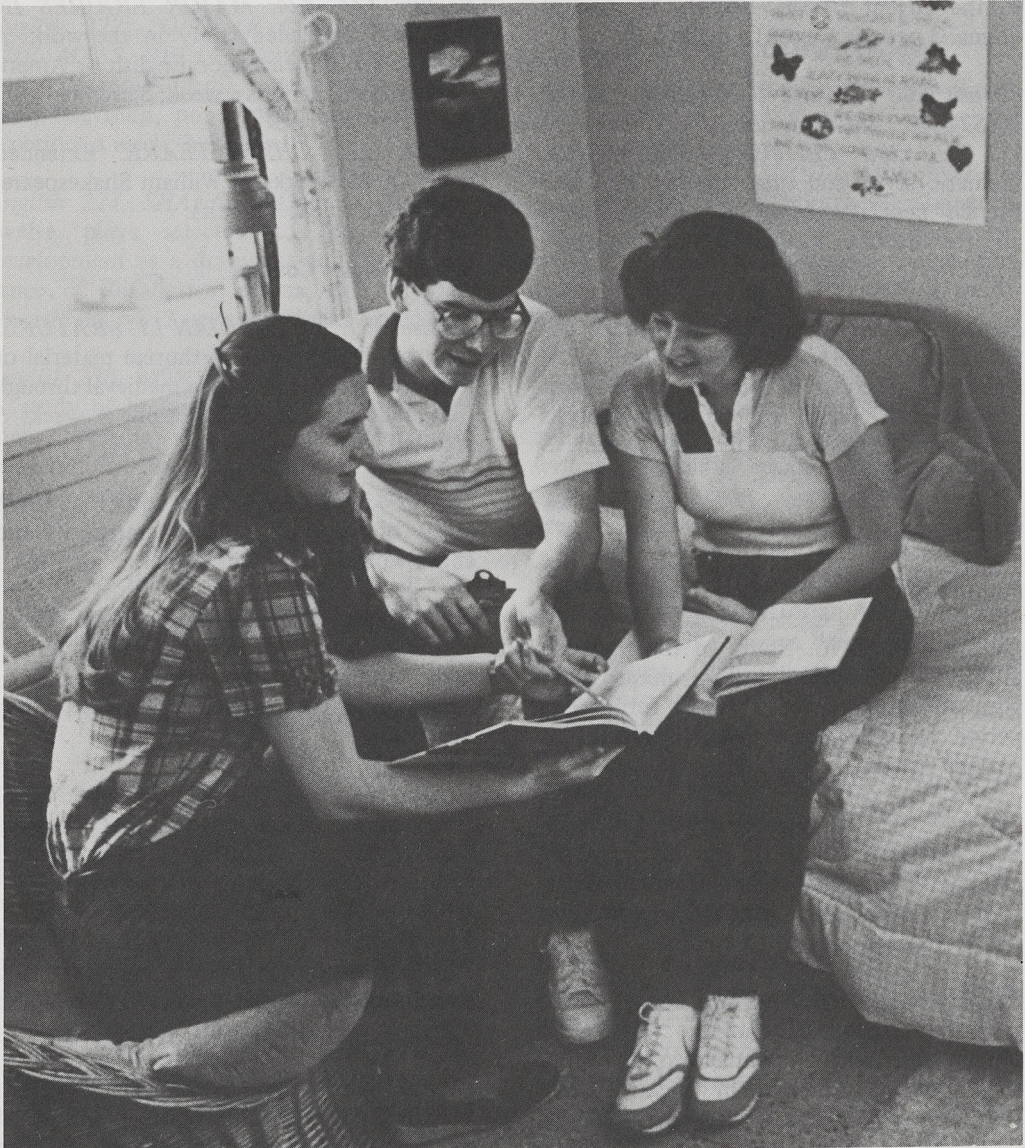
*English 462. LITERARY CRITICISM.* Study of the history and aims of literary criticism from Plato and Aristotle to the present. 3 periods a week; 3 credits.

*English 480. THE TEACHING OF ENGLISH.* A study of current practices with emphasis on specific techniques and materials. Prerequisite: appearing before the English Pre-Teaching Committee. 3 periods a week; 3 credits.

*English 483. TEACHING WRITING: THEORY AND PRACTICE.* A study of writing

and of specific techniques and materials for teaching the writing process. Also considers diagnostic testing, teaching usage, a review of textbooks, the use of writing to teach other subjects, and the evaluation of written work. 3 periods a week; 3 credits.

*English 490, 491. 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. 1-3 credits per semester.





# French

See Department of English, Philosophy, and Foreign Languages

## FOREIGN LANGUAGES PROGRAM, B.A. DEGREE

The Foreign Languages program offers courses in French, German, and Spanish. The major in Foreign Languages requires a concentration in one of these three languages (24 hours beyond intermediate) and a second foreign language (12 hours beyond intermediate). The 24 hours in the concentration must include courses numbered 341, 342, 401, 402, and 12 additional hours. Courses number 341, 342 are prerequisite to other literature courses in the language.

Students preparing to teach must take 36 semester hours of a modern foreign language, including courses in advanced grammar and composition, conversation, culture and civilization, literature, applied linguistics, and methods. Second language certification requires 24 semester hours (at least 12 of which must be beyond intermediate level). Advanced placement reduces proportionately the number of hours required by the Commonwealth of Virginia for certification.

Study abroad programs – recommended for majors, minors and other interested students – are available for Longwood credit in cooperation with the University of Toulouse (French), the Goethe Institute (German), and the University of Madrid (Spanish). A student who plans to take courses abroad for credit should submit to the head of the department and to the Assistant Dean of the College – well in advance of the dates of study – a written statement describing the plan under which the student expects to study.

Supporting courses are recommended in the other humanities. Greek and Latin may be taken at Hampden-Sydney College.

### Requirements for the Degree

#### *General Education*

Art, Music, or Theatre/6 credits

English 100, 101/6 credits

Foreign Language (200 level)/  
3 credits

Literature, Philosophy or

Religion/3 credits

History 121 or 122/3 credits

Social Science/9 credits

Biological Science/4 credits

Physical Science/4 credits

Mathematics/6 credits

Health Education 100/1 credit

Physical Education Activity

Courses/3 credits

TOTAL/51 credits

#### *French Concentration*

French 230/3 credits

French 341, 342/6 credits

French 401/3 credits

French 402/3 credits

One 400-level literature course/3 credits

French electives/6 credits

TOTAL/24 credits

French 100 and 110 may be by-passed totally  
or in part by advanced placement.

12 hours at 200-level or above in German,  
Spanish, Latin, or Greek.

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

Methods (French, German, Spanish)

400/3 credits

Psychology 250/3 credits

Education 455/3 credits

Education 402, 480, 482, 484, 486,

488/18 credits

TOTAL/27 credits



## MINOR IN FOREIGN LANGUAGES

*Requirements: 18 hours in French, 15 of which must be at the 200-level or above, to include:*

French 230, or 341, or 342/6 credits      Electives/9 credits

one 400-level course (except French 400)      TOTAL/18 credits

### **FRENCH (27)**

NOTE: A student who has successfully completed a course numbered 200 or higher may not take a 100-level course for credit.

*French 100. BASIC I.* An elementary French course stressing the skills of listening, speaking, reading, and writing the language. No credit is given to a student with more than two years of high school French. 3 class periods, 1 drill session, and 1 lab session per week; 4 credits.

*French 110. BASIC II.* A second-semester French course stressing the skills of listening, speaking, reading, and writing the language. Prerequisite: French 100 or 2 years of recent high school French OR departmental exam. 3 class periods, 1 drill session, and 1 lab session per week; 4 credits.

*French 120. BASIC TRANSLATION.* A basic course in the technique of translation for the career-oriented student. Materials chosen will be taken from the fields of advertising, biology, and business. Particularly recommended for majors in business and pre-nursing. Individualized instruction. Minimum requirement: two years of high school French. 3 periods a week; 3 credits.

*French 200. READING AND COMPOSITION.* A second-year skills course with special emphasis on reading, writing, and translation. Prerequisite: 110 or departmental exam. 3 periods a week; 3 credits.

*French 210. CONVERSATION.* A second-year skills course with special emphasis on listening and speaking. Prerequisite: 110 or departmental exam. 3 periods a week; 3 credits.

*French 220. CONTEMPORARY FRANCE.* Intensive preparation in French language and culture, of special value to students planning to travel and study abroad. The French educational system, family structure,

social mores and current political situation. Intense exposure to language and grammar for linguistic fluency. Prerequisite: French 110 or higher or departmental exam; 3 periods a week; 3 credits.

*French 230. CIVILIZATION AND CULTURE.* A study of French civilization and culture, with emphasis on social institutions of the current century. Prerequisite: 200 or 210 or departmental exam. 3 periods a week; 3 credits.

*French 311, 312. FRENCH STUDIES ABROAD.* Primarily intended for transfer of credit earned abroad in courses on French language, civilization, or culture. 6 credits maximum.

*French 341, 342. A SURVEY OF FRENCH LITERATURE.* A study of the major movements through representative works. Students will learn to use the methods and language of literary analysis. 3341: Origins through the Eighteenth Century. 342: Nineteenth and Twentieth Centuries. Prerequisite: two courses at the 200-level or departmental exam. 3 periods a week; 3 credits.

*French 400. METHODS OF TEACHING FRENCH: THEORY AND PRACTICE.* Recommended to be taken in the semester prior to student teaching. 3 periods a week; 3 credits.

*French 401. ADVANCED GRAMMAR AND COMPOSITION.* Syntax and grammar through written work. 3 periods a week; 3 credits.

*French 402. ADVANCED CONVERSATION AND PHONETICS.* Theory and practice in the spoken language. Current techniques and their uses in attaining mastery of oral French. 3 periods a week; 3 credits.

*French 411, 412. STUDIES IN LITERARY GENRE.* Study of a particular genre in French literature, such as the *Nouveau Roman*, short story, romantic theater, sym-

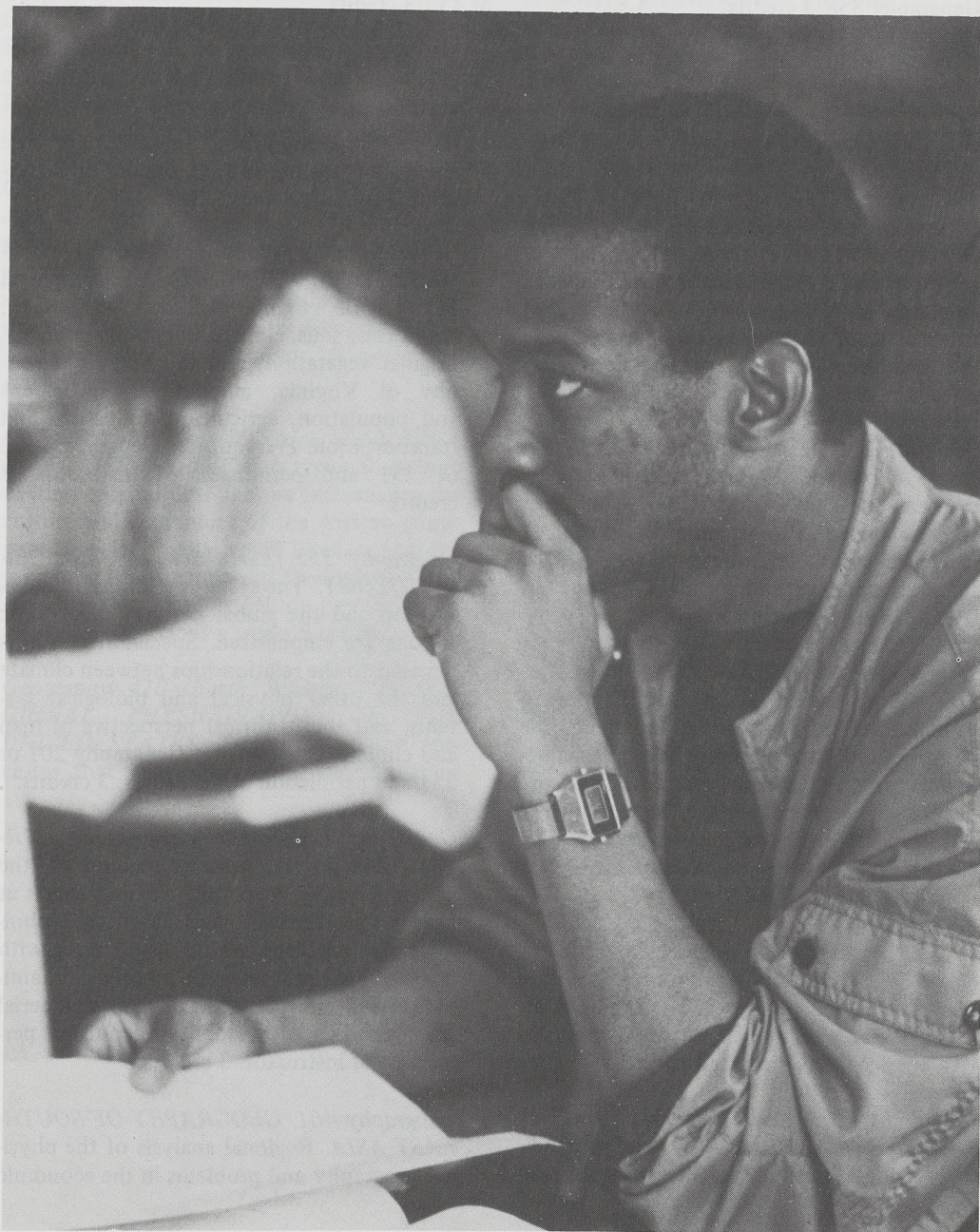


bolist poetry. Prerequisite: French 341 and 342. 3 periods a week; 3 credits.

*French 413, 414. FRENCH LITERARY MOVEMENTS.* Study of a particular movement or period in French literature, such as Realism, Neo-classicism, Naturalism, Surrealism, Existentialism. Prerequisite: French 241 and 342. 3 periods a week; 3 credits.

*French 415, 416. MAJOR FRENCH AUTHORS.* Study of a particular author of French literature, such as Montaigne, Sartre, Hugo, Voltaire, Valéry. Prerequisite: French 341 and 342. 3 periods a week; 3 credits.

*French 490, 491. DIRECTED STUDY.* Individualized study; recommended only when material cannot be covered in scheduled courses. By permission of department head. 6 credits maximum.





# Geography

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See Department of Natural Sciences

## GEOGRAPHY MINOR

Students interested in pursuing a geography minor should contact the director of the earth science program. The minor must include:

Geography 201/3 credits  
Geography 358/3 credits  
Geography 241, 242, 444, or  
450/3 credits

Geography 353, 401, 402, 404, 405,  
or 453/3 credits  
Geography elective/3 credits  
TOTAL/18 credits

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### GEOGRAPHY (29)

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*Geography 201. BASIC ELEMENTS OF GEOGRAPHY.* The scope and nature of geographic philosophies are treated. Special emphasis 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.

*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, settlement patterns, racial stocks, economics, and population characteristics. 3 periods a week; 3 credits.

*Geography 242. ECONOMIC GEOGRAPHY.* Relation of geographic factors to economic conditions in determining the nature and location of the several productive occupations and the distribution of the output of these occupations, including their transportation and marketing. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits.

*Geography 251 (Earth Science 251). METEOROLOGY.* A study of basic weather phenomena and processes. The origin of air masses, source regions, and frontal zones are treated. 3 periods a week; 3 credits.

*Geography 252 (Earth Science 252). PHYSICAL GEOGRAPHY.* A systematic study of pedology, hydrology, plant geography and

their interrelationships. Included are case studies of human impacts on the earth systems. 3 periods a week; 3 credits.

*Geography 353 (Earth Science 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 251 and permission of instructor. 3 credits.

*Geography 355 (Earth Science 355). CLIMATOLOGY.* The systems of climatic classification and the global patterns of climatic regions are emphasized. Special attention is devoted to the relationships between climate and the other physical and biological systems, and the historical perspective of man and climate. Prerequisite: Geography 201 or 251 and permission of instructor. 3 credits.

*Geography 358 (Earth Science 358). CARTOGRAPHY.* Emphasis is focused on the construction of maps, figures, and charts at the pre-professional level. Modern techniques and processes are discussed along with conventional pen and ink methods. Examination and interpretation of maps and aerial photographs are included. Prerequisite: permission of instructor. 3 credits.

*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 and permission of instructor. 3 periods a week; 3 credits.

*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.

*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.

*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.

*Geography 405. REGIONAL GEOGRAPHY OF MODERN AFRICA.* A regional analysis of the geographical factors influencing the culture and economics of the African continent. Special emphasis will be placed on the present state of economic development. Prerequisite: Geography 201 or permission of instructor. 3 periods a week; 3 credits.

*Geography 410 (Earth Science 410). REGIONAL PHYSIOGRAPHY OF THE UNITED STATES.* Treatment of the processes that have shaped the varied surface

features within the United States. Theories and concepts relating to geomorphic evolution in the major and minor physiographic divisions will be emphasized. Prerequisite: Geography 201 or Earth Science 252 or Earth Science 210. 3 credits.

*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.

*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.

*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.

*Geography 462. SPECIAL PROJECTS IN GEOGRAPHY.* Students will carry out study or research projects under supervision of an instructor. Prerequisite: permission of instructor. May be repeated as Geography 463 and 464. 1, 2, or 3 credits. six hours may be earned.



# German

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See Department of English, Philosophy and Foreign Languages

## FOREIGN LANGUAGES PROGRAM, B.A. DEGREE

The Foreign Languages program offers courses in French, German, and Spanish. The major in Foreign Languages requires a concentration in one of these three languages (24 hours beyond intermediate) and a second foreign language (12 hours beyond intermediate). The 24 hours in the concentration must include courses numbered 341, 342, 401, 402, and 12 additional hours. Courses numbered 341, 342 are prerequisite to other literature courses in the language.

Students preparing to teach must take 36 semester hours of a modern foreign language, including courses in advanced grammar and composition, conversation, culture and civilization, literature, applied linguistics, and methods. Second language certification requires 24 semester hours (at least 12 of which must be beyond the intermediate level). Advanced placement reduces proportionately the number of hours required by the Commonwealth of Virginia for certification.

Study abroad programs — recommended for majors, minors, and other interested students — are available for Longwood credit in cooperation with the University of Toulouse (French), the Goethe Institute (German), and the University of Madrid (Spanish). A student who plans to take courses for credit should submit to the head of the department and to the Assistant Dean of the College — well in advance of the dates of study — a written statement describing the plan under which the student expects to study.

Supporting courses are recommended in the other humanities. Greek and Latin may be taken at Hampden-Sydney College.

### Requirements for the Degree

#### *General Education*

Art, Music, or Theatre/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

Biological Science/4 credits

Physical Science/4 credits

Mathematics/6 credits

Health Education/100/1 credit

Physical Education Activity  
Courses/3 credits

TOTAL/51 credits

#### *German Concentration*

German 230/3 credits

German 341, 342/6 credits

German 401/3 credits

German 402/3 credits

One 400-level literature course/3 credits

German Electives/6 credits

TOTAL/24 credits

German 100 or 110 may be by-passed totally  
or in part by advanced placement.

12 hours at 200-level or above in French,  
Spanish, Latin, or Greek.

## MINOR IN FOREIGN LANGUAGES

*Requirements: 18 hours in German, 15 of which must be at the 200-level or above, to include:*

German 230, or 341, or

342/6 credits

One 400-level course (except German 400)

Electives/9 credits

TOTAL/18 credits



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## GERMAN (33)

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NOTE: A student who has successfully completed a course numbered 200 or higher may not take a 100-level course for credit.

*German 100. BASIC I.* An elementary German course stressing the skills of listening, speaking, reading, and writing the language. No credit is given to a student with more than two years of high school German. 3 class periods, 1 drill session, and 1 lab session per week; 4 credits.

*German 110. BASIC II.* A second-semester German course stressing the skills of listening, speaking, reading, and writing the language. Prerequisite: German 100 or 2 years of recent high school German OR departmental exam. 3 class periods, 1 drill session, and 1 lab session per week; 4 credits.

*German 200. READING AND COMPOSITION.* A second-year skills course with special emphasis on reading, writing, and translation. Prerequisite: 110 or departmental exam. 3 periods a week; 3 credits.

*German 210. CONVERSATION.* A second-year skills course with special emphasis on listening and speaking. Prerequisite: 100 or departmental exam. 3 periods a week; 3 credits.

*German 230. CIVILIZATION AND CULTURE.* A study of German civilization and culture, with emphasis on social institutions of the current century. Prerequisite: 200 or 210 or departmental exam. 3 periods a week; 3 credits.

*German 311, 312. GERMAN STUDIES ABROAD.* Primarily intended for transfer of credit earned abroad in courses on German language, civilization, or culture. 6 credits maximum.

*German 341, 342. A SURVEY OF GERMAN LITERATURE.* A study of major movements through representative works. Students will learn to use the methods and

language of literary analysis 341: Nineteenth Century. A survey of German literature from the Romantic period through Naturalism, with emphasis on the *Novelle* and lyric poetry. 342: Twentieth Century. Survey of German literature of the current century, with emphasis on dramatic and prose forms. Prerequisite: two courses at the 200-level or departmental exam.

*German 400. METHODS OF TEACHING GERMAN.* Theory and practice. Recommended to be taken in the semester prior to student teaching. 3 periods a week; 3 credits.

*German 401. ADVANCED GRAMMAR AND COMPOSITION.* Syntax and grammar through written work. 3 periods a week; 3 credits.

*German 402. ADVANCED CONVERSATION AND PHONETICS.* Theory and practice in the spoken language. Current techniques and their uses in attaining mastery of oral German. 3 periods a week; 3 credits.

*German 411, 412. STUDIES IN LITERARY GENRE.* Study of a particular genre in German literature, such as the *Novelle*, lyric poetry, the German novel, modern drama, short story. Prerequisite: German 341 and 342. 3 periods a week; 3 credits.

*German 413, 414. GERMAN LITERARY MOVEMENTS.* Study of a particular movement or period in German literature, such as Romanticism, the Age of Goethe, *Sturm and Drang*, Realism, Naturalism. Prerequisite: German 341 and 342. 3 periods a week; 3 credits.

*German 415, 416. MAJOR GERMAN AUTHORS.* Study of a particular German author such as Goethe, Schiller, Kleist, Kafka, Thomas Mann. Prerequisite: German 341 and 342. 3 periods a week; 3 credits.

*German 490, 491. DIRECTED STUDY.* Individualized study; recommended only when material cannot be covered in scheduled courses. By permission of department head. 6 credits maximum.



# Government

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See Department of History and Government

## GOVERNMENT MAJOR, B.A. DEGREE\*

### *General Education Requirements*

Art, Music, or Theatre/6 credits  
English 100, 101/6 credits  
Foreign Language (200-level)/3 credits  
Literature/3 credits  
Literature, Philosophy, or  
Religion/3 credits  
Economics/3 credits  
United States History/3 credits  
Social Science electives\*\*/6 credits  
Biological Science/4 credits  
Physical Science/4 credits  
Mathematics/6 credits  
Health Education 100/1 credit  
Physical Education Activity  
Courses/3 credits  
TOTAL/51 credits

### *Major Requirements*

History 111, 112/6 credits  
Government 215, 216/6 credits  
Government 230 or 355/3 credits  
Government 260/3 credits  
Government 331, 332/6 credits  
Government 343, 441, or 442/3 credits  
Government 335, 436, 437/3 credits  
Government 455/3 credits  
Government electives/9 credits  
TOTAL/42 credits

### *Courses required for Teaching Certification*

Social Science 300/3 credits  
Psychology 250/3 credits  
Education 455/3 credits  
Education 402, 480, 482, 484, 486,  
488/18 credits  
TOTAL/27 credits

\*Foreign language not required for the Bachelor of Science degree.

\*\*To be selected from departmental list approved by department head or major advisor.

## GOVERNMENT MAJOR, PRE-LAW CONCENTRATION, B.A. DEGREE\*

### *General Education Requirements*

Art, Music, or Theatre/6 credits  
English 100, 101/6 credits  
Foreign Language (200-level)/3 credits  
Literature/3 credits  
Philosophy/3 credits  
Economics/3 credits  
History 121/3 credits  
Sociology 101/3 credits  
Social Science elective/3 credits  
Biological Science/4 credits  
Physical Science/4 credits  
Mathematics/6 credits  
Health Education/1 credit  
Physical Education Activity  
Courses/3 credits  
TOTAL/51 credits

### *Major Requirements*

Government 215, 216/6 credits  
Government 230/3 credits  
Government 331, 332/6 credits  
Government 355/3 credits  
Government 455/3 credits  
Government electives/9 credits  
History 111, 112/6 credits  
History 122/3 credits  
History 310/3 credits  
History 357/3 credits  
Psychology 131/3 credits  
Business 240/3 credits  
Computer Science 101/1 credit  
TOTAL/52 credits

\*Foreign language not required for Bachelor of Science degree.

See the section *General Education Requirements* in this catalog for specific restrictions.



## MINOR IN GOVERNMENT

The Minor in government consists of 18 credits. Government 215 and 216 are required. The remaining twelve hours must be selected from departmental offerings after consultation with a departmental advisor.

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### GOVERNMENT (35)

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*Government 201. INTRODUCTION TO POLITICAL SCIENCE.* An introduction to fundamental political concepts, principles, and institutions. 3 periods a week; 3 credits.

*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 problem common to democratic societies. 3 periods a week; 3 credits.

*Government 215, 216. AMERICAN GOVERNMENT.* (Government 215 — Federal; Government 216 — State and Local) A study of American political institutions and processes, and of related current issues and problems. 3 periods a week; 3 credits.

*Government 230. ADMINISTRATION OF CRIMINAL JUSTICE.* Survey of the operations of institutions which compose our system for administering criminal justice, including police administration, premises and politics of court procedures and management, and corrections. 3 periods a week; 3 credits.

*Government 260. PUBLIC ADMINISTRATION.* Survey of the premises and issues of public bureaucracies, and of principal activities of policy administrators, including personnel management, budgeting, decision-making, intergovernmental relations, and relations with courts, elected officials, and private organizations. 3 periods a week; 3 credits.

*Government 331. POLITICAL PHILOSOPHY.* Survey of the principal political theories and philosophies from ancient Greece through the Middle Ages, including the contributions of Plato, Aristotle, Cicero, St. Augustine, and St. Thomas Aquinas. 3 periods a week; 3 credits.

*Government 331H. POLITICAL PHILOSOPHY.* Honors section of Government 331. Intensive study of ancient and medieval political philosophy. Open to qualified students. 3 periods a week; 3 credits.

*Government 332. POLITICAL PHILOSOPHY.* Survey of modern political theories and philosophies, including the contributions of Machiavelli, Hobbes, Locke, Rousseau, Burke, and Marx. 3 periods a week; 3 credits.

*Government 335. COMPARATIVE POLITICS: WESTERN EUROPE AND SOVIET UNION.* A study of the institutions and processes of the political systems of England, France, West Germany, and the Soviet Union. 3 periods a week; 3 credits.

*Government 341, 342. AMERICAN POLITICAL THOUGHT.* (Government 341 — to the Civil War; Government 342 — 1860 to the present) An introduction to the principal thinkers and the central themes in American political thought. 3 periods a week; 3 credits.

*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.

*Government 350. THE AMERICAN PRESIDENCY.* The modern presidency and its role in contemporary politics, emphasizing the constitutional background of the office, the evolution of presidential powers, relationships between the presidency and the Congress and bureaucracy, the presidential election process, and the role of the presidency in policy-making. 3 periods a week; 3 credits.

*Government 355. CONSTITUTIONAL RIGHTS AND LIBERTIES.* Study of prominent principles, issues, and practices con-



cerning government — private individual relations, with emphasis upon freedoms of speech, press, and assembly, criminal procedure, and problems of equal protection. Extensive use of Supreme Court decisions. 3 periods a week; 3 credits.

*Government 360. POLITICAL PARTIES.* Comparison of two-party systems with one-party and multi-party systems around the world; study of the nature, advantages, and disadvantages of political party systems, with an emphasis upon the development of the two-party system in the U.S. 3 periods a week; 3 credits.

*Government 436. SOVIET UNION AND EASTERN EUROPEAN GOVERNMENT AND POLITICS.* A study of the institutions and processes of the political systems of the Soviet Union and eastern European countries. 3 periods a week; 3 credits.

*Government 437. ASIAN GOVERNMENTS AND POLITICS.* A study of the political systems and foreign policies of the major Asian powers, with emphasis upon Communist China and Japan. 3 periods a week; 3 credits.

*Government 441. INTERNATIONAL RELATIONS.* Study of the factors conditioning international politics, with emphasis upon the foreign policies of major powers. 3 periods a week; 3 credits.

*Government 442. INTERNATIONAL LAW AND ORGANIZATIONS.* A study of international law & organizations, with emphasis upon the principles of international law, the

structure & policies of the United Nations, and the role of both. 3 periods a week; 3 credits.

*Government 455 (History 455). CONSTITUTIONAL HISTORY OF THE UNITED STATES.* An examination of the Articles of Confederation followed by a study of the writing, ratification, and continuing interpretation of the Constitution of 1787. 3 periods a week; 3 credits.

*Government 460, 461, 462. GOVERNMENT SEMINAR.* Open to juniors and seniors. Offered on demand; 1 period a week; 1 credit.

*Government 469 (History 469). SOVIET DIPLOMACY.* An analysis of the diplomacy and foreign policy of Soviet Russia, 1917 to the present, with emphasis upon the political machinery and motivating forces which determine foreign policy. 3 periods a week; 3 credits.

*Government 490, 491. GOVERNMENT SEMINAR.* Open to juniors and seniors; offered on demand. 3 periods a week; 3 credits.

*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 qualified juniors and seniors. Prerequisite: Government 215, 216; and 341 or 342. 16 credits.





# Health

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See Department of Physical Education, Health and Recreation

## HEALTH (37)

*Health Education 100. INTRODUCTION TO HEALTH AWARENESS.* A survey course of health issues affecting one's personal health, stressing the analyzation of one's own behaviors and attitudes and making informed health decisions. 1 credit.

*Health Education 211. DRUGS, ALCOHOL AND TOBACCO.* An indepth examination of drug use and abuse in today's society. Emphasis is placed upon enabling the individual to make intelligent choices concerning these substances based upon scientific research and evidence. 3 credits.

*Health Education 212. HUMAN SEXUALITY.* The biological, psychological, cultural and behavioral aspects of sexuality. Emphasis is placed upon providing the individual with practical and meaningful information pertaining to human sexuality and family life while encouraging the development of responsible sexual behaviors and attitudes. 2 credits.

*Health Education 235. NUTRITION, FITNESS AND WEIGHT CONTROL.* A study of sound eating practices, exercise and weight control values, basic fitness concepts and their application, and motivational techniques for maintaining one's weight and improving fitness throughout life. 3 credits.

*Health Education 260. FIRST AID.* ARC course in emergency care and first aid. 3 credits.

*Health Education 301. DRIVER EDUCA-*

*TION.* Classroom instruction and supervised experience in teaching practice driving. Prerequisite: valid Virginia driver's license and driving experience. 3 credits.

*Health Education 302. SAFETY EDUCATION.* Concepts and theories of accident prevention, particularly as they relate to the use of the highways. 3 credits.

*Health Education 345. SELECTED HEALTH TOPICS.* An indepth examination of timely health issues which have physical, psychological and sociological implications for one's overall health status such as stress and stress management, aging, and death and dying. 3 credits.

*Health Education 365. METHODS AND MATERIALS IN HEALTH EDUCATION.* The philosophical basis for school health education, selection of health content, curriculum design, classroom teaching methods, selection and use of resource materials and evaluation techniques. This course is structured primarily for the physical education or therapeutic recreation major interested in an endorsement in health education. 3 credits.

*Health Education 366. COMMUNITY HEALTH.* Identification and analysis of significant issues and problems which challenge the community's health and the American health care system. 3 credits.

*Health 405. PRACTICUM.* Supervised experience in one or more of the following areas of the professional curriculum: teaching, coaching, communications and fitness specialist. 1-3 credits.



# Department of History and Government

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L. Marshall Hall, *Head*  
Pearl W. Agee, *Secretary*

The Department of History and Government offers in both fields major programs culminating in either the Bachelor of Arts or the Bachelor of Science degree. (While majors may pursue either degree, the department strongly recommends the Bachelor of Arts as the more appropriate of the two.) History majors may elect the optional concentration in historic preservation, and majors in both fields who are interested in careers in the law may elect the optional pre-law concentrations. Qualified government majors may also avail themselves of the Government Semester Internship, involving work in residence with the Virginia General Assembly for a complete session. Minor programs in both history and government are open to all students. Program requirements are listed below.

The major programs in history and government meet the Collegiate Professional certification requirements for teaching in Virginia. All majors seeking teaching certification, however, are urged to complete the additional course work necessary for a social science endorsement (for government majors: 18 credits in history, 6 credits in geography, and 6 credits in economics; for history majors: 12 credits in government, 6 credits in geography, and 6 credits in economics). Students seeking a separate endorsement in history or government must complete a three-credit course in basic economics. History and government majors may be required to complete a comprehensive departmental examination preceding the student teaching experience to demonstrate academic proficiency in major subjects. Prior to student teaching, majors in government must complete Government 215 and 216 with no less than a grade of "C" in each course, and majors in history must complete History 111, 112, 121, and 122 with no less than a grade of "C" in each course.

## Faculty

David S. Calihan, *Assistant Professor*  
Richard T. Couture, *Assistant Professor*  
James W. Crowl, *Associate Professor*  
Elizabeth W. Etheridge, *Professor*  
L. Marshall Hall, *Associate Professor and Head*

William R. Harbour, *Associate Professor*  
James M. Helms, Jr., *Professor*  
Gilbert J. Millar, *Professor*  
Maurice P. Sneller, *Professor*

## HISTORY MAJOR, B.A. DEGREE\*

### *General Education Requirements*

Art, Music, or Theatre/6 credits  
English 100, 101/6 credits  
Foreign Language (200-level)/3 credits  
Literature/3 credits  
Literature, Philosophy, or Religion/  
3 credits  
Social Science electives\*\*/12 credits  
Biological Science/4 credits  
Physical Science/4 credits  
Mathematics/6 credits  
Health Education 100/1 credit  
Physical Education Activity  
Courses/3 credits  
TOTAL/51 credits

\*\*To be selected in consultation with major advisor.

### *Major Requirements*

History 111, 112/6 credits  
History 121, 122/6 credits  
History electives (to be divided between  
American and non-American course  
work as specified by department re-  
quirements)/24 credits  
TOTAL/36 credits

### *Professional Requirements for Teaching Certification*

Social Science 300/3 credits  
Psychology 250/3 credits  
Education 455/3 credits  
Education 402, 480, 482, 484, 486,  
488/18 credits  
TOTAL/27 credits



## HISTORY MAJOR, HISTORIC PRESERVATION CONCENTRATION, B.A. DEGREE\*

### *General Education Requirements*

Art/6 credits  
 English 100, 101/6 credits  
 Foreign Language/3 credits  
 Literature/3 credits  
 Literature, Philosophy, or Religion/  
     3 credits  
 Geography/3 credits  
 History 121/3 credits  
 Social Science electives/6 credits  
 Biological Science/4 credits  
 Physical Science/4 credits  
 Mathematics/6 credits  
 Health Education 100/1 credit  
 Physical Education Activity  
     Courses/3 credits  
 TOTAL/51 credits

### *Major Requirements*

History 111, 112/6 credits  
 History 122/3 credits  
 History 301/3 credits  
 History 404, 405/6 credits  
 History 309, 310/6 credits  
 History 315/3 credits  
 History electives/6 credits  
 Anthropology 310/3 credits  
 Anthropology 320/3 credits  
 Anthropology 495/6 credits  
 Art 155/3 credits  
 Art 368, 369/6 credits  
 TOTAL/54 credits\*\*

\*\*Does not include the Historic Preservation Internship (optional).

## HISTORY MAJOR, PRE-LAW CONCENTRATION, B.A. DEGREE\*\*

### *General Education Requirements*

Art, Music, or Theatre/6 credits  
 English 100, 101/6 credits  
 Foreign Language (200-level)/3 credits  
 Literature/3 credits  
 Philosophy/3 credits  
 Economics/3 credits  
 History 121/3 credits  
 Sociology 101/3 credits  
 Social Science elective/3 credits  
 Biological Science/4 credits  
 Physical Science/4 credits  
 Mathematics/6 credits  
 Health Education/1 credit  
 Physical Education Activity  
     Courses/3 credits  
 TOTAL/51 credits

### *Major Requirements*

History 111, 112/6 credits  
 History 122/3 credits  
 History 310/3 credits  
 History 357/3 credits  
 History 455/3 credits  
 History electives/9 credits  
 Government 215, 216/6 credits  
 Government 230/3 credits  
 Government 331, 332/6 credits  
 Government 355/3 credits  
 Psychology 131/3 credits  
 Business 240/3 credits  
 Computer Science 101/1 credit  
 TOTAL/52 credits

See the section *General Education Requirements* in this catalog for specific restrictions.

\*Foreign language not required for Bachelor of Science degree.



## MINOR IN HISTORY

The minor in history consists of 21 hours of courses selected from departmental offerings after consultation with a departmental advisor.

### HISTORY (40)

#### Introductory Courses

*History 111, 112. WESTERN CIVILIZATION.* An introduction to the development of Western Civilization. (History 111: The Dawn of Man to 1648; History 112: 1648 to Modern Times). 3 periods a week; 3 credits.

*History 111H. WESTERN CIVILIZATION (HONORS COURSE).* The rise of Greece to the end of the Middle Ages, ca. 1000 B.C. to ca. 1500 A.D. 3 periods a week; 3 credits.

*History 121, 122. UNITED STATES HISTORY.* An introductory course in United States history. (History 121: Colonial Foundations to the Civil War Era; History 122: Civil War Era to Modern Times). 3 periods a week; 3 credits.

#### European History

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

*History 352. RENAISSANCE AND REFORMATION.* The social, cultural, religious, economic, and political forces which shaped Western Civilization from the High Middle Ages through the era of the religious wars (ca. 1300-1648). Prerequisite: History 111 or permission of instructor. 3 periods a week; 3 credits.

*History 354. THE FRENCH REVOLUTION AND NAPOLEON.* A study of the origins and course of the French revolutionary era, with emphasis upon its profound political, economic, social, institutional, and intellectual significance. Prerequisite: History 112 or permission of instructor. 3 periods a week; 3 credits.

*History 355. EUROPE IN THE NINETEENTH CENTURY, 1815-1900.* The political, economic, social, and intellectual development of Europe from the Congress of Vienna to the turn of the century. Prerequisite: History 112 or permission of instructor. 3 periods a week; 3 credits.

*History 356. EUROPE IN THE TWENTIETH CENTURY, 1900 TO THE PRESENT.* The political, economic, social, and intellectual development of Europe in its world setting since the turn of the century. Prerequisite: History 112 or permission of instructor. 3 periods a week; 3 credits.

*History 357. ENGLAND BEFORE THE TUDORS, 55 B.C. TO 1485.* A study of the political, economic, and social factors which shaped England prior to the Reformation, with emphasis upon the Middle Ages. Prerequisite: History 111 or permission of instructor. 3 periods a week; 3 credits.

*History 359. RUSSIAN HISTORY TO 1894.* Russia from the Kievan period to Alexander III, with emphasis upon the modernization efforts of Peter the Great and Catherine the Great, the reforms of Alexander II, and the 19th century revolutionary movement. 3 periods a week; 3 credits.

*History 360. RUSSIAN HISTORY SINCE 1894.* Russia from the reign of Nicholas II to the present, with emphasis upon the factors leading to the collapse of the monarchy and the revolutions of 1905 and 1917, and upon the subsequent construction and evolution of the Soviet system. Little emphasis upon diplomacy or foreign policy. 3 periods a week; 3 credits.

*History 463. EUROPEAN HISTORIOGRAPHY.* The writing and interpretation of history in Europe since the Renaissance. Prerequisite: History 112 or permission of instructor. 3 periods a week; 3 credits.

*History 465. TUDOR-STUART ENGLAND,*



1485-1714. The social, political, economic, and religious forces of one of England's most dynamic periods examined in the context of the 16th century Renaissance and the 17th century intellectual Revolution. Research paper or critical book analyses required. Background in Western Civilization recommended. 3 periods a week; 3 credits.

*History 466. GEORGIAN ENGLAND, 1714-1815.* England in the 18th century, with emphasis upon political, social, and cultural trends. Topical reports by students. Prerequisite: History 112 or permission of instructor. 3 periods a week; 3 credits.

*History 469 (Government 469). SOVIET DIPLOMACY.* An analysis of the diplomacy and foreign policy of Soviet Russia, 1917 to present, with emphasis upon the political machinery and motivating forces which determine foreign policy. 3 periods a week; 3 credits.

### American History

*History 301. AMERICAN COLONIAL HISTORY.* The English North American colonies from 1607 to 1783, with emphasis upon settlement, fundamental aspects of colonial development, and the causes, course, and results of the American Revolution. Prerequisite: History 121 or permission of instructor. 3 periods a week; 3 credits.

*History 302. THE EARLY NATIONAL PERIOD OF THE UNITED STATES.* The United States from the adoption of the Constitution of 1787 through the Mexican War. Political institutions and practice, economic growth, reform movements, and westward expansion are emphasized. Prerequisite: History 121 or permission of instructor. 3 periods a week; 3 credits.

*History 303. CIVIL WAR AND RECONSTRUCTION.* The United States from the close of the Mexican War to the Compromise of 1877. The constitutional, political, economic, and social (as opposed to military) aspects of the period are emphasized. Prerequisite: History 121 or permission of instructor. 3 periods a week; 3 credits.

*History 304. THE EMERGENCE OF MODERN AMERICA.* The United States from

the Compromise of 1877 to the First World War. The Industrial Revolution and its consequences, the rise of the nation to world power, and the birth of modern reformism are emphasized. Prerequisite: History 122 or permission of instructor. 3 periods a week; 3 credits.

*History 305. MODERN AMERICA.* The United States from the First World War to the present. Prerequisite: History 122 or permission of instructor. 3 periods a week; 3 credits.

*History 307. UNITED STATES DIPLOMATIC HISTORY TO 1898.* American foreign relations from the Revolutionary era to the Spanish-American War. Prerequisite: History 121. 3 periods a week; 3 credits.

*History 308. UNITED STATES DIPLOMATIC HISTORY FROM 1898.* American foreign relations and diplomatic activities from the Spanish-American War to the present. Prerequisite: History 122 or permission of instructor. 3 periods a week; 3 credits.

*History 309. AMERICAN SOCIAL AND INTELLECTUAL HISTORY.* The major developments in American thought and culture from the Colonial era through the Civil War. Puritanism, the Enlightenment, and the Romantic Movement are emphasized. Prerequisite: History 121 or permission of instructor. 3 periods a week; 3 credits.

*History 310. AMERICAN SOCIAL AND INTELLECTUAL HISTORY.* The major developments in American thought and culture since the Civil War. Social Darwinism, liberal reform and conservative reaction, the affluent society, and the counter culture are emphasized. Prerequisite: History 121 or permission of instructor. 3 periods a week; 3 credits.

*History 311. THE HISTORY OF WOMEN IN AMERICA.* The changing role of women in American life from the Colonial era to the present, contrasting the ideology of women's place in society with the reality of their lives. The Victorians, the fight for women's suffrage, and the 20th century liberation movement are emphasized. Prerequisite: History 122 or permission of instructor. 3 periods a week; 3 credits.



*History 312. THE AMERICAN WEST.* The trans-Mississippi West with emphasis on 19th century exploration and settlement, including the Indian barrier, and the mining, cattle, and farming frontiers. Prerequisite: History 122 or permission of instructor. 3 periods a week; 3 credits.

*History 314. ECONOMIC HISTORY OF THE UNITED STATES.* The economic development of the United States from the late 19th century to the present. Prerequisite: History 122 or permission of instructor. 3 periods a week; 3 credits.

*History 315. INTRODUCTION TO HISTORIC PRESERVATION.* The evolution of architectural styles in the United States from the Colonial Era to the early 20th century, with emphasis upon the principal periods of architectural development, the major architects and undertakers, and the basic technique and terminology of historic preservation. Prerequisite: History 121 and 122. 3 periods a week; 3 credits.

*History 402. AMERICAN HISTORIOGRAPHY.* The writing and interpretation of American history from colonial times to the present. Recommended for history majors. Prerequisite: History 121 and 122. 3 periods a week; 3 credits.

*History 404. VIRGINIA HISTORY.* Survey of the political development of Virginia from 1607 to the 20th century. Prerequisite: History 121 and 122 or permission of instructor. 3 periods a week; 3 credits.

*History 405. VIRGINIA HISTORY.* Virginia social and cultural history with emphasis on teaching Virginia history in secondary and elementary schools. Field trips and research topics. Prerequisite: History 121 and 122 or permission of instructor. 3 periods a week; 3 credits.

*History 406. THE OLD SOUTH.* The basic political, economic, social, and intellectual institutions, forces, and problems which collectively shaped the antebellum South. Prerequisite: History 121 or permission of instructor. 3 periods a week; 3 credits.

*History 455 (Government 455). CONSTITUTIONAL HISTORY OF THE UNITED STATES.* An examination of the Articles of Confederation followed by a study of the writing, ratification, and continuing interpretation of the Constitution of 1787. 3 periods a week; 3 credits.

### Asian History

*History 335. HISTORY OF CHINA.* Chinese political and cultural history with emphasis upon the modern period. The impact of the West, the domestic crises, the reform movements, and the Republican and Communist revolutions are stressed. 3 periods a week; 3 credits.

*History 336. HISTORY OF JAPAN.* Japanese political and cultural history with emphasis upon the modern period. The opening of Japan, the Meiji Restoration, modernization, the rise of militarism, the American occupation, and current issues are stressed. 3 periods a week; 3 credits.

### Other Undergraduate History Courses

*History 400. SPECIAL TOPICS IN HISTORY.* Offered on demand. 3 periods a week; 3 credits.

*History 401. DIRECTED READING IN HISTORY.* Must be approved by head of the department. 2 credits.

*History 460, 461. HISTORY SEMINAR.* Offered on demand; open to junior and senior history majors. 1 period a week; 1 credit.

*History 490, 491. HISTORY SEMINAR.* Offered on demand; open to junior and senior history majors. 3 periods a week; 3 credits.

*History 495, 496, 497, 498, 499. INTERSHIPS IN HISTORIC PRESERVATION.* Open to qualified seniors in Historic Preservation Concentration. 495/3 credits; 496/6 credits; 497/9 credits; 498/12 credits; 499/15 credits.



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## SOCIAL SCIENCE (72)

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*Social Science 300. TEACHING HISTORY AND THE SOCIAL SCIENCES IN THE SECONDARY SCHOOL.* A study of the nature of disciplines from which content in the social sciences is drawn for instruction at the secondary level and of the relationship between the nature of these disciplines and the planning of instruction. Observation and participation in the work of selected secondary school classrooms is required. 3 periods a week; 3 credits.





# Department of Home Economics

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Marilyn W. Osborn, *Acting Head*  
Ruby I. Smith, *Secretary*

The Department of Home Economics (see NOTE) offers four instructional programs leading to a Bachelor of Science degree. Students may declare their preference based on personal interest, aptitude, and projected career plans. The department offers a major in Home Economics with concentrations in Home Economics Education, Fashion Merchandising, Food and Nutrition, or General Home Economics. Minors in the areas of Clothing and Textiles and Food and Nutrition are available to non-home economics majors. Students wishing to minor in either of these areas should consult with the head of the Department of Home Economics.

The Bachelor of Science degree with an option in Home Economics Education qualifies the student for the Virginia Collegiate Professional Certificate with endorsement to teach vocational home economics. Home Economics Education majors may also elect courses in career education which qualify them for certification in occupational home economics. Home Economics students majoring in Home Economics Education must have a cumulative average of 2.0 and a 2.0 average in all major requirements with 128 hours of credit for graduation.

Fashion Merchandising, Food & Nutrition, and General Home Economics options qualify students for positions as home economists in business in the area of emphasis of the option. The General Home Economics option allows students 26 hours of electives which may be used to pursue a minor in an area to complement the major if so desired. These options require 126 hours of credit for graduation with a 2.0 cumulative average and a 2.0 average in all major requirements. Clothing construction courses require students to furnish their own tools and fabrics.

A two-year pre-dietetic curriculum is available to prepare students for transfer to a four-year program. Upon successful completion of this program, students may apply to Virginia Polytechnic Institute and State University. (Students may also apply to other four-year dietetic programs.) After completion of the four-year program, students may apply for a dietetic internship approved by the American Dietetic Association. Students with an excellent academic record may apply for the Coordinated Undergraduate Program at VPI&SU.

Completion of the requirements of the Longwood pre-dietetic curriculum does not automatically guarantee admission to VPI&SU (or any other four-year program). Students seeking admission to a four-year dietetic program must meet the admission requirements of the school to which they are applying. Students interested in transferring to VPI&SU should contact: Chairman, Department of Human Nutrition & Foods, Virginia Polytechnic Institute and State University, Blacksburg, VA 24060.

Students should consult semester class scheduled relative to course offerings for alternate years. Scheduling and sequencing of courses will be done with the assistance of students' academic advisors. However, the student is ultimately responsible for meeting graduation requirements.

**NOTE: The department is to be discontinued; will admit no new students.**

## Faculty

Melinda I. Fowlkes, *Assistant Professor*  
Eva Jane McCreary, *Associate Professor*

Marilyn W. Osborn, *Assistant Professor and  
Acting Head*



## HOME ECONOMICS MAJOR, B.S. DEGREE

*General Education Requirements  
for ALL Home Economics Majors*  
(see each specific option in Home  
Economics for remaining general  
education requirements)

English 100, 101/6 credits

Literature/6 credits

Art 120/3 credits

History 121 or 122/3 credits

Chemistry 101/4 credits

Health Education 100/1 credit

Physical Education Activity

Courses/3 credits

TOTAL/23 credits

*Major Requirements for ALL*

*Home Economics Majors*

(see each specific option in Home  
Economics for remaining major  
requirements)

Home Economics 100/1 credit

Home Economics 101/3 credits

Home Economics 243\*/3 credits

Home Economics 306\*/4 credits

Home Economics 441\*/4 credits

Home Economics 491\*/2 credits

TOTAL/17 credits

\*Prerequisite(s) required and/or  
recommended.

**NOTE:** The department is to be discontinued; will admit no new students.

### OPTION I – FASHION MERCHANDISING EMPHASIS

*Additional General Education  
Requirements*

Art 221/3 credits

Psychology 131/3 credits

Economics/3 credits

Social Science electives/6 credits

Biological Science/4 credits

Mathematics or Computer Science  
electives/6 credits

TOTAL/25 credits

*Additional Major Requirements*

Home Economics 124/3 credits

Home Economics 133 or 235\*/3 credits

Home Economics 320/3 credits

Home Economics 321/3 credits

Home Economics 324\*/3 credits

Home Economics 225\*, 325\* or 424\*/  
3 credits

Home Economics 347/3 credits

Home Economics 348/3 credits

Business 190/3 credits

Business 240/3 credits

Business 360/3 credits

Business 380/3 credits

Business 383/3 credits

Business 480/3 credits

English 210/3 credits

Speech 101/3 credits

TOTAL/48 credits



## OPTION II – FOOD & NUTRITION

### *Additional General Education Requirements*

Psychology 131/3 credits  
Art, Music or Theatre/3 credits  
Government 215 or 216/3 credits  
Economics/3 credits  
Sociology 101/3 credits  
Biology 309/4 credits  
Mathematics 111 or 161\*/3 credits  
Mathematics 113 or 162\*/3 credits  
TOTAL/25 credits

### *Additional Major Requirements*

Home Economics 133/3 credits  
Home Economics 134\*/3 credits  
Home Economics 235\*/3 credits  
Home Economics 356/3 credits  
Home Economics 430\*/3 credits  
Home Economics 431\* or 434\*/4 cr 3 credits  
Home Economics 433/3 credits  
Biology 206, 207/8 credits  
Business 240/3 credits  
Chemistry 102/4 credits  
Chemistry 205/4 credits  
Chemistry 312\*/4 credits  
Speech 101/3 credits  
TOTAL/47 or 48 credits

\*Prerequisites required and/or recommended.

### *Business Electives*

(one course is required from the following)

Business 360/3 credits  
Business 291/3 credits  
Business 241/3 credits  
Business 365/3 credits  
Business 480/3 credits  
TOTAL/3 credits

Electives/10 or 11 credits

## OPTION III – GENERAL HOME ECONOMICS

### *Additional General Education Requirements*

Art, Music or Theatre/3 credits  
Humanities elective/3 credits  
Economics/3 credits  
Biological Science/4 credits  
Mathematics or Computer Science/  
6 credits  
Social Science electives/6 credits  
TOTAL/25 credits

Electives/10 or 11 credits

### *Additional Major Requirements*

Home Economics 124/3 credits  
Home Economics 133/3 credits  
Home Economics 134\*/3 credits  
Home Economics 225, 325 or 424/3 credits  
Home Economics 235\*/3 credits  
Home Economics 347\*/3 credits  
Home Economics 356/3 credits  
Home Economics 401/2 credits  
Business Electives/6 credits  
Speech 101/3 credits  
TOTAL/35 credits

See the section *General Education Requirements*, in this catalog, for specific restrictions.



## OPTION IV – HOME ECONOMICS EDUCATION

### *Additional General Education Requirements*

Art, Music or Theatre elective/3 credits  
Humanities elective/3 credits  
Economics 210/3 credits  
Social Science electives/6 credits  
Biology 101/4 credits  
Mathematics 111, 112 or 161/3 credits  
Mathematics 114 or 162/3 credits  
TOTAL/25 credits

### *Additional Major Requirements*

Home Economics 124/3 credits  
Home Economics 133/3 credits  
Home Economics 134\*/3 credits  
Home Economics 235\*/3 credits  
Home Economics 225, 325 or 424/  
3 credits  
Home Economics 347/3 credits  
Home Economics 348/3 credits  
Home Economics 356, 357\*/6 credits  
Home Economics 451/3 credits  
TOTAL/30 credits

### *Professional Teaching Requirements*

Psychology 250/3 credits  
Education 402/10 credits  
Education 480, 482, 484, 486, 488/8 credits  
TOTAL/21 credits

Electives/12 credits

Suggested elective: Home Economics  
359/10 credits

Students wishing certification in occupational home economics must complete 1,000 hours of supervised work experience in a selected area of occupational home economics.

\*Prerequisites required and/or recommended

## PRE-DIETETIC CURRICULUM

The Department of Home Economics suggests the following two-year curriculum for those students who wish to transfer into a four-year dietetic program such as that at Virginia Polytechnic Institute and State University. Completion of the suggested pre-dietetic curriculum does not guarantee admission to a four-year program. Students interested in transferring should seek early advisement from the school to which they intend to apply.

### *First Year*

English 100, 101/6 credits  
Mathematics 161 or 162\*/3 credits  
Mathematics 162 or 164/3 credits  
Chemistry 101, 102/8 credits  
Home Economics 133, 134/6 credits  
History 121 or 122/3 credits  
Speech 101/3 credits

### *Second Year*

Biology 206, 207/8 credits  
Chemistry 205/4 credits  
Chemistry 312\*/3 credits  
Biology 309/4 credits  
Psychology 131/3 credits  
Government 215/3 credits  
Art 120/3 credits  
Home Economics 235\*/3 credits  
Sociology 101/3 credits  
TOTAL/66 credits

See the section *General Education Requirements*, in this catalog, for specific restrictions.



## MINORS IN HOME ECONOMICS

In order to complete a minor in one of the following areas of home economics, a non-home economics major must take 18 semester hours in the particular area chosen.

### Minor in Clothing & Textiles

(students must complete 6 hours as follows)

Home Economics 124/3 credits  
Home Economics 225/3 credits  
(12 hours must be chosen from the following)  
Home Economics 320/3 credits  
Home Economics 321/3 credits  
Home Economics 324\*/3 credits  
Home Economics 325\*/3 credits  
Home Economics 424\*/3 credits  
Home Economics 446\*/3 credits  
TOTAL/18 credits

### Minor in Food & Nutrition

(students must take 9 hours as follows)

Home Economics 133/3 credits  
Home Economics 134\*/3 credits  
Home Economics 235\*/3 credits  
(9 hours must be chosen from the following)  
Home Economics 430\*/3 credits  
Home Economics 431\*/3 credits  
Home Economics 432\*/3 credits  
Home Economics 433\*/3 credits  
Home Economics 434\*/3 credits  
TOTAL/18 credits

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## HOME ECONOMICS (42)

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*Home Economics 100. INTRODUCTION TO HOME ECONOMICS.* Survey of the field of home economics including the history, philosophy, career opportunities and trends. Required of all home economics freshmen majors and all transfer students who have elected the home economics major. 1 period a week; 1 credit. Spring.

*Home Economics 101. FAMILY DEVELOPMENT.* The continuing development of interpersonal relationships of family members throughout the life cycle. 3 periods a week; 3 credits. Fall.

*Home Economics 124. CONSUMER CLOTHING AND TEXTILES.* Introduction to textiles study with emphasis on selection, use, performance and care of textile products including clothing and furnishings. A study of physical, psychological, and aesthetic qualities of clothing selection. 3 periods a week; 3 credits. Fall.

*Home Economics 133. PRINCIPLES OF FOOD PREPARATION.* Application of scientific principles in the preparation of food. 2 single and 1 double periods a week; 3 credits. Fall.

*Home Economics 134. FOOD MANAGEMENT.* Planning and preparing food for

family meals. Consideration will be given to variation in family composition and income. Home Economics 133 recommended or consent of instructor. 2 single and 1 double periods a week; 3 credits. Spring.

*Home Economics 225. CLOTHING CONSTRUCTION.* Basic principles of clothing construction related to fabric, fit, and design of garment. Designed for students with limited or no background in this area. 1 single and 2 double periods a week; 3 credits. Spring.

*Home Economics 235. NUTRITION.* Principles of human nutrition; discussion of the essential nutrients. Chemistry 101 recommended. 3 single periods a week; 3 credits. Fall and Spring.

*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. Economics 202 recommended. 3 periods a week; 3 credits. Spring.



*Home Economics 305. PRE-SCHOOL CHILD.* A study of the development of the pre-school child and associate guidance and observation techniques. Laboratory work will take place in the Longwood Nursery School. 2 single and 1 double 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. Home Economics 101 or Psychology 131, 132, or 240 recommended, or consent of instructor. 3 single and 1 double periods a week; 4 credits. Fall and Spring.

*Home Economics 320. FASHION ANALYSIS.* In-depth analysis of the fashion movement with emphasis on the history of costume. A study of the designers influencing fashion today. 3 periods a week; 3 credits. Alternate years, Fall.

*Home Economics 321. FASHION MERCHANDISING FUNDAMENTALS.* An investigation of the different aspects of buying apparel and home furnishings for a retail organization. 3 periods a week; 3 credits. Alternate years, Spring.

*Home Economics 322. 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 324. ADVANCED TEXTILES.* Scientific testing of performance properties of textile products, including wearing apparel and household textiles. Prerequisite: Home Economics 124. 2 single and 1 double periods a week; 3 credits. Alternate years, Spring.

*Home Economics 325. PATTERN DESIGN AND CONSTRUCTION.* The understanding of the principles of flat pattern design. Ex-

perience in varying style features of commercial patterns. Intensive use of fitting and construction techniques in many types of clothing. Prerequisite: Home Economics 225 or consent of instructor. 1 single and 2 double periods a week; 3 credits. Alternate years, Spring.

*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. Fall.

*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. Spring.

*Home Economics 356. INSTRUCTIONAL STRATEGIES IN HOME ECONOMICS.* Development of competencies in applying the principles of learning in order to effectively select, develop, and utilize instructional techniques and materials for presentations in home economics. 3 single periods a week; 3 credits. Fall.

*Home Economics 357. TEACHING VOCATIONAL HOME ECONOMICS.* Development of competencies in planning for instruction and program development in vocational home economics. Resource selection and use, lesson planning, and student and program evaluation will be emphasized. Prerequisite: Home Economics 356. 3 single periods a week; 3 credits. Spring.

*Home Economics 358. INTERNSHIP IN COOPERATIVE EXTENSION SERVICE.* Supervised practical experience in the Cooperative Extension Service in a participating unit. This will include planning, implementing, and evaluating programs and activities relative to the needs of the particular unit. The student will be guided and evaluated by both the supervising Cooperative Extension Agent and the home economics faculty member directing the student. Must have consent of instructor and department head. 3-8 credits.

*Home Economics 359. INTERNSHIP IN*



**OCCUPATIONAL HOME ECONOMICS.** Supervised work experience in one selected area of occupational home economics. The student is encouraged to work in two or more jobs related to the area of occupational home economics for which endorsement is sought. One credit is equivalent to 100 hours of work; 1-10 credits. The student may elect this course more than once for a maximum of 10 credits.

*Home Economics 401. PARENTING.* The study of parent-child relationship with exploration of individual parent roles and various child rearing models. Prerequisite: Home Economics 306 or Psychology 240. 2 single periods a week; 2 credits. Spring.

*Home Economics 402. PARENT EDUCATION.* Parent education programs and techniques studied. Practical experience in parent education. Prerequisites: Home Economics 306 or Psychology 240. Corequisite: Home Economics 401. 1 single period a week; 1 credit. Spring.

*Home Economics 424. TAILORING.* A study of custom tailoring methods as applied to coats and suits. Construction of tailored garments. Prerequisite: Home Economics 225 or consent of instructor. 1 single and 2 double periods a week; 3 credits. Alternate years, Fall.

*Home Economics 428. INTERNSHIP IN CLOTHING OR TEXTILE INDUSTRY.* Practical experience in an area of clothing or textiles under the supervision of a member of the home economics faculty and an industry representative. Experience will be selected according to the type of industry and needs of the student. Must have consent of instructor. 8 credits.

*Home Economics 430. EXPERIMENTAL FOODS.* Scientific principles related to the structure and behavior of foods. Prerequisite: Chemistry 205 or consent of instructor. 2 single and a 3-hour lab periods a week; 3 credits. Alternate years, Spring.

*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 433. COMMUNITY NUTRITION.* Study of nutrition problems and programs designed to aid in the solution of these problems. Prerequisite: Home Economics 235. 3 single periods a week; 3 credits. Alternate years, Spring.

*Home Economics 434. DIET THERAPY.* The study of the causes and the treatment of nutritionally related diseases. Prerequisite: Home Economics 235. 3 single periods a week; 3 credits. Alternate years, Spring.

*Home Economics 436. INDEPENDENT INVESTIGATION IN FOOD SERVICE.* Design and execution of an independent laboratory problem in foods. Prerequisites: Chemistry 205, 312. One single and 1 triple periods a week; 2 credits.

*Home Economics 441. FAMILY RESOURCE MANAGEMENT.* The study and application of management principles related to daily living. Selected problems and experiences in individual and family resource management. 2 single and 2 double periods a week; 4 credits.

*Home Economics 446. INTERIOR DECORATING WORKSHOP.* Selected projects in furnishing the home, including furniture refinishing, upholstering, slip covering, draperies, and curtains. Additional expenses for materials involved. Prerequisite: Home Economics 225 or consent 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 124, 134, 306, and 356. 2 single and 2 double periods a week; 3 credits.

*Home Economics 452. CAREER EDUCATION IN HOME ECONOMICS.* Supervised



on-the-job work experiences in food 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 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.

*Home Economics 491. SEMINAR IN HOME ECONOMICS.* Intensive study and discussion of topics of interest in the field of home economics, including the presentation of a seminar paper. Only open to home economics majors with senior level or second semester junior level standing. Requirement of all home economics students. 2 single periods a week; 2 credits.

*DIRECTED STUDY IN HOME ECONOMICS.* For students qualified to pursue individual study in a specialized area of home economics. Approval of the head of the department is required. Offered on demand.

*Home Economics 405. The Family and Child Development.* 1-4 credits.

*Home Economics 425. Clothing and Textiles.* 1-4 credits.

*Home Economics 435. Food and Nutrition.* 1-4 credits.

*Home Economics 445. Housing, Furnishings and Equipment.* 1-4 credits.

*Home Economics 455. Home Economics Education.* 1-4 credits.

#### **For Graduates and Advanced Undergraduates**

*Home Economics 510. THE MODERN FAMILY.* A study of the modern family life. Emphasis is placed on the development stages in the life cycles of families. 3 credits.

*Home Economics 520. ADVANCED TAILORING.* A comparison of custom tailoring and trade methods used in making suite, coats, and costumes. Construction of tailored garments. Permission of instructor is 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.* 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 546. COMPETENCY-BASED EDUCATION IN HOME ECONOMICS.* The rationale, characteristics and principles of competency-based vocational education are studied. The major emphases are on identifying and improving critical teacher competencies, evaluating and enriching curricular materials, developing or improving instructional strategies as prescribed by the Vocational-Technical Consortium of States structuring and expanding the use of individualized learning modules and improving and expanding techniques for evaluation. 3 credits.

*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.



# Honors Courses: Arts and Sciences

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*Anthropology 103H. HUMAN LIFE IN THE PREHISTORIC WORLD.* An examination of the behavior and values likely to have been central to human groups in prehistoric times. The seminar approach will be employed with continual student dialog based on readings. Collections of stone tools and pottery sherds will be analyzed in class. 3 periods a week; 3 credits.

*Art 261H. HISTORY OF PRE-HISTORIC, ANCIENT AND MEDIEVAL ART IN THE WESTERN WORLD.* Four periods a week; 4 credits. Fall only.

*Art 262H. HISTORY OF ART 1300-1750 A.D.* Content includes Late Gothic-International Style; Flemish and Northern 15th Century; the Quattrocento; High Renaissance; mannerism; German 16th Century; Baroque-Italy, Germany and France; Rococo. Four periods a week; 4 credits. Spring only.

*Biology 103H. HONORS ZOOLOGY.* A study of the animal kingdom that integrates structural and functional aspects of organisms with their ability to survive in their particular environment. Three single and 1 double periods a week; 4 credits.

*English 100H. HONORS EXPOSITORY WRITING.* A seminar approach to the evaluation, composition, and presentation of expository writing. Mastery of basic writing skills will be expected of all students. Readings selected from various disciplines combined with intensive development of skills used to evaluate and discuss these readings in a seminar context, skills needed for research, argumentation, and techniques of composition. Two periods a week; 3 credits.

*English 101H. HONORS INTRODUCTION TO LITERATURE AND COMPOSITION.* A seminar approach to literary analysis, with close reading and careful written analysis of selections from poetry and fiction. Special emphasis on a major critical theory each semester, varying with the instructor. Continued emphasis on composition with

intensive seminar consideration of the techniques of literary criticism.

*English 332H. AMERICAN LITERATURE 1865-1920.* A survey of American literature from the close of the Civil War to WWI, with emphasis on Emily Dickinson, Mark Twain, Henry James, William Dean Howells, Stephen Crane and Theodore Dreiser. Three periods a week; 3 credits.

*Government 331H. POLITICAL PHILOSOPHY.* A survey of major political philosophies from ancient Greece through the Middle Ages, including the theories of Plato, Aristotle, Cicero, St. Augustine and St. Thomas Aquinas. Seminar format with additional readings from Thucydides. Three periods a week; 3 credits.

*History 111H. WESTERN CIVILIZATION.* From the rise of Greece to the end of the Middle Ages, c. 1000 B.C. to c. 1500 A.D. Three periods a week; 3 credits.

*Mathematics 261H, 262H. THE DIFFERENTIAL AND INTEGRAL CALCULUS.* A study of the theory and applications of the differential and integral calculus, with analytic geometry and relevant topics from discrete mathematics. The computer will be used to help illustrate theoretical concepts and to enable students to solve more realistic problems. Five periods a week; 5 credits per semester.

*Music 236H. MUSIC AND THE ARTS.* A study of the elements of music and their relationship to literature and the visual arts. Three periods a week; 3 credits.

*Philosophy 205H. TECHNOLOGY AND THE HUMAN CONDITION.* An examination of the nature of technology and the effects it has had and is likely to have on the human condition. We will study the dispute between technological optimists and the pessimists, focus on several specific areas of technological development such as agribusiness, and draw upon literature, economics, and political theory to investigate



whether technology is leading to the elimination of scarcity and its associated problems, or to Brave New World. Three periods a week; 3 credits.

*Sociology 200H. ANALYSIS OF CONTEMPORARY AMERICAN SOCIAL ISSUES.*

An examination of major social issues confronting Americans today. Topics may

include political apathy, gender inequality, value choices in technology, aging, the value of a college education, and the ethics of our nation's domestic and foreign policy. The course is designed to provide students with the analytic skill necessary to conceptualize the basic dimensions and value choices inherent in major social issues. Three periods a week; 3 credits.





# Department of Library Science

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Martha H. LeSturgeon, *Head*  
Mildred L. Morton, *Secretary*

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 one of the following: 347, 485, or 547, and 6 elective credits from those listed below. The program for students seeking State endorsement as school librarians consists of 21 semester hours of Library Science 280, 281, 301, 302, 401, 402, one of the following: 347, 485 or 547, and 5 semester hours of directed school library service (Library Science 405).

All course work must be completed prior to directed school library service.

## Faculty

Patricia Ann Howe, *Instructor*  
Rebecca R. Laine, *Assistant Professor*  
Martha H. LeSturgeon, *Associate Professor and Head*

Michael S. Sinkovitz, *Instructor*  
Susan C. Stock, *Instructor*  
M. Ibrahim Stwodah, *Assistant Professor*

## MINOR IN LIBRARY SCIENCE

Students desiring a minor in library science must successfully complete the appropriate program described below, and must see the Head of the Department of Library Science to officially declare a minor in that field.

Library Science 301, 302, 401,  
402/12 credits  
Library Science 347, 485, or 547/3 credits  
Electives/6 credits

*Electives must be selected from the following:*

Library Science 280, 281, 350, 351  
Business 360, 363  
Computer Science 201, 202

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## LIBRARY SCIENCE (46)

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*Library Science 280 (English 280). CHILDREN'S LITERATURE.* 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.* 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. Equal emphasis upon methods of and practice in oral presentation and related listening skills. 3 periods a week; 3 credits.

*Library Science 301. COLLECTION DEVELOPMENT.* An introduction to the principles and procedures for developing multimedia library collections, including a survey of guidelines, reviewing media, bibliographical selection aids, and equipment evaluation sources. Emphasis on selection of software and hardware for school library media centers. 3 periods a week; 3 credits.



*Library Science 302. LIBRARY REFERENCE MATERIALS.* The evaluation and utilization of reference materials, emphasizing those used in school media centers. Practical experience in computerized literature searching is included. 3 periods a week; 3 credits.

*Library Science 347 (Education 437). AUDIO-VISUAL EDUCATION.* The improvement of instruction through the use of audio-visual equipment, techniques and materials. 3 periods a week; 3 credits.

*Library Science 350/650. INTRODUCTION TO ONLINE BIBLIOGRAPHIC SEARCHING.* A course designed to introduce the information retrieval services offered by commercial computer-based systems to the students. The course will give the students an understanding and familiarization of how online systems are organized, how a search system is processed, and how the command language of an actual online system operates. The students will have the opportunity to have hands-on terminal experience. Extra requirements for graduate credit. 1 period a week; 1 credit.

*Library Science 351/651. ONLINE BIBLIOGRAPHIC SEARCHING.* The basic strategies employed by searchers in using online systems will be emphasized, as well as the transferability of techniques and strategies from system to system. An understanding, through the use of examples and lab problems, that strategy development is as much an art as a science and depends on the knowledge that the searcher has of the system, the database, and the discipline. An opportunity for students to have hands-on terminal experience will be available to implement their knowledge and skills through searching in different databases. Pre-

requisite: Library Science 350; extra requirements for graduate credit. 1 period a week; 1 credit.

*Library Science 401. ORGANIZATION OF MATERIALS.* The procedures and techniques necessary for the acquisition, cataloging and classification of print and non-print materials. Includes practice in computer-assisted processing techniques. 3 periods a week; 3 credits.

*Library Science 402. ADMINISTRATION OF LIBRARY MEDIA CENTERS.* A survey emphasizing the philosophy and standards for school media centers; with consideration of organizational patterns, facilities, policies, services and procedures essential to the management of print and non-print materials. 3 periods a week; 3 credits.

*Library Science 405 (Education 405). DIRECTED PRACTICUM IN LIBRARY SCIENCE.* 5 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. CONTEMPORARY LIBRARY MEDIA CENTER OPERATION AND PRACTICE.* A critical review and study of operations and practical advanced in library services. Prerequisite: a previous course in school library administration. 3 periods a week; 3 credits.

*Library Science 547 (Education 547). INSTRUCTIONAL MEDIA.* Deals with the evaluation, selection, utilization, and integration of audio-visual media in the teaching-learning process. 3 credits.



# Department of Mathematics and Computer Science

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Merry Lewis Allen, *Head*  
Carol Clark, *Secretary*

The Department of Mathematics and Computer Science offers courses leading to a major in mathematics and minors in mathematics and computer science; it also offers courses which fulfill general education requirements and those which meet certification requirements in general mathematics and high school mathematics; and it provides service courses in elementary education and statistics.

## General Education Requirements

All degree-seeking students are required to take two courses in mathematics and/or computer science and, in consultation with their advisers, they should choose two of the following appropriate to their majors: Mathematics 111, 112, 113, 114, 161, 162, 164, 261, 262; Computer Science 156, 201, 202, 205, 206. (It is usually not advisable for students to take Mathematics 164 in conjunction with either Mathematics 161 or 162.) Note that elementary majors must take Mathematics 123, 124 to meet the general education requirement and this course is restricted to these students.

On the basis of a screening procedure some students will be required to take Mathematics 051 prior to general education mathematics courses.

Credit for Mathematics 123, 124, 321, 323, 324, and 451 will not be given to students who have not satisfactorily completed a basic skills test. Satisfactory performance on a basic skills test may also be a course requirement of one or more of the general education mathematics courses.

## Certification

Students majoring in fields other than mathematics may certify to teach mathematics at two different levels.

*General Mathematics.* Students who wish to earn 18 semester hours credit to certify to teach general mathematics (including general, consumer, basic, career and shop mathematics), should take the following courses: Mathematics 123, 124, 323 (or 324), 313, 321, and 114.

*High School Mathematics.* Certification for teaching high school mathematics requires 27 semester hours of mathematics, including calculus, modern algebra, geometry, probability and/or statistics, and a computer programming course. To meet this requirement students in this program should take Mathematics 261, 262, 342, 335, 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.

## Mathematics Major

All mathematics majors are required to take a core of mathematics courses (Mathematics 261, 262, 343, 361 and 371). The remaining courses will be selected from one of three concentrations—teacher education, pure mathematics or applied mathematics/computer science—according to career interests.

Students may, on the basis of a screening procedure, 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 concentrations available in the department as succinctly as possible, it is recommended that every student majoring or minoring in the department 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.



## Faculty

Merry Lewis Allen, *Associate Professor and Head*

Sandra A. Bollinger, *Assistant Professor*

James C. Gussett, *Associate Professor*

William T. Harding, *Instructor*

F. Richard Kidder, *Professor*

Robert D. May, *Assistant Professor*

Rogers J. Newman, *Visiting Professor\**

E. T. Noone, Jr., *Associate Professor*

Jean A. Noone, *Assistant Professor*

Robert P. Webber, *Associate Professor*

Robert S. Wu, *Associate Professor*

\*OCR Commonwealth Visiting Professor

The Department of Mathematics and Computer Science offers both a major and a minor in mathematics. It also offers a minor in computer science. The major requires emphasis in one of three concentrations: teacher certification, pure mathematics and applied mathematics/computer science. Students majoring in mathematics earn a Bachelor of Science or Bachelor of Arts degree.

### MATHEMATICS MAJOR, B. S. DEGREE

#### *General Education Requirements*

Art, Music or Theatre/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 (at least two areas)/  
9 credits

Biological Science/4 credits

Physical Science/4 credits

Health Education 100/1 credit

Physical Education Activity

Courses/3 credits

TOTAL/48 credits

(\*May be by-passed. Check with  
department head.)

#### *Major Requirements (all majors)*

Mathematics 261, 262, 361/13 credits

Mathematics 343/3 credits

Mathematics 371/3 credits

TOTAL/19 credits

#### *Concentration I (Teacher Certification)*

Mathematics 335, 336/6 credits

Mathematics 342/3 credits

Mathematics 451/3 credits

Computer Science 205, 206 or 505/3 credits

\*Electives: 300-400 level mathematics/  
3 credits

300-400 level computer science or  
mathematics/3 credits

TOTAL/21 credits

#### *Concentration II (Pure Mathematics)*

Mathematics 342/3 credits

Mathematics 336 or 351/3 credits

Mathematics 461/3 credits

Computer Science 205/3 credits

\*Electives: 400 level mathematics/3 credits

300-400 level mathematics/3 credits

300-400 level mathematics or  
computer science/3 credits

TOTAL/21 credits

#### *Concentration III (Applied Mathematics and/or Computer Science)*

Mathematics 472/3 credits

Computer Science 201, 202, 205 or  
206/3 credits

Computer Science 301 and 302 or  
Mathematics 405 and 460/6 credits

\*Electives: Computer Science 202 or 206  
or 300-400 level computer science or  
mathematics/3 credits

300-400 level computer science or  
mathematics/6 credits

TOTAL/21 credits

\*Electives may not include Mathematics  
313, 321, 323, 324 or 451.

#### *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



Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200 level and choose the humanities elective from Literature, Philosophy or Religion.

See the section *General Education Requirements*, in this catalog for specific restrictions.

## MINORS

Students desiring a minor in mathematics or computer science must successfully complete the appropriate program described below, and must see the Head of the Department of Mathematics and Computer Science to officially declare a minor in either field.

### MINOR IN MATHEMATICS

Mathematics 164\*/3 credits

Mathematics 261, 262/10 credits

\*\*Electives: 300-400 level mathematics/  
3 credits

200-400 level computer science or  
mathematics/6 credits

\*Or equivalent. This requirement may be waived for students beginning their mathematics studies with Mathematics 261.

\*\*Electives may not include Mathematics 271, 313, 321, 323, 324 and 451.

### MINOR IN COMPUTER SCIENCE

A minor in computer science shall consist of 19 credit hours of computer science courses, at least 13 hours of which must be at the 300 or 400 level.

With the exception of one 200-level computer science course, students majoring in mathematics may not use computer science courses to fulfill requirements for both the mathematics major and the computer science minor, and may count at most six credit hours of computer science courses numbered below 300 toward the combined major and minor.

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### MATHEMATICS (48)

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#### *Mathematics 051. BASIC MATHEMATICS.*

An individualized course in basic mathematics. The content will include computational skills in whole numbers, fractions and decimals; percent, ratio, proportion; and topics in basic algebra. Students will be assigned to the course on the basis of score on a diagnostic test. This course does not satisfy general education requirements. Successful completion of the course required before the student will be permitted to take general education mathematics courses required for graduation. Credit for this course cannot be used toward graduation. 3 credits (Pass/Fail).

*Mathematics 111. A COMPUTER APPROACH TO INTRODUCTORY COLLEGE MATHEMATICS.* 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.

#### *Mathematics 112. A PROBLEM SOLVING APPROACH TO INTRODUCTORY COLLEGE MATHEMATICS.*

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.

#### *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.



*Mathematics 114. MATHEMATICS FOR THE CONSUMER.* An introductory course designed to acquaint the student with the application of mathematics in the life of the consumer. Special attention will be given to the algebraic derivation of formulas, the reduction of real life situations to mathematical models, and the mathematics employed in banking, budgeting, credit, taxes, insurance, installment buying, annuities, stocks, bonds and mortgages. 3 periods a week; 3 credits.

*Mathematics 123. BASIC CONCEPTS OF MATHEMATICS FOR ELEMENTARY TEACHERS I.* Basic concepts underlying contemporary arithmetic with emphasis on meaning and understanding; on the structure of the real number system; and on the basic arithmetic processes. This course is required for the B.S. degree in elementary education and is available only to these students. 3 periods a week; 3 credits. Fall only.

*Mathematics 124. BASIC CONCEPTS OF MATHEMATICS FOR ELEMENTARY TEACHERS II.* Emphasis is placed on an understanding of intuitive geometric concepts with some attention being given to statistical analysis and fundamental concepts of elementary algebra. This course is required for the B.S. degree in elementary education and is available only to these students. Prerequisite: Mathematics 123 or consent of department head. 3 periods a week; 3 credits. Spring only.

*Mathematics 161, 162. COLLEGE ALGEBRA AND TRIGONOMETRY.* 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, engineering, or whether his interests lie in the social sciences or economics. Prerequisite: two years of high school algebra or permission of instructor. 3 periods a week; 3 credits each semester.

*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. Fall only.

*Mathematics 261, 262. THE DIFFERENTIAL AND INTEGRAL CALCULUS.* Prerequisite for Mathematics 261: Mathematics 161 and 162; 164; or consent of department head. 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 head before enrolling in 262. 5 periods a week; 5 credits each semester.

*Mathematics 261H, 262H. THE DIFFERENTIAL AND INTEGRAL CALCULUS.* A study of the theory and applications of the differential and integral calculus, with analytic geometry and relative topics from discrete mathematics. The computer will be used to help illustrate theoretical concepts and to enable students to solve more realistic problems. 5 periods a week; 5 credits per semester.

*Mathematics 271. APPLIED STATISTICS.* Designed primarily for students in business. Topics include measures of central tendency, measures of dispersion, sampling, hypothesis testing, t-test, chi-square, correlation and simple linear regression, confidence intervals, binomial distribution, F-ratio test, simple analysis of variance and covariance, and other statistical techniques. Knowledge of the calculus is not required. Credit will not be given in this course toward the mathematics major. 3 periods a week; 3 credits.

*Mathematics 313. TEACHING PROBABILITY AND STATISTICS.* Designed especially for the pre-service teacher and will use an experiential, informal, activity-based approach. There will be hands-on activities and experiments relating empirical and theoretical probabilities. Quick descriptive statistics and new graphical methods will be presented. These techniques are useful in describing, comparing, exploring and interpreting sets of data. There will also be intuitive ideas from inferential statistics. Prerequisite: Mathematics 123, 124. 3 periods a week; 3 credits. Fall only.



*Mathematics 321. MATHEMATICAL THINKING AND PROBLEM SOLVING.* A study of thinking skills and strategies used in solving problems and an examination of ways that these can be taught to others. Numerical and geometrical concepts normally taught in the middle and junior high schools will be used in developing problem solving skills. Prerequisite: Mathematics 123 and 124 or equivalent or consent of instructor. 3 periods a week; 3 credits. Spring only.

*Mathematics 323. MATHEMATICS METHODS FOR EARLY EDUCATION.* A study of content, materials and methods of teaching mathematics relevant to early education with particular emphasis on student use of materials and learning resources and demonstrations of teaching methods. Required for the BS in elementary education (N, K-4 endorsement). Prerequisite: Mathematics 123, 124 or consent of department head. Credit will not be given in this course toward the mathematics major. 3 periods a week; 3 credits.

*Mathematics 324. MATHEMATICS METHODS FOR MIDDLE EDUCATION.* A study of content, materials and methods of teaching mathematics relevant to middle education with particular emphasis on student use of materials and learning resources and demonstrations of teaching methods. Required for the BS in elementary education (4-8 endorsement). Prerequisite: Mathematics 123, 124 or consent of department head. Credit will not be given in this course toward the mathematics major. 3 periods a week; 3 credits. Fall only.

*Mathematics 335. ADVANCED EUCLIDEAN GEOMETRY.* A study of Euclidean geometry from a more advanced viewpoint. The methods and techniques of synthetic axiomatic geometry will be stressed through a study of logic and formal proof, constructions, higher Euclidean geometry, finite geometries, and non-Euclidean geometries. Prerequisite/corequisite: Mathematics 261. 3 periods a week; 3 credits. Fall only, even years.

*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 geo-

metric 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 transformations. Prerequisite: Mathematics 335 or consent of department head. 3 periods a week; 3 credits. Spring only, odd years.

*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. Fall only, odd years.

*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 head. 3 periods a week; 3 credits. Spring only.

*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/corequisite: Mathematics 342 or consent of instructor. 3 periods a week; 3 credits. Fall only, odd years.

*Mathematics 351. INTRODUCTION TO TOPOLOGY.* Topological spaces, continuous mappings, homeomorphisms, compactness, connectedness, metric spaces, and other selected topics in point set topology. Prerequisite: Mathematics 361. 3 periods a week; 3 credits.

*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 head before enrolling. 3 periods a week; 3 credits.

*Mathematics 371. INTRODUCTION TO PROBABILITY AND STATISTICS.* Theory



of probability; expected values of random variables; tests of hypotheses; sampling; the central limit theorem; regression analysis. Prerequisite: Mathematics 262. 3 periods a week; 3 credits. Fall only.

*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 the problems of rounding error, conditioning, and stability. Prerequisite: Mathematics 343 and Computer Science 205 or equivalent. 3 periods a week; 3 credits. Fall only.

*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. Spring only.

*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 262. 3 periods a week; 3 credits. Spring only.

*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.

*Mathematics 472. INTRODUCTION TO MATHEMATICAL STATISTICS.* Distribution 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. Spring only.

*Mathematics 490. DIRECTED STUDY IN MATHEMATICS.* Individualized study; recommended only when material cannot be studied through existing course offerings. Must have permission of department head. 1-3 credits. May be repeated as 491, etc.; no more than 6 credits.

#### **For Graduates and Advanced Undergraduates**

*Mathematics 513. THE TEACHING OF PROBABILITY AND STATISTICS.* This course is designed especially for teachers and will use an experiential, informal, activity-based approach. There will be hands-on activities and experiments relating empirical and theoretical probabilities. Quick descriptive statistics and new graphical methods will be presented. These techniques are useful in describing, comparing, exploring and interpreting sets of data. There will also be intuitive ideas from inferential statistics. 3 credits.



# Department of Military Science

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Major Cheryl A. Crawford, *Head*  
Teresa Mayton, *Secretary*

Army ROTC is a four-year or a two-year course of study, open to men and women, which may be taken by students concurrently with their regular work. Credits earned in Military Science are counted as elective hours and may be applied toward hours required to fulfill the graduation requirements for any degree.

The course of study is divided into two phases: the Basic Course, 100- and 200-level courses, normally taken during the freshman and sophomore years; and the Advanced course, 300-level courses, normally 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.

NOTE: Basic Course courses cannot be taken by juniors or seniors without permission from the Head, Department of Military Science.

Students enrolled in the Advance Course earn a subsistence allowance of \$100 per month. Uniforms, books, and equipment for all courses are provided by the Army. Students may compete for ROTC scholarships that include all academic fees, tuition, books, supplies and equipment, plus the \$100 per month.

Hampden-Sydney students are encouraged to enroll in military science classes and are also eligible for scholarships. Classes can be taught at Hampden-Sydney if there is adequate demand.

## Faculty

Cheryl A. Crawford, *Associate Professor  
and Head*  
John A. Davis, *Instructor*

Richard A. Fraza, *Assistant Professor*  
Benjamin R. Sweger, *Assistant Professor*

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## MILITARY SCIENCE (50)

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*Military Science 101. INTRODUCTION TO THE MILITARY.* A general introduction course which will broaden student knowledge of military structure and operation, customs and courtesies, rank structure, weaponry, threat structure and land navigation. No prerequisites; 2 credits.

*Military Science 102. MILITARY HISTORY.* 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 applications; and the influence of society, technology, and personal leadership on the conduct of war. Concentration on American military history from colonial times to the present. No prerequisites; 2 credits.

*Military Science 201. FIRST AID.* A survey

of the application of basic life-saving measures with emphasis on field expedient methods and techniques, and treatment. (No American Red Cross certification awarded to students.) No prerequisites; 2 credits.

*Military Science 202. LEADERSHIP.* An introduction to leadership principles, tasks, fundamentals and characteristics. Seminars and case study situations will be used to illustrate teaching points and to allow the students to participate in decision-making and problem-solving. The course is oriented toward military leadership, but is also valuable for students who plan to enter management and supervisory positions within the civilian sector. The course is designed to provide the student with the background information needed to become an effective leader. No prerequisites; 2 credits.

*Military Science 205. ROTC BASIC SUMMER CAMP PRACTICUM.* Six weeks of



training at a military installation. Basic Camp graduates are qualified to enroll in Advanced Course. Prerequisites: sophomores/rising juniors, must be approved by Military Science Department head. Summer only; 6 credits (Pass/Fail).

*Military Science 301. ADVANCED MILITARY SCIENCE I.* Detailed reading of military maps and navigation on land utilizing a map and a compass. Prerequisites: successful completion of Basic Course and approval of department head.; 2 credits.

*Military Science 302. ADVANCED MILITARY SCIENCE II.* Group interactions and the role of the leader. Emphasis is on the twelve leadership dimensions. Prerequisites: successful completion of Basic Course, MS 301 and approval of department head; 2 credits.

*Military Science 303. ADVANCED MILITARY SCIENCE III.* Command and staff operations and procedures, military briefings, and military correspondence are studied in detail. Prerequisites: Military Science 301 and 302; 2 credits.

*Military Science 304. ADVANCED MILITARY SCIENCE IV.* Study of military justice, the Law of Warfare, and professionalism and ethics. Prerequisites: MS 301, 302, 303 and approval of department head; 2 credits.

*Military Science 305. ROTC ADVANCED CAMP SUMMER PRACTICUM.* Six weeks of intensive leadership application. Students are exposed to constant leadership situations requiring problem-solving and decision-making under physical and mental stress conditions. Prerequisites: Military Science 301 and 302. Summer only; 3 credits.





# Department of Music

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Louard E. Egbert, Jr., *Head*  
Brenda Norton, *Secretary*

The music curricula are designed to: (1) provide all students with relevant musical experiences in order to increase their musical literacy and sensitivity, (2) educate music majors in the understanding and performance of a wide variety of music from all eras; and (3) enable music education students to communicate to others at all levels an appreciation and understanding of music.

The Department of Music offers three distinct degrees: the Bachelor of Music Education degree, the Bachelor of Music degree (performance in voice, piano, organ, harpsichord, and in most instruments), and the Bachelor of Arts degree with a major in music. Common to each degree is a basic music core consisting of the following courses: Muaic 163 (Keyboard) or Music 183 (Voice); Music 115, 116 (Theory); Music 117, 118 (Sightsinging and Dictation); Music 127 (Music Literature); Music 215, 216 (Theory); Music 217, 218 (Sightsinging and Dictation); Music 231, 232 (Music History); Music 315 (Conducting); and Music 327 (Form and Analysis). In addition to courses pertinent to each degree listed below, the following requirements should be noted:

Every music major is expected to enroll in an ensemble each semester in residence. Students are encouraged to take ensemble for credit each semester; on the Bachelor of Arts, 6 credits of ensemble may count toward graduation; on the Bachelor of Music, 8 credits count toward graduation; on the Bachelor of Music Education, 0 credits may count toward graduation. On the music minor, a minimum of 2 credits in ensemble are required. Additional hours in ensemble beyond these requirements may be taken with or without credit.

Each incoming freshman music major must play a keyboard placement examination in order to determine the student's level of piano background.

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. The department is an accredited institutional member of the National Association of Schools of Music.

## Faculty

Robert E. Blasch, *Professor*  
Louard E. Egbert, Jr., *Associate  
Professor and Head*  
Darrell G. Harbaum, *Associate Professor*  
Paul S. Hesselink, *Professor*

Patricia Lust, *Associate Professor*  
Ralph W. Mohr, *Assistant Professor*  
W. Bruce Montgomery, *Associate Professor*  
Frieda E. Myers, *Assistant Professor*  
Thomas A. Williams, *Associate Professor*

The Department of Music offers majors in Music, Music Performance, and Music Education. For any degree the student studies in an *applied area* from the following: *Voice, Piano, Organ, Harpsichord, Brasswinds, Woodwinds, Percussion*. Students majoring in Music may earn a Bachelor of Arts (BA), a Bachelor of Music in Performance (BM), or a Bachelor of Music Education (on either Voice/Choral/Piano or Instrumental track).



**BACHELOR OF ARTS IN MUSIC**  
(applied areas: voice, piano, organ, harpsichord,  
brasswinds, woodwinds, percussion)

*General Education Requirements*

Art, Music, or Theatre/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  
Biological Science/4 credits  
Physical Science/4 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 127/3 credits  
Music 163/1 credit  
Music 215, 217/4 credits  
Music 216, 218/2 credits  
Music 231, 232/6 credits  
Music 315/2 credits  
Music 327/3 credits  
Music electives/6 credits  
Music Ensembles/6 credits  
Applied Concentration/12 credits  
TOTAL/51 credits

*Electives/24 credits*

**BACHELOR OF MUSIC**

**Performance**

(applied areas: voice, piano, organ, harpsichord,  
brasswinds, woodwinds, percussion)

*General Education Requirements*

Music 231, 232/6 credits  
English 100, 101/6 credits  
Literature/3 credits  
Literature, Philosophy or Religion/  
3 credits  
Foreign Language (German or French)  
at the 200-level/3 credits  
History 121 or 122/3 credits

Social Science/9 credits  
Mathematics/6 credits  
Biological Science/4 credits  
Physical Science/4 credits  
Health Education 100/1 credit  
Physical Education Activity  
Courses/3 credits  
TOTAL/51 credits

*Major Requirements—Organ Concentration*

Music 115, 116/4 credits  
Music 117, 118/2 credits  
Music 127/3 credits  
Music 163/1 credit  
Music 213/1 credit  
Music 215, 216/4 credits  
Music 217, 218/2 credits  
Music 315/2 credits  
Music 327/3 credits  
Music 413/2 credits  
Music 434/2 credits  
Applied Concentration/22 credits  
Secondary Applied (voice)/4 credits  
Secondary Applied (harpsichord  
or piano)/3 credits  
Chamber Ensemble/1 credit  
Ensembles/8 credits  
TOTAL/64 credits  
Electives/11 credits

*Major Requirements—Voice Concentration*

Music 115, 116/4 credits  
Music 117, 118/2 credits  
Music 127/3 credits  
Music 163/1 credit  
Music 215, 216/4 credits  
Music 217, 218/2 credits  
Music 315, 316/4 credits  
Music 327/3 credits  
Music 413/2 credits  
Music 436/2 credits  
Music 437/2 credits  
Applied Concentration/22 credits  
Secondary Applied (piano)/3 credits  
Music 140/2 credits  
Ensembles/8 credits  
TOTAL/64 credits



*Major Requirements—Piano Concentration*

Music 115, 116/4 credits  
Music 117, 118/2 credits  
Music 127/3 credits  
Music 213/1 credit  
Music 215, 216/4 credits  
Music 217, 218/2 credits  
Music 301/2 credits  
Music 315/2 credits  
Music 335/2 credits  
Music 413/2 credits  
Music 435/2 credits  
Music 445/2 credits  
Applied Concentration/22 credits  
Secondary Applied (voice)/4 credits  
Piano Improvisation/2 credits  
Ensembles/8 credits  
TOTAL/64 credits

*Major Requirements—Instrumental Concentration*

Music 115, 116/4 credits  
Music 117, 118/2 credits  
Music 127/3 credits  
Music 163/1 credit  
Music 215, 216/4 credits  
Music 217, 218/2 credits  
Music 315/2 credits  
Music 317/2 credits  
Music 327/3 credits  
Music 413/2 credits  
Music 433/2 credits  
Applied Concentration/22 credits  
Secondary Applied (piano)/3 credits  
Secondary Applied (voice)/2 credits  
Ensembles/8 credits  
TOTAL/62 credits  
Electives/13 credits

**BACHELOR OF MUSIC EDUCATION**

**Choose choral or instrumental track.**

**(applied areas: voice, piano, organ, harpsichord,  
brasswinds, woodwinds, percussion)**

*General Education Requirements*

Music 231, 232/6 credits  
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  
Biological Science/4 credits  
Physical Science/4 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/3 credits  
TOTAL/48 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





*Major Requirements—Vocal/Piano/  
Choral Track*

Music 115, 116/4 credits  
Music 117, 118/2 credits  
Music 120/1 credit  
Music 127/3 credits  
Music 140/2 credits  
Music 215, 216/4 credits  
Music 217, 218/2 credits  
Music 300/2 credits  
Music 315, 316/4 credits  
Music 327/3 credits  
Music 343/3 credits  
Music 344/2 credits  
Music 437 (voice major) or  
455 (piano major)/2 credits  
Music 440/2 credits  
Music 438/2 credits  
Applied Concentration/14 credits  
Secondary Applied/4 credits  
Voice: 163, 164, 263, 264  
Piano: 183, 184, 283, 284  
Ensemble each semester/0 credits  
TOTAL/56 credits

*Major Requirements—Instrumental  
Track*

Music 115, 116/4 credits  
Music 117, 118/2 credits  
Music 120/1 credit  
Music 127/3 credits  
Music 163, 164, 263, 264/4 credits  
Music 167, 171, 181, 189, 191/5 credits  
Music 215, 216/4 credits  
Music 217, 218/2 credits  
Music 315, 317/4 credits  
Music 327/3 credits  
Music 343/3 credits  
Music 348/2 credits  
Music 349/1 credit  
Music 438/2 credits  
Applied Concentration/14 credits  
Secondary Applied/2 credits  
Brass major choose Woodwinds 193, 194  
Woodwind major choose Brass 177, 178  
Ensemble each semester/0 credits  
TOTAL/56 credits

**MINOR IN MUSIC**

Music 115, 116/4 credits  
Music 117, 118/2 credits  
Music 127 or 123/3 credits  
Music Ensemble/2 credits

Applied Concentration/8 credits  
Secondary Applied/2 credits  
Music elective/3 credits  
TOTAL/24 credits

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**MUSIC (52)**

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**Theory**

*Music 111. BASIC MUSICIANSHIP.* An introductory course in music reading through singing and the use of harmonic and rhythmic instruments. Class activities focus on programs of music for playgrounds, parks, hospitals, camps, and nursing homes. For Therapeutic Recreation majors only. Does not fulfill general education requirement. 3 periods a week; 3 credits.

*Music 115, 116. THEORY OF MUSIC.* Theory, harmony, written and keyboard. 2 periods a week; 2 credits each semester.

*Music 117, 118. SIGHTSINGING AND DICTATION.* Ear training through sightsinging and dictation. 2 periods a week; 1 credit each semester.

*Music 140. DICTION FOR SINGERS.* Study of phonetics and the International Phonetic Alphabet. Accurate pronunciation in English, Latin, Italian, German and French. 2 periods a week; 2 credits.

*Music 163. KEYBOARD FUNDAMENTALS.* Required of music majors who do not major in piano. Study and practice in basic keyboard techniques, sightreading and major and minor scales. Open to others on space-available basis. (Class or private) 2 periods a week; 1 credit.

*Music 213. PIANO ACCOMPANYING.* Study and practical application of accompanying for other students. Recommended for keyboard majors. 2 periods a week; 1 credit.

*Music 215, 216. THEORY OF MUSIC.* Continuation of 115, 116 which is prerequisite. 2 periods a week; 2 credits each semester.



*Music 217, 218. SIGHTSINGING AND DICTATION.* Continuation of 117, 118 which is prerequisite. 2 periods a week; 1 credit each semester.

*Music 297, 497. COMPOSITION.* Instruction in techniques of composing music. Prerequisite: Music 115, 117 and consent of instructor. One class period and one private lesson a week; 1 credit. May be repeated for credit.

*Music 315. CONDUCTING.* Technique of the baton; score reading; rehearsal procedures; vocal and instrumental conducting. 2 periods a week; 2 credits.

*Music 316. ADVANCED CHORAL CONDUCTING.* Continuation of Music 315 which is prerequisite. 2 periods a week; 2 credits.

*Music 317. ADVANCED INSTRUMENTAL CONDUCTING.* Continuation of 315 which is prerequisite. 2 periods a week; 2 credits.

*Music 327. FORM AND ANALYSIS.* Harmonic and formal analysis of compositions of each period. Prerequisite: Music 215, 216. 3 periods a week; 3 credits.

*Music 413. COUNTERPOINT.* Strict and free counterpoint; motivic development; invertible counterpoint. Prerequisite: Music 127, 215, 216. Offered on demand; 2 periods a week; 2 credits.

#### **Appreciation, History and Literature**

*Music 123. THE APPRECIATION OF MUSIC.* Study for the understanding of the forms, styles, and periods of the music usually heard in performance. Does not fulfill music requirement for Elementary Education Certification. 3 periods a week; 3 credits.

*Music 127. MUSIC LITERATURE.* Survey of the major periods of music with examples of the works of principal composers in each period; the relation of music to other aspects of history and culture. 3 periods a week; 3 credits.

*Music 231, 232. HISTORY OF MUSIC.* History of music of western civilization with

examples. Open to non-music majors only with permission of instructor. 3 periods a week; 3 credits each semester.

*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.

*Music 234. MUSIC OF THE THEATRE.* Study of opera, operetta incidental music. 3 periods a week; 3 credits.

*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.

*Music 236H. MUSIC AND THE ARTS.* Study of the elements of music and their relationship to literature and the visual arts. 3 periods a week; 3 credits.

*Music 237. JAZZ, FOLK, ROCK, AND BROADWAY MUSICALS.* Survey and comparison of the styles, characteristics, composers, and performers of folk, jazz, rock and Broadway music. 3 periods a week; 3 credits.

*Music 335. PIANO DUET AND DUO-PIANO LITERATURE.* Study and performance of piano ensemble music. Includes both piano duet literature and duo-piano literature. Required of B.M. piano concentrators; open to others with permission of instructor. 2 periods a week; 2 credits.

*Music 433. INSTRUMENT LITERATURE.* Study of composers and major compositions of wind instruments. Baroque to the present. May be combined with band and instrumental literature. 2 periods a week; 2 credits.

*Music 434. ORGAN LITERATURE.* Study of the literature of the organ through performance and listening. Required of organ concentrators. 2 periods a week; 2 credits.

*Music 435. PIANO LITERATURE.* Study of the literature of the piano-forte through performance and listening. Required of piano concentrators. 2 periods a week; 2 credits.

*Music 436. VOCAL LITERATURE.* Study



of the literature of the voice through performance and listening. Required of voice concentrators. 2 periods a week; 2 credits.

*Music 437. VOCAL PEDAGOGY.* Study of the principles of voice production and voice teaching. Laboratory with beginning voice students. Required of voice majors. 2 periods a week; 2 credits.

*Music 438. ARRANGING.* Study and practice of arranging in different voice and instrument combinations with attention to style, range, form, and difficulty. 2 periods a week; 2 credits.

*Music 439. ADVANCED ANALYSIS.* Continuation of Music 327, which is prerequisite. 2 periods a week; 2 credits.

#### Music Education

*Music 120. INTRODUCTION TO MUSIC EDUCATION.* Survey of role, quality, and value of music in school curricula. Ideas and techniques reflective of learning, and observation of realities of music teaching in public schools. Music majors only; does not fulfill general education requirements. 1 period a week; 1 credit.

*Music 300. INSTRUMENTAL SURVEY.* Survey of string, percussion, brass, and woodwind families. Study of history, members of each family, range, timbre, and transposition. Required of music education voice and piano majors. 2 periods a week; 2 credits.

*Music 340. MUSIC IN THE CLASSROOM.* Music for students preparing to teach in elementary schools. Study of music fundamentals and literature, and the development of music skills through singing, conducting, and use of auto-harp, electronic keyboards, rhythm instruments and appropriate series and record sets. Practical application and discussion of these skills, fundamentals, and literature as they relate to their use in the classroom. (Replaces Music 242, 342) 3 periods a week; 3 credits.

*Music 341. CLASSROOM MUSIC AND MATERIALS.* Designed to explore in depth goals and philosophy of elementary music

education with emphasis upon teaching technique and materials as well as a continuation of developing music skills needed for teaching. Required for certification in the elementary education inter-disciplinary track. Prerequisite: Music 340. 3 periods a week; 3 credits.

*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 majors, education majors and others with consent of department head. 3 periods a week; 3 credits.

*Music 344. MUSIC IN THE MIDDLE AND JUNIOR HIGH SCHOOL.* Philosophy, procedures, materials, emphasis on music in the middle school; adaptation of the program to the open school and individualized or group instruction. Open only to music education majors and others with consent of department head. 2 periods a week; 2 credits.

*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. 2 periods a week; 2 credits.

*Music 349. MARCHING BAND FUNDAMENTALS.* Marching band fundamentals class for instrumental majors who plan to teach on secondary music level. Involves classwork, observation at neighboring high schools during pre-game and half-time shows, and writing marching shows to be appropriately coordinated with music. Taken concurrently with Music 348. 1 period a week; 1 credit.

*Music 440. CHORAL METHODS AND MATERIALS.* Study of methods and materials appropriate for secondary school choral music with emphasis on organization, festivals, curriculum, and vocal/choral techniques. Prerequisites: 315, 316. 2 periods a week; 2 credits.



## Applied Music

Opportunity is offered all students of the college, on a space-available basis, the study of applied music in most areas: VOICE, PIANO, ORGAN, HARPSICHORD, BRASSWINDS, WOODWINDS, and PERCUSSION. Study is permitted in either private or group study as determined by faculty load. Students may enter at any stage of development. Students majoring in Music must attain minimum standards of performance proficiencies as determined by the department at the end of the student's sophomore year.

The following is a listing of areas of applied study. Music majors take "concentration" for their main instrument, "secondary" for their minor instrument. Non-majors are normally assigned "secondary" sections; other options are certain classes in several instruments.

*Applied Music, Secondary Instrument. 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 161, 162; 261, 262; 361, 362; 461, 462. PERCUSSION.

Music 163, 164; 263, 264; 363, 364; 463, 464. PIANO.

Music 173, 174; 273, 274; 373, 374; 473, 474. STRINGS.

Music 177, 178; 277, 278; 377, 378; 477, 478. BRASS.

Music 183, 184; 283, 284; 383, 384; 483, 484. VOICE.

Music 193, 194; 293, 294; 393, 394; 493, 494. WOODWINDS.

*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 179, 180; 279, 280; 379, 380; 479, 480. PERCUSSION.

Music 185, 186; 285, 286; 385, 386; 485, 486. VOICE.

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

Music 195, 196; 295, 296; 395, 396; 495, 496. WOODWINDS.

*Applied Music, Elective, Class. In addition to achieving a grade 3-4 technique in performance, a study of transposition of wind instruments, simple arrangements, special problems and conducting for advanced students (sophomores). 2 periods a week; 1 credit each semester.*

Music 167, 168. BRASS.

Music 191, 192. WOODWINDS.

*Applied Music, Elective, Class. One small class instruction each week; 1 credit each semester.*

Music 171, 172. STRINGS.

Music 181, 182; 281, 282; 381, 382; 481, 482. VOICE.

Music 189, 190. PERCUSSION.

*Music 169, 170; 269, 270; 369, 370; 469, 470. GROUP PIANO.* Piano for non-majors. Study of piano composition techniques, sightreading, and theory. Class taught in electronic piano lab. 2 periods a week; 2 credits.

**ENSEMBLES**—Ensembles are open to all students who sing or play an orchestra or band instrument. In some cases, auditions are required in balancing sections in some groups: Camerata Singers, Concert Choir, Lancer Edition, and Opera Workshop. Formal programs are presented on- and off-campus. 2 or 3 periods a week; 1 credit per semester. May be repeated for credit.

*Ensembles. Two periods a week; 1 credit each semester. May be repeated for credit.*

Music 201, 401. CHAMBER MUSIC.

Music 202, 203; 402, 403. JAZZ ENSEMBLE, INSTRUMENTAL CHAMBER MUSIC ENSEMBLE, FLUTE CHOIR.

Music 204, 404. OPERA WORKSHOP.

Music 205, 206; 405, 406. CONCERT CHOIR, SSAA.

Music 207, 208; 407, 408. CAMERATA SINGERS, SATB; LANCER EDITION.

Music 209, 210; 409, 410. CONCERT BAND.



For Graduates and Advanced  
Undergraduates

*Music 521. SYMPHONIC LITERATURE.*

*Music 531. MUSIC FOR CHILDREN.*

*Music 532. MUSIC IN THE HIGH SCHOOL.*

*MUSIC 542. MUSIC FOR EARLY CHILD-  
HOOD.*





# Department of Natural Sciences

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Marvin W. Scott, *Head*

Betty J. Woodie, *Secretary*

The Department offers majors in biology, chemistry, earth sciences, and physics. A student may major or minor in more than one area with the appropriate selection of courses. The Department also offers degrees in cooperation with other institutions in the fields of pre-engineering and medical technology. Pre-professional medical programs prepare students to transfer to professional schools in a number of health oriented professions. The Department of Natural Sciences offers courses which satisfy the science requirements for general education in all degree programs of the College.

The aim of study in this department is to develop an interest in the natural world, and to acquire the scientific habits of problem solving through experimentation, accurate observation, exact statements, and independent thought.

## Faculty

John M. Austin, *Associate Professor*  
Patrick George Barber, *Associate Professor*  
Billy S. Batts, *Associate Professor*  
David A. Breil, *Professor*  
Sandra D. Breil, *Associate Professor*  
James W. Curley, *Assistant Professor*  
Louis F. Fawcett, *Associate Professor*  
Lynn M. Ferguson, *Assistant Professor*  
John A. Hardy, III, *Assistant Professor*  
Richard L. Heinemann, *Associate Professor*

Leta Jane Holman, *Professor*  
Charles F. Lane, *Professor*  
Freda S. McCombs, *Associate Professor*  
Maurice H. Maxwell, Jr., *Assistant Professor*  
Donald A. Merkle, *Assistant Professor*  
Wayne K. Meshejian, *Assistant Professor*  
Earl A. Rubley, *Associate Professor*  
Marvin W. Scott, *Professor and Head*  
Wayne H. Tinnell, *Professor*  
Carolyn Wells, *Professor*

## *Representatives of our Affiliated Institutions*

Deborah S. Holloway, M.T. (ASCP),  
M.S., Program Director, School of  
Medical Technology, University of  
Virginia Medical Center  
C. Barrie Cook, M.D., Director, School  
of Medical Technology, The Fairfax  
Hospital, Falls Church  
Linda D. Sokus, B.S.M.T. (ASCP),  
Educational Coordinator, School  
of Medical Technology, Memorial  
Hospital, Danville

James C. Gale, M.D., Director of Labora-  
tories, School of Medical Technology,  
Roanoke Memorial Hospital  
Peggy J. Riner, B.S.M.T. (ASCP), Edu-  
cational Coordinator, School of Medical  
Technology, Roanoke Memorial Hospital  
Jack C. Turner, M.D., Director of Labora-  
tories, School of Medical Technology,  
Memorial Hospital, Danville  
Michael R. Wills, M.D., Ph.D., Director of  
Clinical Labs, University of Virginia  
Medical Center

## PRE-PROFESSIONAL MEDICAL CURRICULUM

Donald Merkle, *Director*

The Department of Natural Sciences is successful in preparing students for careers in medical technology, dental hygiene, occupational therapy, physical therapy, nursing, pharmacy, medicine, dentistry, and other health related professions. Students spend two-three years at Longwood taking the required coursework for transfer into the professional program at another institution. By working closely with an academic advisor, students can prepare for transfer into



programs at any professional institution. Completion of Longwood's pre-professional program, however, does not guarantee admission to the professional program. Admission to these programs is competitive and is based on the student's academic performance during the pre-professional period as well as personal recommendations and related experiences.

### **PRE-DENTAL HYGIENE (VCU-MCV, ODU)**

#### *Requirements*

\*Biology 101/4 credits  
\*Biology 206-207/8 credits  
\*Chemistry 101, 102/8 credits  
\*English 100, 101/6 credits  
Mathematics 113/3 credits  
\*Psychology 131 or 132/3 credits  
\*Sociology 101/3 credits  
\*Speech 101/3 credits  
Electives/22 credits  
TOTAL/60 credits

(Recommended elective areas: micro-biology, and organic chemistry.)

\*Required by ODU. In addition, 6 credit hours of selected humanities electives are required.

### **PRE-PHARMACY (VCU-MCV)**

#### *Requirements*

Biology 102, 103/8 credits  
Chemistry 101, 102/8 credits  
Chemistry 205, 206/8 credits  
Economics 210/3 credits  
English 100, 101/6 credits  
Mathematics 161, 162 or 164, 261/6 credits  
Physics 101, 102/8 credits  
Electives/18 credits  
TOTAL/65 credits

Elective credits must be in the humanities, liberal arts and social sciences. Credits in science, mathematics, business, physical education, performing arts, are not acceptable.

### **PRE-PHYSICAL THERAPY (VCU-MCV, ODU)**

#### *Requirements*

Biology 101, 103/8 credits  
Chemistry 101, 102/8 credits  
English 100, 101/6 credits  
Mathematics 161, 162/6 credits  
Social Science\*/6 credits  
Physics 101, 102/8 credits  
Psychology 131 or 132/3 credits  
Psychology elective/3 credits  
Electives\*\*/16 credits  
TOTAL/64 credits

\*Select from anthropology, economics, history, sociology, psychology.

\*\*Recommended electives:  
Biology 206-207; Physical Education 105, 106; Art 100; mathematics or foreign language (VCU-MCV). ODU requires Biology 206-207, Mathematics 111 or any computer science course.

**NOTE:** MCV is planning to change to a three-year (90 credit hours) program prior to admission. Students will be advised of changes as they are announced.



**PRE-OCCUPATIONAL THERAPY  
(VCU-MCV)**

*Requirements*

English 100, 101/6 credits  
Biology 101/4 credits  
Biology 206-207/8 credits  
Psychology 131 or 132/3 credits  
Psychology 240 or 250/3 credits  
Psychology 353/3 credits  
Psychology elective/3 credits  
Sociology 101/3 credits  
Sociology elective/3 credits  
Electives\*/26 credits  
TOTAL/62 credits

\*Students are encouraged to pursue further study in biology, psychology, and sociology.

**MEDICAL TECHNOLOGY  
B.S. DEGREE AWARDED BY LONGWOOD  
(Memorial Hospital of Danville, Roanoke Memorial Hospital,  
Fairfax Hospital, University of Virginia Medical Center)**

*General Education Requirements*

Art, Music or Theatre/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  
Chemistry 101/4 credits  
Mathematics\*/6 credits  
Health Education 100/1 credit  
Physical Education Activity  
Courses/3 credits  
TOTAL/48 credits  
(\*Mathematics 161, 162 recommended)

*Major Requirements*

(affiliated schools)  
University of Virginia/38 credits  
Roanoke Memorial Hospital/42.5 credits  
Danville Memorial Hospital/45 credits  
Fairfax Hospital/32 credits

Information concerning curriculum at the hospitals, expenses, financial aid, etc., is available from the medical technology advisor.

*Major Requirements (Longwood)*

Biology 103/4 credits  
Biology 206-207/8 credits  
Biology 309/4 credits  
Chemistry 102/4 credits  
Chemistry 205/4 credits  
Chemistry 206 or 201/4 credits  
Electives/24 credits  
TOTAL/48 credits



### **PRE-MEDICAL TECHNOLOGY (VCU-MCV)**

#### *Requirements*

Biology 101/4 credits  
Biology elective/4 credits  
Biology 206-207/8 credits  
Chemistry 101, 102/8 credits  
Chemistry 205/4 credits  
Chemistry 201 or 206/4 credits  
English 100, 101/6 credits  
Mathematics 161/3 credits  
Electives\*/19 credits  
TOTAL/60 credits

\*Select from humanities and social sciences. Mathematics 162 and Physics are strongly recommended.

### **PRE-MEDICAL RECORD ADMINISTRATION (VCU-MCV)**

#### *Requirements*

English 100, 101/6 credits  
Speech 101/3 credits  
Sociology 101/3 credits  
Psychology 131 or 132/3 credits  
Economics 210 or 211, 212/  
3 or 6 credits

Mathematics 113/3 credits  
Mathematics elective/3 credits  
Biology 206-207/8 credits  
Biology 101/4 credits  
Electives\*/24 credits  
TOTAL/60 credits

\*Typing is recommended.

### **PRE-NURSING CURRICULUM (VCU-MCV, U.Va.)**

#### *Requirements*

Biology 101/4 credits  
Biology 206-207/8 credits  
Biology 309/4 credits  
Chemistry 101, 102/8 credits  
Mathematics 113 or 161/3 credits  
English 100, 101/6 credits  
Philosophy 200 or 300/3 credits  
Philosophy elective/3 credits  
Speech 101/3 credits  
Home Economics 235/3 credits  
Psychology 131 or 132/3 credits  
Psychology 240, 250/6 credits  
Sociology 101/3 credits  
Geography 201/3 credits  
Sociology 341/3 credits  
TOTAL/63 credits

Exceptional students may apply for transfer to U.Va. after one year at Longwood with appropriate course selection.



### PRE-MEDICAL CURRICULUM (VCU-MCV, U.Va., Eastern Virginia Medical School)

Pre-medical students usually major in Biology, Chemistry, or Physics. Since requirements of medical schools may vary considerably, students should communicate with the pre-medical curriculum advisor.

### PRE-DENTISTRY (VCU-MCV)

Pre-dentistry students usually major in Biology, Chemistry, or Physics. The entrance requirements at MCV should be followed closely by pre-dentistry students.

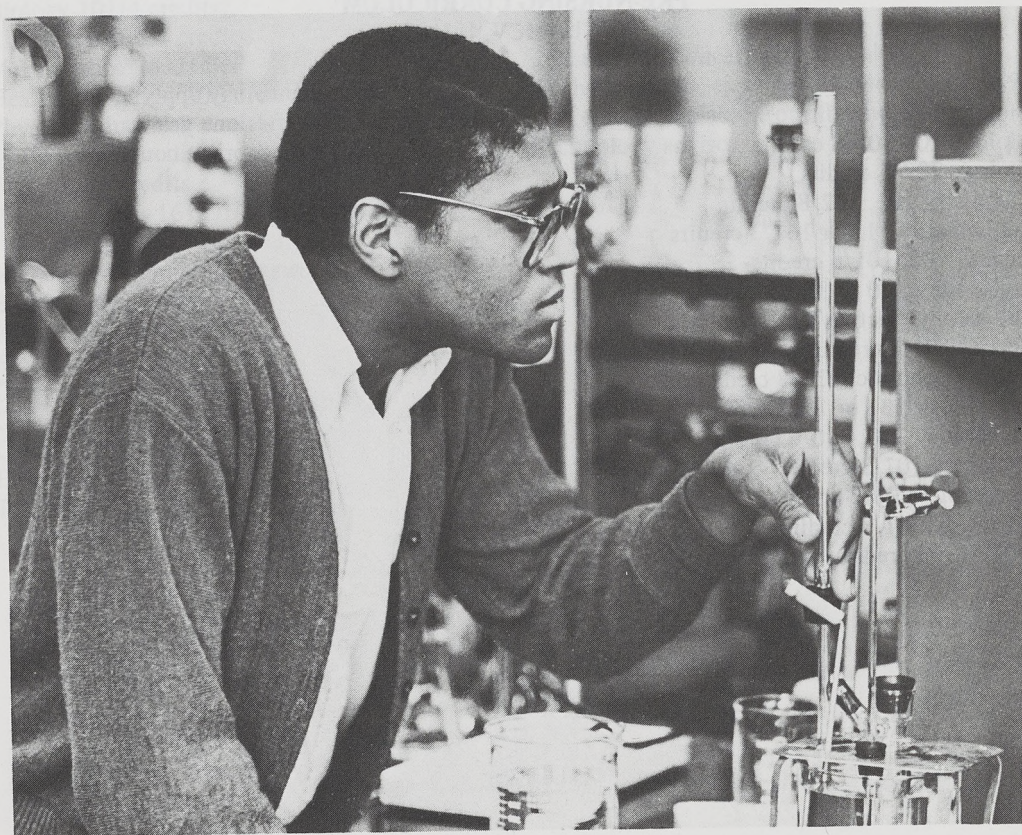
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### SCIENCE (70)

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*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 periods a week; 3 credits.

*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, Earth Science 101 and 102. 1 single and 2 double periods a week; 3 credits.





# Philosophy

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## See Department of English, Philosophy and Foreign Languages

A major in Philosophy is offered leading to the B.A. degree. In this major there is a core of seven courses (21 hours), which are required. The remaining three courses may be chosen from a wide variety of electives.

The faculty in philosophy also offers a minor program for which six courses (18 credits) are required.

The objectives of both the major and minor programs are as follows: (1) to develop the skill to examine critically the philosophical problems which are basic and perennial for any serious-minded and reflective person; (2) to begin to develop a personal philosophy or system of beliefs concerning those issues; (3) to provide a broad background in the history of western thought; (4) to provide a service to other disciplines by offering "bridge courses" which analyze problems and theories in other fields in both the humanities and sciences, both natural and social.

### PHILOSOPHY MAJOR, B.A. DEGREE

#### *General Education Requirements*

Art, Music or Theatre/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  
Biological Science/4 credits  
Physical Science/4 credits  
Mathematics/6 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/3 credits  
TOTAL/51 credits

\*Select from two of the following: History, Geography, Government, Sociology, Anthropology, and Economics.

#### *Major Requirements*

Philosophy 200/3 credits  
Philosophy 210, 211, 212, 213  
(any three courses)/9 credits  
Philosophy 300/3 credits  
Philosophy 305/3 credits  
Philosophy 480/3 credits  
Philosophy electives (choose three  
courses from: Philosophy 310,  
320, 350, 355, 360, 365, 367;  
Government 331, 332)/9 credits  
TOTAL/30 credits

### MINOR IN PHILOSOPHY

Philosophy 200/3 credits  
Philosophy 210, 211, 212, 213  
(any two courses)/6 credits  
Philosophy 305, 310, 315 (any  
course)/3 credits

Philosophy electives (two additional  
philosophy courses OR Government  
331 and 332)/6 credits  
TOTAL/18 credits

See the section *General Education Requirements*, in this catalog, for specific restrictions.



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## PHILOSOPHY (54)

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*Philosophy 200. INTRODUCTION TO PHILOSOPHY.* Critical examination of basic problems of philosophy in various fields, e.g. ethics, religion, psychology. Attention to both critical analysis and systematic thinking. An introduction to ideas considered in most of the remaining courses in philosophy. Attention to the development of a system of beliefs in the student. Modern and contemporary readings. 3 periods a week; 3 credits.

*Philosophy 205H. TECHNOLOGY AND THE HUMAN CONDITION.* The nature of technology and its effects on the human condition. The dispute between technological optimists and the pessimists, and specific areas of technological development such as agribusiness. Draw upon literature, economics, and political theory to investigate whether technology is leading to the elimination of scarcity and its associated problems, or to Brave New World. 3 periods a week; 3 credits.

*Philosophy 210. SURVEY OF ANCIENT PHILOSOPHY.* A survey of the development of western thought during the hellenic and hellenistic periods; that is, from Homer to Roman thought. Emphasis on the "golden age of Athens" and on Plato and Aristotle. 3 periods a week; 3 credits.

*Philosophy 211. SURVEY OF MEDIEVAL PHILOSOPHY.* A survey of the development of western thought during the Medieval and Renaissance periods. Emphasis on the Christian philosophies of Augustine and Aquinas and on the humanistic philosophies of the Italian renaissance. 3 periods a week; 3 credits.

*Philosophy 212. SURVEY OF EARLY MODERN PHILOSOPHY.* A survey of the development of western thought from the 16th century through the 19th century. Emphasis on the philosophical traditions from Hobbes in the British Isles and from Descartes on the continent, especially on Descartes, Locke, and Hume. 3 periods a week; 3 credits.

*Philosophy 213. SURVEY OF NINETEENTH CENTURY PHILOSOPHY.* A

survey of the development of western thought from Kant to the beginning of the 20th century. Emphasis on Kant's position as a solution to problems raised in the 18th century, and to the development of German philosophy in Schopenhauer, Hegel, and Marx. The foundations of existentialism. 3 periods a week; 3 credits.

*Philosophy 240. HISTORY AND PHILOSOPHY OF RELIGIONS: FAR EASTERN.* A survey of the religious traditions of India, China, Japan, and Southeast Asia with emphasis upon Hinduism and Buddhism. 3 periods a week; 3 credits.

*Philosophy 241. HISTORY AND PHILOSOPHY OF RELIGIONS: WESTERN.* A survey of religions originating in the Near and Middle East with emphasis upon Judaism, Christianity and Islam. 3 periods a week; 3 credits.

*Philosophy 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 philosophy on these themes is developed. Readings from the Bible and from works written from the historicist point of view. 3 periods a week; 3 credits.

*Philosophy 300. LOGIC.* The fundamentals of deduction and induction which aid the student in developing habits of valid thinking and in understanding the scientific method. Emphasis on deductive logic and on tools for analysis of issues in different fields of inquiry. 3 periods a week; 3 credits.

*Philosophy 305. ETHICS.* A critical examination of normative ethical theories and of how they may be employed to resolve representative current moral problems. Attention given to certain related meta-ethical issues such as freedom and determinism, relativism and absolutism and the meaning and justification of ethical judgments. Modern and contemporary readings. 3 periods a week; 3 credits.

*Philosophy 310. BUSINESS ETHICS.* A study of ethical theory and an application of its principles and concepts to the analysis and solution of cases of moral problems in business. Emphasis will be on detection of



moral problems in business, on normative ethical theories, on such fundamental concepts as autonomy, responsibility and justice, and on the process of ethical reasoning required to resolve a variety of moral problems actually encountered in the business world. 3 periods a week; 3 credits.

*Philosophy 315. BIOMEDICAL ETHICS.* Ethical inquiry into the concepts of person, autonomy, rights, responsibility, and justice relevant to biomedicine and their application to issues of euthanasia, abortion, genetic control, the definition of death, allocation of scarce medical resources, experimentation with human beings, and intentional deception in bio-medicine. 3 periods a week; 3 credits.

*Philosophy 320. AMERICAN THOUGHT.* A survey of the development of American philosophy from its colonial beginnings to the present. Emphasis on the development of native American pragmatism in Pierce, James and Dewey. 3 periods a week; 3 credits.

*Philosophy 350. AESTHETICS.* A study of theories of art and beauty, including the relation between beauty and the arts, the function and value of the arts in culture, and standards for criticism and judgments of beauty. 3 periods a week; 3 credits.

*Philosophy 355. PHILOSOPHY OF MIND.* A study of such leading theories as dualistic interactionism, behaviorism and materialism, which concern the nature of the person, self-knowledge, the relation to the mental and the physical and human action. Emphasis on theories of the self or person and on criteria for the evaluation thereof. Classical, modern and contemporary sources. 3 periods a week; 3 credits.

*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.

*Philosophy 365. PHILOSOPHY OF SCIENCE.* An examination of such issues as the logic of scientific reasoning and method, the distinction between science and pseudoscience, the analysis of central concepts in science, especially causality, law and explanation, and finally, the relation of science and values in our culture. Attention will be given to the development of a consistent point of view on these issues. Examples will be drawn from a broad range of sciences, both natural and social. 3 periods a week; 3 credits.

*Philosophy 480. SEMINAR IN PHILOSOPHY.* An intensive study of one of the major philosophers emphasized in the introductory four-course sequence in the history of western philosophy. Lectures on the systematic position in general and student papers on particular topics on or about that position. Readings from major works of the philosopher chosen and from important critical secondary sources. Prerequisites: completion of the other specified required courses for either the major or minor programs in philosophy or permission of instructor. 3 periods a week; 3 credits.

*Philosophy 490. INDEPENDENT STUDY.* A directed reading and/or research program on a topic or thinker selected by the student and approved by the director. 3 credits.



# Physics

## See Department of Natural Sciences

L. Raymond Fawcett, Jr., *Director*

The physics major at Longwood provides fundamental training in several areas of physics so that graduates may pursue graduate study or careers in research, industry, teaching, or engineering. Those who wish to major in physics may choose from the following options:

1. *traditional physics major* for students interested in preparation for graduate work or careers in research or industry.
2. *pre-medical/biophysics concentration* for students interested in preparation for medical school or graduate work in biophysics.
3. *multidisciplinary teaching program* for students interested in teaching endorsement in mathematics and physics.
4. *pre-engineering* for students interested in cooperative engineering programs.

A minimum of 32 semester hours credit in physics is required for all physics majors. Many physics majors elect to double major in both physics and some other discipline. Also, a student majoring in another field may choose to minor in physics. The minor program requires 24 semester hours in physics.

A student seeking teaching endorsement in physics shall have 128 credit hours of courses, including courses in chemistry, biology, and mathematics, including calculus. If an additional endorsement in another science discipline is desired, the student must take a minimum of 18 credit hours in that discipline and meet all core requirements in the discipline.

### PHYSICS MAJOR, B.S. or B. A. DEGREE

#### *General Education Requirements*

Art, Music or Theatre/6 credits  
English 100, 101/6 credits  
Humanities elective/3 credits  
Literature/3 credits  
History 121 or 122/3 credits  
Physics 101 or 201/4 credits  
Physics 321/4 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

\*The student may elect to begin the mathematics sequence with Mathematics 261.

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200-level and choose the humanities elective from literature, philosophy, or religion.

#### *Major Requirements*

\*Biology 101, 102 or 103/4 credits  
Chemistry 101/4 credits  
Mathematics 261, 262/10 credits  
Mathematics 361/3 credits  
Mathematics 460/3 credits  
Physics 102 or 202/4 credits  
Physics 331/4 credits  
Physics 332 or 341/4 credits  
Physics 352/4 credits  
Physics electives/8 credits  
TOTAL/48 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

See also last paragraph above.

\*Physics majors not seeking teacher certification must substitute Chemistry 102 (4 credits) for this biology requirement.



## PHYSICS MAJOR, B.S. or B.A. DEGREE (Multidisciplinary Teaching Certification)

(Courses in this program fulfill the certification requirements in the fields of  
Mathematics and Physics.)

### *General Education Requirements*

Art, Music or Theatre/6 credits  
English 100, 101/6 credits  
Literature/3 credits  
Humanities elective/3 credits  
History 121 or 122/3 credits  
Biology 101, 102 or 103/4 credits  
Chemistry 101/4 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

\*The student may elect to begin the mathematics sequence with Mathematics 261.

### *Certification & Major Requirements*

Mathematics 261, 262/10 credits  
Mathematics 460/3 credits  
Mathematics 235/3 credits  
Mathematics 342/3 credits  
Mathematics 371/3 credits  
Physics 101, 102 or 201, 202/8 credits  
Physics 321/4 credits  
Physics 331/4 credits  
Physics 332 or 341/4 credits  
Physics 352/4 credits  
Physics elective/8 credits  
TOTAL/54 credits

Recommended elective: Mathematics 451.

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200 level and choose the humanities elective from literature, philosophy or religion.

(The mathematics endorsement requires at least 27 semester hours in mathematics.)

### *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

See also last paragraph on preceding page.

Education 402 (Directed Teaching) must include student teaching in Mathematics and either General Science or Physics.





## PHYSICS MAJOR, B.S. or B.A. DEGREE (Pre-Medicine and Biophysics Concentration)

### *General Education Requirements*

Art, Music or Theatre/6 credits  
 English 100, 101/6 credits  
 Literature/3 credits  
 Humanities elective/3 credits  
 History 121 or 122/3 credits  
 Biology 102/4 credits  
 Chemistry 101/4 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

\*The student may elect to begin the mathematics sequence with Mathematics 261.

### *Major & Concentration Requirements*

Biology 103/4 credits  
 Biology 306/4 credits  
 Biology 309, 312/4 credits  
 Biology 324/4 credits  
 Chemistry 102/4 credits  
 Chemistry 205/4 credits  
 Chemistry 206/4 credits  
 Mathematics 261, 262/10 credits  
 Mathematics 361/3 credits  
 Mathematics 460/3 credits  
 Physics 101, 102 or 201, 202/8 credits  
 Physics 321, 322/8 credits  
 Physics 331/4 credits  
 Physics 341/4 credits  
 Physics 352/4 credits  
 Physics elective/4 credits  
 TOTAL/76 credits

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200 level and choose the humanities elective from literature, philosophy or religion.





**PRE-ENGINEERING 3 + 2**  
**(Georgia Institute of Technology)**

**B.S. or B.A. Degree in Physics Granted by Longwood**  
**B.S. Degree in Engineering Granted by Georgia Institute of Technology**

Students in the 3 + 3 Dual Degree Program attend Longwood College for the first three years to complete the major part of the Longwood degree requirements as well as the requirements for the first two years of engineering degree at G.I.T. At the beginning of the fourth year, the student transfers to G.I.T. for the final two years. Upon completing the Longwood requirements at G.I.T., the student receives a bachelor's degree in physics from Longwood, normally at the end of his/her first year at G.I.T. He receives a bachelor's degree in any of the several degree areas offered by the G.I.T. College of Engineering at the end of the fifth year or when all prescribed courses are completed. Thus, in the five-year period, the student earns two bachelor's degrees, one from each institution.

*General Education Requirements*

Art (261, 262; 364; 367) or Music  
(except courses center on performance  
of a musical instrument)/6 credits  
English 100, 101/6 credits  
Literature/3 credits  
History 121 or 122/3 credits  
Government 215 or 455/3 credits  
Social Science\*/6 credits  
Humanities\*\* or Philosophy 200, 215,  
216, 305, 365; Psychology 131, 132,  
331, 353/3 credits  
Physics 101 or 201/4 credits  
Physics 321/4 credits  
Mathematics 161, 162 or 164(1)/6 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/  
3 credits  
TOTAL/48 credits

\*Economics 210, 211, 212; Govern-  
ment 201, 215, 216, 455; History (any);  
Sociology 101, 102, 332, 360. At least  
one course must come from Economics,  
History or Sociology.

\*\*Must come from any of the above  
art, literature or music listings.

*Major Requirements*

Chemistry 101, 102/8 credits  
Mathematics 261, 262/10 credits  
Mathematics 343, 361, 461/9 credits  
Mathematics 460/3 credits  
Physics 102 or 202/4 credits  
Physics 326 or 332/4 credits  
Physics 331/4 credits  
Physics 341/4 credits  
Physics 352/4 credits  
Physics elective/4 credits  
TOTAL/54 credits

Students seeking the B.A. degree must take  
3 semester hours of one foreign language  
at the 200 level and choose the humanities  
elective from literature, philosophy or  
religion.

NOTE: 126 hours are required for gradu-  
ation with a cumulative average of 2.0 and  
a 2.0 average in all major courses. For the  
additional 24 hours<sup>(2)</sup> of course work not  
specified above, transfer credit will be given  
by Longwood for 24 hours<sup>(3)</sup> of courses  
pass (with grades of "C" or above) in the  
engineering curriculum upon completion  
of the first year at G.I.T.

(1) The student may elect to begin the mathematics sequence with 261.

(2) 1.0 semester hours = 1.5 quarter hours.

(3) 30 semester hours if Mathematics 161, 162 is by-passed.



**PHYSICIST TO MASTER'S IN ELECTRICAL ENGINEERING 3 + 3**  
(Department of Electrical Engineering, University of Virginia)

**B. S. or B. A. Degree in Physics Granted by Longwood**  
**M.E. or M.E. Degree in Electrical Engineering Granted by University of Virginia**

Students in this 3 + 3 Dual Degree Program attend Longwood College for three years (including one summer) to complete at least 114 semester hours of the Longwood degree requirements. At the beginning of the summer prior to the fourth year, the student enrolls in the Physicist to Electrical Engineer summer program at the University of Virginia. Upon completion of this summer program with a grade of "B" or better, the student will be ready to follow a regular electrical engineering graduate program. In addition, satisfactory completion of this summer program completes the semester hour requirement for the Longwood Bachelor's Degree in Physics. The University of Virginia Master's Degree in Electrical Engineering Program is designed to require between 15 and 24 months to complete depending upon the type of master's sought. A Longwood physics major who (a) applies for admission, (b) has taken the GRE general examination, and (c) completes with a "B" overall average and a B+ in the major the course requirements listed below, may expect to be admitted into the Electrical Engineering Master's Program for Physicists. Thus, in the five-year period, the student has the opportunity to earn both the Bachelor's Degree in Physics from Longwood and the Master's Degree in Electrical Engineering from the University of Virginia.

*General Education Requirements*

Art, Music or Theatre/6 credits  
English 100, 101/6 credits  
Humanities elective/3 credits  
Literature/3 credits  
History 121 or 122/3 credits  
Physics 101 or 201/4 credits  
Physics 321/4 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*

Chemistry 101, 102/8 credits  
Mathematics 261, 262/10 credits  
Mathematics 361/3 credits  
Mathematics 460/3 credits  
Physics 102 or 202/4 credits  
Physics 331/4 credits  
Physics 332/4 credits  
Physics 441/4 credits  
Physics 352/4 credits  
Physics elective/4 credits  
TOTAL/48 credits

Electives/18 credits

*Recommended Electives*

Computer Science 205/3 credits  
Computer Science 302/3 credits  
Mathematics 343/3 credits  
Mathematics 371/3 credits

NOTE: 126 hours are required for graduation from Longwood with a cumulative average of 2.0 and a 2.0 average in all major courses. For the additional 12 hours not specified above, at the request of the student, 12 hours of transfer credit will be awarded by Longwood upon completion of the Physicist to Electrical Engineering summer course (provided the grade is "C" or above).

\*The student may elect to begin the mathematics sequence with Mathematics 261.



## PRE-ENGINEERING 3 + 2

(Old Dominion University)

B.S. or B.A. Degree in Physics Granted by Longwood

B.S. Degree in Engineering Granted by Old Dominion University

Students in the 3 + 2 Dual Degree Program attend Longwood College for the first three years to complete the major part of the Longwood requirements as well as the requirements for the first two years of the engineering degree at ODU. At the beginning of the summer prior to the fourth year, the student transfers to ODU for the final two years. Upon completing the Longwood requirements at ODU, the student receives a bachelor's degree in physics from Longwood, normally at the end of his/her first year at ODU. He receives the bachelor's degree in Civil, Electrical, or Mechanical Engineering from ODU at the end of the fifth year. Thus, in the five-year period, the student earns two bachelor's degrees, one from each institution.

### *General Education Requirements*

Art (160, 261, 262, 263), Music 127,  
123, 231, 232), or Theatre 101/6 credits  
English 100, 101/6 credits  
Literature (English 243)/3 credits  
History 121 or 122/3 credits  
Social Science\*/9 credits  
Humanities\*\*/3 credits  
Physics 101 or 201/4 credits  
Physics 321/4 credits  
Mathematics 161, 162 or 164\*\*\*/6 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/  
3 credits  
TOTAL/48 credits

\*Must come from at least two of the following: Anthropology 101, 102; Economics 210, 211, 212; Geography 251, 252, 201; Government 341, 332, 441, 216; History 111, 112, 121, 122, 353, 354, 356; Sociology 101.

\*\*Must come from any of the above Art, Theatre, Literature or Music listings; or Philosophy 200, 300, 215, 216, 360, 365; Psychology 131, 132.

\*\*\*The student may elect to begin the mathematics sequence with Mathematics 261.

### *Major Requirements*

Chemistry 101, 102/8 credits  
Computer Science 205/3 credits  
Mathematics 261, 262/10 credits  
Mathematics 361, 460/6 credits  
Mathematics 343/3 credits  
Physics 102 or 202/4 credits  
Physics 331/4 credits  
Physics 326 or 332/4 credits  
Physics 341/4 credits  
Physics 352/4 credits  
Physics elective/4 credits  
TOTAL/54 credits

Students seeking the B.A. degree must take 3 semester hours of one foreign language at the 200 level and choose the humanities elective from literature, philosophy or religion.

NOTE: 126 hours are required for graduation from Longwood with a cumulative average of 2.0 and a 2.0 average in all major courses. For the additional 24 hours not specified above, transfer credit will be given by Longwood for 24 hours of courses passed (with grades of "C" or better) in the engineering curriculum upon completion of the first year at ODU.

## PHYSICS MINOR

Students interested in pursuing a physics minor should contact the director of the physics program. The minor must include:

8 semester hours general physics  
16 semester hours advanced physics courses

TOTAL/24 hours

NOTE: Mathematics 261, 262 required in most of these courses.

The teaching endorsement in physics requires the 24 semester hours of the minor plus Psychology 250, Education 455 and the professional semester, including student teaching. If an additional endorsement in biology, earth science, or chemistry is desired, the student must take a minimum of 18 credit hours in that discipline.



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## PHYSICS (61)

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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.

*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.

*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.

*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.

*Physics 321. ATOMIC AND NUCLEAR PHYSICS I.* A survey of modern developments in electron, atomic, and nuclear physics. Prerequisite: Physics 101, 102 or 201, 202. Prerequisite or corequisite: Mathematics 261. 3 single and 1 three-hour periods a week; 4 credits.

*Physics 322. ATOMIC AND NUCLEAR PHYSICS II.* A continuation of Physics 321. Prerequisite: Physics 101, 102 or 201, 202. Prerequisite or corequisite: Mathematics 261. 3 single and 1 three-hour periods a week; 4 credits.

*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: Physics 101, 102 or 201, 202. Prerequisite or corequisite: Mathematics 261. Offered on demand; 3 single periods a week; 3 credits.

*Physics 326. LIGHT.* A study of the nature and behavior of light and other electromagnetic radiation. Prerequisite: Physics 101, 102 or 201, 202, Mathematics 261. 3 single and 1 triple periods a week; 4 credits.

*Physics 331. A.C. AND D.C. CIRCUITS.* A review of basic electricity and magnetism. A.C. and D.C. circuits, transients, resonance, electrical and magnetic measurements. Prerequisite: Physics 101, 102 or 201, 202. Prerequisite or corequisite: Mathematics 261. 3 single and 1 triple periods a week; 4 credits.

*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.

*Physics 341. ELECTRONICS.* A survey of basic electronic circuits and their use in radio, television and other applications; introduction to transistors. Prerequisite: Physics 331 or consent of instructor. 3 single and 1 triple periods a week; 4 credits.

*Physics 352. MECHANICS.* A mathematical study of the physical laws pertaining to matter and motion. Prerequisite: Physics 101, 102 or 201, 202; Mathematics 262. Prerequisite or corequisite: Mathematics 460. 4 single periods a week; 4 credits.

*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 head is prerequisite for enrollment. May be repeated as Physics 463, 464, 2, 3, or 4 credits.



# Department of Physical Education, Health, and Recreation

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Judy R. Johnson, *Head*

Jean Ann Flowers, *Secretary*

The Department offers (1) degree programs in health and physical education and therapeutic recreation, (2) minor programs in dance and coaching, (3) an opportunity for participation in aquatic arts and dance performing groups, (4) a variety of activity classes for students to develop fitness and skills in life-time sports and activities, (5) health classes structured to provide students with knowledge about current health problems and attitudes toward maintaining a state of good health and fitness through our life.

## Faculty

\*Nancy Andrews, *Associate Professor*  
Eleanor W. Bobbitt, *Professor*  
Carolyn R. Callaway, *Assistant Professor*  
Sandra K. Cross, *Assistant Professor*  
Gerald P. Graham, *Associate Professor*  
Phyllis W. Harriss, *Assistant Professor*  
Mary A. Heintz, *Professor*  
Anne H. Huffman, *Assistant Professor*  
Sandra L. Hupp, *Instructor*  
Judith R. Johnson, *Associate Professor*  
*and Head*  
Illka Keskinen, *Exchange Professor*  
Nelson D. Neal, *Assistant Professor*  
Shirley M. O'Neil, *Professor*  
Lucinda M. Peake-Heath, *Instructor*  
Erkki Tervo, *Exchange Professor*

\*Teaching at the University of Jyväskylä, Jyväskylä, Finland, Fall 1984, under a University to University Exchange Program grant.

## Athletic Staff Holding Faculty Appointment to the Department

Charles B. Bolding, *Instructor*  
\*Ruth L. Budd, *Instructor*  
William G. Carlton, Jr., *Athletic Trainer*  
Shirley Duncan, *Instructor*  
Nanette Fisher, *Instructor*  
Bette Harris, *Associate Professor*  
Carolyn V. Hodges, *Assistant Professor*  
*and Athletic Director*  
Calvin C. Luther, *Associate Professor*  
Ernest Neal, *Instructor*  
Steve Nelson, *Instructor*  
Richard J. Posipanko, *Instructor*  
Barbara B. Smith, *Professor*

## HEALTH AND PHYSICAL EDUCATION PROGRAM

### Health and Physical Education Curriculum – General Education

All students are required to complete one semester 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 exempt swimming through testing. If this occurs, the student may replace the swimming credit with another physical education activity credit.

If a student signs up for a class which is not appropriate to the student's skill level, the student will be asked to move to a different level or drop the class. Students are allowed to take a maximum of one credit in an activity course at any level.

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

### Professional Health and Physical Education Program

There are five instructional programs culminating in a Bachelor of Science degree with a major in health and physical education. All physical education majors must take a core of pro-



fessional physical education activity and skill courses, then depending upon interest and career goals, the student must choose one of the following options:

*Teacher Education Options*  
 Secondary Certification  
 Elementary and Secondary  
 Certification

*Non-Teaching Options*  
 Athletic Training  
 Fitness Specialist  
 Sports Communication

Students in the teacher education option may elect any of the following concentrations:  
 (1) Adapted Physical Education, (2) Athletic Training, (3) Coaching, (4) Health.

All physical education majors must make a minimum grade of "C" on each course taken as a part of the skill core and the physical education activities required under the general education requirement. A student must have completed a Level I course with a grade of "C" or better before enrolling in a Level II skill core course of that same skill. A 2.0 is required prior to student teaching and internship experiences. Health and physical education majors must be classified as intermediate swimmers to be exempt from a swimming class. Additional policies and standards for physical education majors are in the Physical Education Major Student Handbook.

### **B.S. IN PHYSICAL EDUCATION** **Elementary and Secondary Certification Option NK-12**

*General Education Requirements*

Art, Music, Theatre/6 credits  
 English 100, 101/6 credits  
 Literature/3 credits  
 Humanities/3 credits  
 History 121 or 122/3 credits  
 Social Science/9 credits  
 Biology 206, 207/8 credits  
 Mathematics or Computer Science/6 credits  
 Health Education 101/1 credit  
 Physical Education 115-1/1 credit  
 Physical Education 131/1 credit  
 Physical Education 101 or 116/1 credit  
 TOTAL/48 credits

*Professional Core*

PED 285/3 credits  
 PED 275/3 credits  
 PED 260/3 credits  
 PED 386/3 credits  
 PED 387/3 credits  
 PED 462/3 credits  
 TOTAL/18 credits

There may be changes in requirements for NK-12 teacher certification and secondary certification which were not finalized at the time of printing this catalog.

*Teaching Certification*

Psychology 250/3 credits  
 Education 455/3 credits  
 Education 403/5 credits  
 Education 404/5 credits  
 Education 480/2 credits  
 Education 482/2 credits  
 Education 484/1 credit  
 Education 486/2 credits  
 Education 488/1 credit  
 TOTAL/24 credits

*Skill Core*

- a. PED 103, 104, 109, 122, 128, 134, 124 or 224 or REC 237/7 credits
- b. Select two courses from the following:  
 PED 101 or 116, 102, 107, 108, 110 or 111 or 211 or 212 or 311, 119, 125, 133/2 credits
- c. Select two courses from the following:  
 PED 204, 209, 215, 231, 233, 234, 110 or 111 or 211 or 212 or 311/2 credits

*Teaching Option Requirements*

HED 365/3 credits  
 PED 280/3 credits  
 PED 380/3 credits  
 PED 381/3 credits  
 PED 364/3 credits  
 PED 365/3 credits  
 PED 463/3 credits  
 PED 382/3 credits  
 PED 384/1 credit  
 TOTAL/25 credits  
 Electives/3 credits



**B.S. IN PHYSICAL EDUCATION  
SECONDARY CERTIFICATION OPTION 8-12**

*General Education Requirements*

Art, Music, Theatre/6 credits  
English 100, 101/6 credits  
Literature/3 credits  
Humanities/3 credits  
History 121 or 122/3 credits  
Social Science/9 credits  
Biology 206, 207/8 credits  
Mathematics or Computer Science/6 credits  
Health Education 100/1 credit  
Physical Education 131/1 credit  
Physical Education 115/1 credit  
Physical Education 101 or 116/1 credit  
TOTAL/48 credits

*Professional Core*

PED 285/3 credits  
PED 275/3 credits  
HED 260/3 credits  
PED 386/3 credits  
PED 387/3 credits  
PE 462/3 credits  
TOTAL/18 credits

*Teaching Certification*

Psychology 250/3 credits  
Education 455/3 credits  
Education 402/10 credits  
Education 480/2 credits  
Education 482/2 credits  
Education 484/1 credit  
Education 486/2 credits  
Education 488/1 credit  
TOTAL/24 credits

*Skill Core*

- a. PED 103, 104, 109, 122, 128, 134, 124 or 224 or REC 237/7 credits
- b. Select two courses from the following:  
PED 101 or 116, 102, 107, 108, 110, or 111 or 211 or 212 or 311, 119, 125, 133/2 credits
- c. Select two courses from the following:  
PED 204, 209, 215, 231, 233, 234, 110 or 111 or 211 or 212 or 311/2 credits

*Teaching Option Requirements*

HED 365/3 credits  
PED 361/3 credits  
PED 280/3 credits  
PED 364/3 credits  
PED 463/3 credits  
PED 384/1 credit  
TOTAL/16 credits  
Electives/12 credits





## SECONDARY CERTIFICATION

### Areas of Concentration

A physical education major in the secondary certification option or elementary-secondary option may elect any of the following concentrations.

#### Adapted Physical Education\*

PED 270/3 credits

PED 381/3 credits

REC 308/3 credits

REC 301 or 302 or 303/3 credits

TOTAL/12 credits

\*Must take Sociology 222.

#### Athletic Training\*

PED 117/1 credit

PED 270/3 credits

PED 271/1 credit

PED 370/3 credits

Home Economics 235/3 credits

TOTAL/11 credits

\*Must take PED 101 and 116  
in skill core.

\*Must take a psychology elective.

#### Coaching

PED 270/3 credits

PED 385/3 credits

PED 495/3 credits

PED electives/3 credits

Choose from the following:

PED 101, 393, 394, 395, 396, 490, 488

TOTAL/12 credits

#### Health (required)

HED 100/1 credit

HED 365/3 credits

HED 345/3 credits

HED 366/3 credits

Select 2 of the following:

HED 235/3 credits

HED 211/3 credits

HED 212/2 credits

TOTAL/15 or 16 credits

## B.S. IN PHYSICAL EDUCATION, SPORTS COMMUNICATION OPTION

#### General Education Requirements

Art 120, 155/6 credits

English 100, 101/6 credits

Literature/3 credits

Humanities/3 credits

History 121 or 122/3 credits

Social Science/9 credits

Biology 206, 207/8 credits

Mathematics or Computer Science/  
6 credits

Health Education 100/1 credit

Physical Education 115, 131, 101/  
3 credits

#### Sports Communication Option Requirements

PED or REC electives/6 credits

Choose from: PED 270, 393, 394,  
395, 396, 495; REC 301, 303,  
361

English 110, 210, 296/6 credits

Speech 311/3 credits

Communications electives/12 credits

Choose from Speech 100, 101, 111, 200;

English 282, 110, 210, 296; Art 221

General electives/10-14 credits

PED 490, 491/3-6 credits

PED 490, 491/3-6 credits

TOTAL/33-39 credits

#### Professional Core

PED 285/3 credits

PED 275/3 credits

HED 260/3 credits

PED 386/3 credits

PED 387/3 credits

HPED 462/3 credits

TOTAL/18 credits

#### Skill Core

a. PED 103, 104, 109, 122, 128, 134/  
6 credits

b. Select 2 courses from the following:  
PED 101 or 116, 102, 107, 108, 110  
or 111 or 211 or 212 or 311, 119,  
125, 133/2-3 credits

c. Select 2 courses from the following:  
PED 204, 209, 215, 231, 233, 234,  
110 or 111 or 211 or 212 or 311/  
2-3 credits



## B.S. IN PHYSICAL EDUCATION, FITNESS SPECIALIST OPTION

### *General Education Requirements*

Art, Music or Theatre/6 credits  
English 100, 101/6 credits  
Literature/3 credits  
Humanities/3 credits  
History 121 or 122/3 credits  
Mathematics or Computer Science/  
6 credits  
Sociology 101, 370/6 credits  
Social Science/3 credits  
Biology 206, 207/8 credits  
Physical Education 115, 331,  
101/3 credits  
Health Education 100/1 credit  
TOTAL/48 credits

### *Skill Core*

- a. PED 102, 104, 109, 116, 122,  
128, 134, 110 or 111 or 211 or  
311 or 112 or 212/8 credits  
b. Select 2 of the following: PED  
203, 204, 209, 215, 222, 231, 234,  
110 or 111 or 211 or 311 or 112 or  
212/2 credits  
TOTAL/10 credits

### *Professional Core*

PED 285/3 credits  
PED 375/3 credits  
HED 260/3 credits  
PED 386/3 credits  
PED 387/3 credits  
PED 462/3 credits  
TOTAL/18 credits

### *Fitness Option Requirements*

PED 126/1 credit  
PED 270/3 credits  
PED 370/3 credits  
PED 364/3 credits  
PED 388/8 credits  
HPED 463/3 credits  
PED 490/3 credits  
PED 488/3 credits  
PED 499/3 credits  
Home Economics 235/3 credits  
Speech 101/3 credits  
Business 360 or 190/3 credits  
TOTAL/39 credits  
General Electives/13 credits

## B.S. IN PHYSICAL EDUCATION, ATHLETIC TRAINING OPTION

### *General Education Requirements*

Art, Music or Theatre/6 credits  
English 100, 101/6 credits  
Literature/3 credits  
Psychology/3 credits  
History 121 or 122/3 credits  
Mathematics 161, 162/6 credits  
Sociology 101, 370/6 credits  
Social Science/3 credits  
Biology 206, 207/8 credits  
Physical Education 115, 131, 101/  
3 credits  
Health Education 100/1 credit  
TOTAL/48 credits

### *Professional Core*

PED 285/3 credits  
PED 275/3 credits  
HED 260/3 credits  
PED 386/3 credits  
PED 387/3 credits  
PED 462/3 credits  
TOTAL/18 credits

### *Skill Core*

- a. PED 103, 104, 109, 116, 122, 128,  
134/7 credits  
b. Select 1 course from the following:  
PED 102, 107, 108, 119, 125, 133,  
110 or 111 or 211 or 311 or 112 or  
212/1 credit  
c. Select 2 courses from the following:  
PED 203, 204, 209, 215, 222, 231,  
234, 110 or 111 or 211 or 311 or 112  
or 212/2 credits

### *Athletic Training Option Requirements*

Biology 101/4 credits  
Chemistry 101, 102/8 credits  
Physics 101, 102/6 credits  
Home Economics 235/3 credits  
Psychology 250/3 credits  
PED 270/3 credits  
PED 271/1 credit  
PED 370/3 credits  
PED 385/3 credits  
PED 364/3 credits  
PED 463 or Mathematics 271/3 credits  
TOTAL/41 credits  
General Electives/7 credits



## MINORS

### Dance Minor

Students interested in a dance minor must audition to enter the program and are expected to be active members of the Longwood College Company of Dancers for a minimum of two years. Students must also successfully complete the following courses:

PED 132, 232, 332, 432/8 credits  
PED 465/3 credits  
PED 365/3 credits

PED 366/3 credits  
PED 466/2 credits

### Coaching Minor

#### *Required Courses*

PED 270/3 credits  
PED 285/3 credits  
PED 385/3 credits  
PED 392/3 credits  
PED 495/3 credits

#### *Physical Education Electives* (choose 6 from the following)

PED 101/1 credit  
PED 116/1 credit  
PED 393/1 credit  
PED 394/1 credit  
PED 395/1 credit  
PED 396/1 credit  
HED 260/1 credit  
PED 490/1-3 credits  
PED 488/3 credits

TOTAL/21 credits

### Driver Education Endorsement

Any student may elect to take the following sequence of courses and become endorsed to teach driver education in the secondary schools.

HED 260/3 credits  
HED 301/3 credits

HED 302/3 credits  
TOTAL/9 credits

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## PHYSICAL EDUCATION (56)

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Beginning Aerobic Fitness & Weight Control, 101.  
Advanced Aerobic Fitness & Weight Control, 201.  
Beginning Fencing, 102.  
Intermediate Fencing, 202.  
Beginning Gymnastics, 103.  
Intermediate Gymnastics, 203.  
Beginning Tennis, 104.  
Intermediate Tennis, 204.  
Beginning Lacrosse, 105.  
Downhill Skiing, 106.  
Beginning Bowling, 107.  
Intermediate Bowling, 207.  
Beginning Volleyball, 108.  
Intermediate Volleyball, 208.  
Non-Swimmers, 109.  
Beginning Swimming, 111.  
Intermediate Swimming, 211.  
Advanced Swimming, 311.  
Lifesaving, 112.

Water Safety Instructor, 212.  
Lifeguarding & Aquatic Management, 312.  
Beginning Synchronized Swimming, 113.  
Intermediate Synchronized Swimming, 213.  
Beginning Scuba Diving, 114.  
Advanced Open Water Scuba & Coral Reef Ecology, 214. (Held on the Atlantic coral reefs leading to certification in Advanced Open Water [PADI] and Coral Reef Ecology [YMCA]. Prerequisites: Open Water Scuba [PED 212] or Basic Scuba with 10 logged dives.)  
Beginning Soccer, 115.  
Intermediate Soccer, 215.  
Beginning Weight Training, 116.  
Intermediate Weight Training, 216.  
Beginning Canoeing, 117.  
Intermediate Canoeing, 217.  
Beginning Cycling, 118.  
Intermediate Cycling, 218.



Wrestling, 119.  
 Field Hockey, 120.  
 Beginning Archery, 121.  
 Intermediate Archery, 221.  
 Beginning Basketball, 122.  
 Intermediate Basketball, 222.  
 Beginning Equitation, 123.  
 Intermediate Equitation, 223.  
 Advanced Equitation, 323.  
 Camping Skills, 124.  
 Advanced Outdoor Skills, 224.  
 Badminton/Archery, 125.  
 Yoga, 126.  
 Aerobic Dancing, 127.

#### *VARSITY SPORTS PARTICIPATION.*

Open to all students who demonstrate competence in a sport. Tryouts are required. A student may earn a total of 8 credits in a varsity sport 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.

142, 242, 342, 442. WOMEN'S BASKETBALL.

143, 243, 343, 443. MEN'S BASKETBALL.

144, 244, 344, 444. WOMEN'S GOLF.

145, 245, 345, 445. MEN'S GOLF.

146, 246, 346, 446. WOMEN'S TENNIS.

147, 247, 347, 447. MEN'S TENNIS.

148, 248, 348, 448. GYMNASTICS.

149, 249, 349, 449. FIELD HOCKEY.

150, 250, 350, 450. LACROSSE.

151, 251, 351, 451. SOFTBALL.

152, 252, 352, 452. BASEBALL.

153, 253, 353, 453. VOLLEYBALL.

154, 254, 354, 454. SOCCER.

155, 255, 355, 455. WRESTLING.

156, 256, 356, 456. RIDING.

*Physical Education 270. BASIC ATHLETIC TRAINING.* Introduction to the prevention, treatment and rehabilitation concepts, stresses examination and evaluation techniques of injuries. 3 credits.

*Physical Education 271, 272, 371, 372. PRACTICUM IN ATHLETIC TRAINING.* Concentrated clinical experience in athletic training and sportsmedicine with periodic classroom review. Stresses development of diagnostic and treatment skills. Prerequisites: HED 260, PED 270, permission of instructor. 1 credit.

Beginning Soc & Rec Dance, 128.  
 Intermediate Soc & Rec Dance, 228.  
 Beginning Ballet, 129.  
 Intermediate Ballet, 229.  
 Beginning Jazz, 130.  
 Intermediate Jazz, 230.  
 Beginning Modern Dance, 131.  
 Intermediate Modern Dance 231.  
 Advanced Techniques in Modern Dance, 132, 232, 332, 432.  
 Baseball/Football, 133.  
 Beginning Track & Field, 134.  
 Intermediate Track & Field, 234.

*Physical Education 275. FOUNDATIONS OF PHYSICAL EDUCATION AND SPORT.* Survey of the historical philosophical bases of health and physical education. 3 credits.

*Physical Education 280. PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL.* Physical education principles for the elementary school. 3 credits.

*Physical Education 285. MOTOR LEARNING.* Processes and conditions influencing the acquisition and performance of motor skills. 3 credits.

*Physical Education 361. THE TEACHING OF PHYSICAL EDUCATION IN THE SECONDARY SCHOOL.* A study of current practices with emphasis on specific techniques and materials necessary for the formulation of a meaningful health and physical education program in secondary schools. A supervised field experience is included. Prerequisite: HED 100 and 365 or permission of instructor. 3 credits.

*Physical Education 362. ORGANIZATION AND ADMINISTRATION OF INTRAMURALS.* Practice and theory in organizing and administering intramurals. 3 credits.

*Physical Education 364. ADAPTED PHYSICAL EDUCATION.* Symptoms, causes and implications of various types of disabilities in relation to programming. Techniques in individual educational planning, activity adaptation and classroom organization. 3 credits.



*Physical Education 365. DANCE COMPOSITION.* Theory and practice in composition of solo and small group dances. An introductory course designed for those students interested in choreography. 3 credits.

*Physical Education 366. CHOREOGRAPHIC PROBLEMS.* Theory and practice in solving specific choreographic problems through solo or group dances, designed for students interested in advanced training. Prerequisite: 365 or permission of instructor. 3 credits.

*Physical Education 370. ADVANCED ATHLETIC TRAINING.* Designed for the advanced student and prospective professional. Concentrates on advanced treatment and evaluation techniques and rehabilitation following athletic trauma or surgery. Prerequisites: HED 260, PED 270, Biology 206, 207, permission of instructor. 3 credits.

*Physical Education 380. 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 credits.

*Physical Education 381. PERCEPTUAL MOTOR ACTIVITIES.* An examination of motor development and activities which enhance the psychomotor abilities and academic skills and concepts in young children. 3 credits.

*Physical Education 382. SEMINAR IN ELEMENTARY SCHOOL PHYSICAL EDUCATION.* A seminar course designed to study current literature relevant to children and elementary school physical education and to direct developmental activities for children with supervision. 3 credits.

*Physical Education 385. SPORT PSYCHOLOGY.* An examination of the psychological dimensions which influence an athlete's skill acquisition and performance in the competitive environment. 3 credits.

*Physical Education 386. KINESIOLOGY.* Study of human motion, including structural and mechanical kinesiology with emphasis on anatomic and biomechanical principles, application of these principles in the analysis

of human motion — basic neuromuscular skills, sports, dance and all physical education activities. Practical application of biomechanics for teaching, coaching and physical medicine. 3 credits.

*Physical Education 387. PHYSIOLOGY OF EXERCISE.* Lecture and laboratory experiences in the physiological responses of the body to physical activity in everyday life and in sports. Prerequisite: Biology 206. 3 credits.

*Physical Education 388. FITNESS INTERNSHIP.* An 8-10 week supervised field experience (minimum of 320 clock hours). The internship will take place during the summer between the junior and senior years. To be eligible for participation the student must be of junior standing, enrolled in the fitness specialist option and have an overall GPA of 2.0. Prerequisite: PED 387. 8 credits.

*Physical Education 390. ELEMENTARY SCHOOL HEALTH AND PHYSICAL EDUCATION.* Health and physical education principles and activities for the elementary school. For elementary majors. 3 credits.

*Physical Education 392. MECHANICAL AND PHYSIOLOGICAL PRINCIPLES OF SPORT AND EXERCISE.* The physiological responses of the body to exercise and the mechanical principles of human movement. Designed for students other than physical education majors. Physical Education majors may not take this course. 3 credits.

*Physical Education 393, 394, 395, 396. PRINCIPLES AND TECHNIQUES OF OFFICIATING.* The study of current roles and practices in the techniques of officiating. (393—Field Hockey; 394—Gymnastics; 395—Volleyball; 396—Basketball) 1 credit.

*Physical Education 462. ORGANIZATION AND ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION PROGRAMS.* Administrative theory applicable to a variety of settings including education, industry, health clubs, Y's. 3 credits.

*Physical Education 463. 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. 3 credits.

*Physical Education 465. SURVEY OF CONTEMPORARY DANCE.* Comparative study and analysis of dance through film and literature. 2 credits.

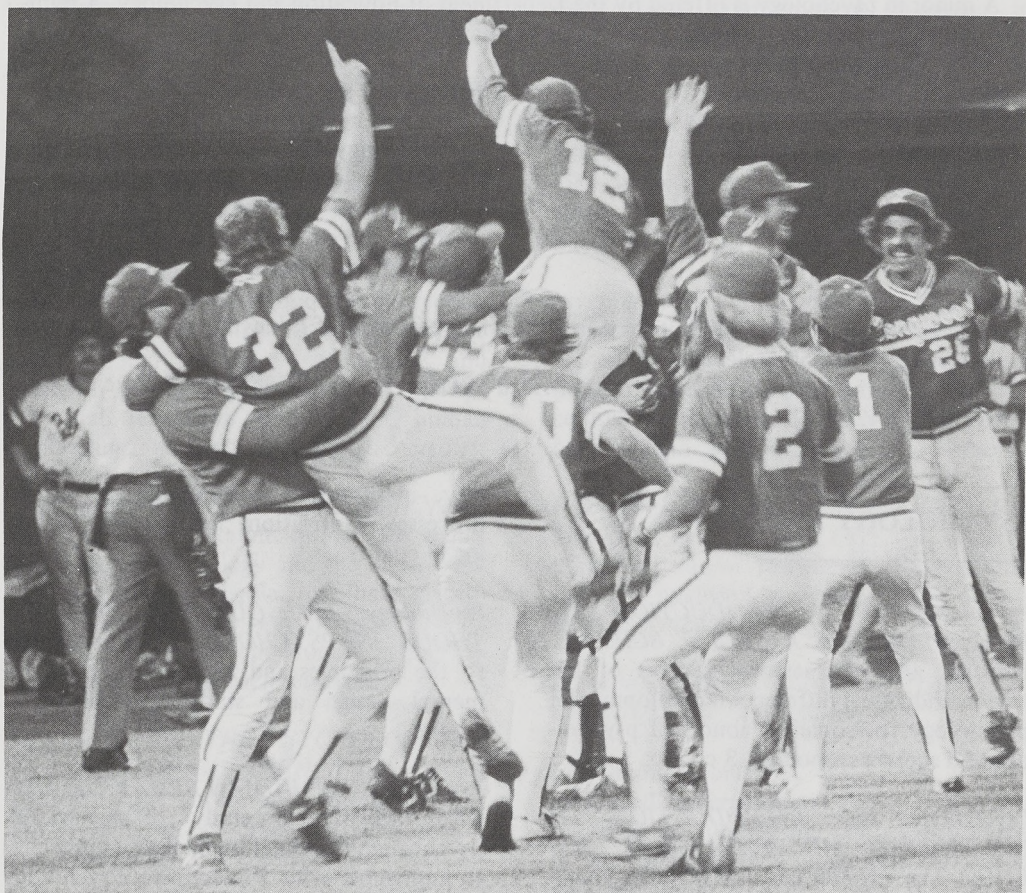
*Physical Education 466. DANCE IN EDUCATION.* Theory and practice in methods of teaching dance activities. 2 credits.

*Physical Education 488. ADVANCED FITNESS CONCEPTS.* An in-depth, advanced study of selected topics in exercise and physical fitness. Emphasis is placed on a review of current literature and the development of various techniques for the evaluation of physical fitness. Prerequisites: PED 386, 387, and Home Economics 235. 3 credits.

*Physical Education 490, 491. PRACTICUM.* Supervised experience in one or more of the following areas of the professional curriculum: teaching, coaching, communication and fitness specialist. Credit and hours to be arranged (maximum of 6 credit hours).

*Physical Education 495. COACHING INTERSCHOLASTIC AND INTERCOLLEGIATE ATHLETICS.* A seminar course to include the following topics: the role of athletics in the educational setting; the organization and administration of athletics on the interscholastic and intercollegiate levels; the role of the teacher/coach; and special issues in athletics. 3 credits.

*Physical Education 497, 498, 499. SPECIAL PROJECTS IN PHYSICAL EDUCATION.* Independent study and research projects for qualified students. 1, 2, or 3 credits.





# Psychology

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See Department of Education and Psychology

## PSYCHOLOGY MAJOR, B. S. DEGREE

### *General Education Requirements*

Art, Music or Theatre/6 credits  
English 100, 101/6 credits  
Literature/3 credits  
Philosophy 365/3 credits  
History 121 or 122/3 credits  
Economics or Government/3 credits  
Sociology and/or Anthropology/6 credits  
Mathematics 111, 113/6 credits  
Biology 101, 323/8 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

## MINOR

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

Psychology 131, 132/6 credits  
Psychology 361 or 422/3 credits  
Three hours selected from 200 & 300 courses, including:  
Psychology 222, 240, 250, 356, 359, 331, 353

Three hours selected from 400 & 500 courses, including:  
Psychology 423, 424, 457, 521\*, 523, 555\*\*  
Three hours of electives selected from any of the courses above.  
TOTAL/18 credits

\*Not to be selected without approval of Head of Department of Education & Psychology if Psychology 240 or 250 is elected.

\*\*Not to be selected without approval of Head of Department of Education & Psychology if Psychology 422 is elected in first column.

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## PSYCHOLOGY (63)

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*Psychology 131. INTRODUCTION TO PSYCHOLOGY AS A SOCIAL SCIENCE.* Personal and interpersonal aspects of behavior. Individual differences, developmental psychology, personality, abnormal psychology and social psychology. 3 credits.

*Psychology 132. INTRODUCTION TO PSYCHOLOGY AS A NATURAL SCIENCE.* The organic basis of behavior, here-

dity, maturation, sensory and perceptual processes, motivation, learning and thinking. 3 credits.

*Psychology 134. QUANTITATIVE METHODS IN PSYCHOLOGY.* Introduction to the principles and techniques of experimental design and statistical analysis. 3 credits.

*Psychology 222. HUMAN BEHAVIOR THEORY.* Theoretical study of behavioral, psychoanalytical, and humanistic approaches to human behavior. Prerequisite: Psychology 131 or 132. 3 credits.



*Psychology 240. DEVELOPMENTAL PSYCHOLOGY I—CHILD PSYCHOLOGY.* A consideration of the development of physical traits, intelligence, social behavior, personality and adjustment from conception through pre-adolescence. Required of all majors in Elementary Education. (Not open to Psychology majors.) 3 credits.

*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 Education and Secondary majors in the teacher education program. (Not open to Psychology majors.) 3 credits.

*Psychology 331. SOCIAL PSYCHOLOGY.* A study of psychological factors involved in social behavior. 3 credits.

*Psychology 353. THE PSYCHOLOGY OF ADJUSTMENT.* A dynamic and experimental approach to the study of personality. Prerequisite: 3 hours of psychology. 3 credits.

*Psychology 356. ABNORMAL PSYCHOLOGY.* Description and explanation of the psychological aspects of behavior disorders. Prerequisite: Psychology 131. 3 credits.

*Psychology 359. INDUSTRIAL PSYCHOLOGY.* Theories and techniques of psychology in relation to problems of employee selection and training, performance and appraisal, worker motivation and morale, industrial leadership and safety, human engineering, and space psychology. 3 credits.

*Psychology 361-362. EXPERIMENTAL PSYCHOLOGY.* Examination of the major problems of psychology and the experimental procedures available for their investigation. Prerequisite: Psychology 134. 2 periods lecture and one double period lab each week; 3 credits each semester.

*Psychology 365. THE PSYCHOLOGY OF ORGANIZATIONAL BEHAVIOR.* Introduction to the nature and consequences of human behavior in organization. Prerequisite: Psychology 359. 3 credits.

*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. Prerequisite: Psychology 134. 2 periods lecture and 1 double period lab per week. 3 credits each semester.

*Psychology 422. HUMAN LEARNING AND MEMORY.* 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. Prerequisite: Psychology 132. 3 credits.

*Psychology 423. PHYSIOLOGICAL PSYCHOLOGY.* Study of the physiological correlates of behavior including the sensory receptors, central brain mechanisms, and coordination of the motor systems. Prerequisite: Psychology 132. 3 credits.

*Psychology 424. ANIMAL LEARNING AND MOTIVATION.* Examination of the classic and contemporary literature in animal learning and motivation. Prerequisite: Psychology 132. 3 credits.

*Psychology 457. HISTORY AND SYSTEMS OF PSYCHOLOGY.* The development of psychology from ancient to modern times. Prerequisite: 6 hours of psychology. 3 credits.

*Psychology 461. SEMINAR IN ADVANCED GENERAL PSYCHOLOGY.* A seminar for the senior Psychology major, designed to integrate knowledge of specific fields into a comprehensive view of psychology. (Open only to senior Psychology majors.) 3 credits.

*Psychology 490. INDEPENDENT RESEARCH IN PSYCHOLOGY.* A directed practicum and/or research project administered by qualified specialists in the department. 3-6 credits.

*Psychology 495. SELECTED TOPICS IN PSYCHOLOGY.* 3-6 credits.

#### **For Graduates and Advanced Undergraduates**

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



*Psychology 521. HUMAN GROWTH AND DEVELOPMENT.* The principles and processes of human development covering the entire life span. 3 credits.

*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.

*Psychology 555. MENTAL TESTS.* 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.





# Recreation

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See Department of Physical Education, Health, and Recreation

## THERAPEUTIC RECREATION PROGRAM

A major in therapeutic recreation is offered leading to a B.S. degree. The recreation curriculum at Longwood has as its primary mission the preparation of competent recreators for the leisure services profession. Students receive a general education background with respect to recreation and leisure services, and a specialization in the area of therapeutic recreation. This major will provide the student with competencies enabling him to utilize the tools of recreation and leisure services needed for a successful and enriching developmental program for those individuals with "special needs." By blending a comprehensive general education background with professional preparatory courses and field work experiences, the major will prepare the student for a career in one of today's fastest growing professions.

Prior to the junior year, each major is expected to have completed a field experience of his/her choice in a student-selected and department-approved recreational setting. During the summer of his junior year, each major will participate in a full-time therapeutic recreation internship with the goal of acquiring necessary skills which are intended to prepare him for his senior year. The senior internship is offered in the spring semester only.

The culmination of the degree program is the Senior Internship. This is a sixteen week full-time work experience.

In each full-time internship experience, the student is guided by the site supervisor with periodic visits made by the college internship supervisor. These field-work experiences, internships, may not be taken in successive semesters unless there is undue hardship.

## B.S. IN THERAPEUTIC RECREATION

### *General Education Requirements*

English 100/3 credits  
English 101/3 credits  
History 121 or 122/3 credits  
Health Education 100/1 credit  
Psychology 131/3 credits  
Biology 206/4 credits  
Biology 207/4 credits  
Physical Education\*/2 credits  
Physical Education 119/1 credit  
Music 111/3 credits  
Art 211/3 credits  
Literature elective/3 credits  
Mathematics electives/6 credits  
Social Science electives/9 credits  
TOTAL/48 credits

\*Must choose from the following courses: PED 101, 105, 107, 108, 114, 120.

### *Major Requirements*

REC 205/1 credit  
REC 110/3 credits  
REC 111/3 credits  
REC 237/3 credits  
REC 300/1 credit  
REC 301, 303 or 404\*/6 credits  
REC 308/3 credits  
REC 361/3 credits  
REC 370/3 credits  
REC 380\*\*/8 credits  
REC 410/3 credits  
REC 437/3 credits  
REC 490\*\*/16 credits  
Education 347/3 credits  
HED 260/3 credits  
PED 110 or 210 or 211/1 or 2 credits  
Psychology 240/3 credits  
TOTAL/59 or 70 credits

\*Must elect 2 or the 4 courses.

\*\*Must have a 2.0 overall and a 2.25 in major courses.



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

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## RECREATION (66)

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*Recreation 110. INTRODUCTION TO THERAPEUTIC RECREATION.* History; philosophy; rationale for service; professional development; analysis of symptomatology and causes inherent to various special populations; therapeutic settings; and employment opportunities. 3 credits.

*Recreation 111. INTRODUCTION TO LEISURE SERVICE DELIVERY.* The history and development of the recreation movement, concepts of leisure, definitions of recreation, theories of play, and the role of recreation and leisure in society. Providers of leisure services and general operational aspects of various organizations and agencies are investigated. 3 credits.

*Recreation 205. SOCIAL RECREATION.* Emphasis is on knowledge and leadership skills of recreation activities such as mixers, table and inactive games, and special events. Laboratory experiences provide students theoretical and practical knowledge of social and information recreational activities. 1 credit.

*Recreation 206. MANUAL COMMUNICATION.* A practical study of the techniques of sign language as well as its relationship to special populations. Prerequisite: Recreation 210 or consent of instructor. 1 credit.

*Recreation 237. CAMPING AND OUTDOOR RECREATION ADVENTURE PROGRAMMING.* Planning, organizing, and implementing an organized camp program. The responsibilities and characteristics of a leader in various camp/outdoor settings are investigated. 3 credits.

*Recreation 300. PRE-INTERNSHIP SEMINAR.* Lectures, discussion, and lab experiences to prepare majors for their internships. To be included will be agency and college relationship, resume writing, professional code of ethics, interviewing techniques, and placement opportunities. 1 period a week; 1 credit.

*Recreation 301. THERAPEUTIC RECREATION FOR PERSONS WITH MENTAL DISORDERS AND DEVELOPMENTALLY DISABLED.* Mental retardation and mental disorders as related to therapeutic recreation. Characteristics, behavior and needs of these populations including activity modification, treatment approaches, issues and trends, and evaluatory instruments. 3 credits.

*Recreation 303. RECREATION FOR THE PHYSICALLY DISABLED.* In-depth study of all aspects of physical disability as related to therapeutic recreation settings; includes services, implications of disability, self-help skills, wheelchair activities, rule modifications in competitive sports, safety concerns, legislation and adaptive techniques. 3 periods a week; 3 credits.

*Recreation 308. THERAPEUTIC RECREATION IN THE MEDICAL SETTING.* A survey of medical facilities, services, and populations treated. Analysis of current trends in medical treatment and their relationship to therapeutic recreation. Strong emphasis placed on medical terminology. 3 credits.

*Recreation 350. TOPICAL SEMINAR IN THERAPEUTIC RECREATION.* Advanced seminars for therapeutic recreation majors and non-majors interested in therapeutic recreation. Designed for small groups of qualified students to pursue selected specialized topics in therapeutic recreation. The topic for study will be announced prior to pre-registration each time the course is offered. May be repeated. 1 credit.

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

*Recreation 370. PROGRAM PLANNING AND DEVELOPMENT IN THERAPEUTIC RECREATION.* Assessment procedures, treatment planning and implementing, and evaluation of therapeutic programs. Ratio-



nale for a systems approach in treatment, documentation and charting practices and activity analysis. 3 credits.

*Recreation 380. JUNIOR INTERNSHIP.* An 8-10 week supervised recreation field work experience will be required during the student's junior year. 8-10 weeks; 8 credits.

*Recreation 404. LEISURE AND AGING.* The process of aging, including biological and sociological aspects. Theories of aging, concepts of leisure and aging, and principles and practices related to delivery, planning, implementation, and evaluation of leisure services of older adults are investigated. 3 credits.

*Recreation 410. SUPERVISION AND ADMINISTRATION OF RECREATION.* Effective organization, administration, and management of recreation and leisure service delivery. Emphasis will be on the application of management theory and techniques of leisure service delivery, including such areas as organization, supervision techniques, financing and budget, personnel,

public relations, legal foundations and liability. 3 credits.

*Recreation 437. LEADERSHIP AND GROUP DYNAMICS.* Analysis of leadership and therapist styles with a strong emphasis on group behavior and development. Communication theory and techniques, practical applications, group problem-solving strategies, and leisure counseling. 3 credits.

*Recreation 461, 462. SPECIAL PROJECTS IN THERAPEUTIC RECREATION.* Qualified students will pursue independent study projects and/or directed research under supervision of an instructor. Nature of study will depend on interests and needs of the students. 1, 2, or 3 credits.

*Recreation 490. SENIOR INTERNSHIP.* 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 credits. Spring only.



*Longwood's gymnastics team performed on the Bob Hope Show.*



# Department of Social Work

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George C. Stonikinis, Jr., *Head*  
YuVonne Weatherspoon, *Secretary*

The Department of Social Work provides an undergraduate course of study of unique and personalized instruction accredited by the Council on Social Work Education, leading to the Bachelor of Science or Bachelor of Arts in Social Work. (For those students seeking a BA degree, three semester hours in one foreign language must be taken at the 200 level.) The curriculum prepares individuals for admission into accelerated one-year M.S.W. degree programs or entry into the expanding opportunities of first level professional practice according to the standards of the National Association of Social Workers. The specific aims of the Social Work Program are: (1) to provide students with opportunities to obtain knowledge, attitudes and skills appropriate for social work practice at the baccalaureate level, and (2) to offer a background preparation for students intending to enter a graduate professional school of social work, law school, or related graduate program of study.

Courses are designed to help students become directly familiar with diverse social problems, and to participate in the delivery of human services to individuals, small groups, families, organizations and/or communities by developing a knowledge and skillbase in the following:

Administration	Fund-Raising	Research
Casework	Group Work	Social Action
Community Development	Personnel	Staff Development
Community Organization	Planning	Supervision
Community Relations	Program Development	Teaching
Consultation	Psychotherapy	Writing
Education	Rehabilitative Counseling	

Upon graduation, some of the possible areas of employment our graduates have successfully pursued are:

Adoptions	Geriatrics	M.S.W. Programs
Adult Probation	Health and Welfare	Neighborhood Services
Alcohol and Drug Abuse	Immigration Services	Personnel Administration
Community Action Programs	International Social Work	Protective Services
Community Centers	Juvenile Probation	Psychiatric Services
Comprehensive Social Services	Labor Relations	Public Assistance
Corrections	Law School	Public Health
Day Care	Legal Aid	Rehabilitative Services
Dependent/Neglected Children	Leisure Services	School Social Work
Domestic Relations Court	Medical Social Work	Seminary
Employment Counseling	Mental Health Clinics	Settlement Houses
Family Services	Mental Hospitals	Federal Lobbying
Federal Probation	Mental Retardation	Veterans Services
Foster Care	Migrant Communities	YWCA-YMCA

The Social Work Program at Longwood College is designed around the concept of the "generalist worker," one who is prepared to practice in a wide variety of social services settings. The faculty of the Social Work Program reflect this orientation. Additionally, the department individualizes much of the student's education and growth as he develops a professional knowledge, skill and attitude base through periodic personalized evaluations and discussions with the entire staff.

Junior Field Instruction consists of an agency placement concurrent with integrative course work and involves 180 hours of instruction in a field setting. A grade point average of 2.0 (C)



in the major and overall is required for placement in a field instruction setting. Students transferring into the program later in their academic pursuits are provided with the accelerated 9½-week summer program. Senior Field Instruction usually occurs during the last semester and consists of 600 hours (15 weeks, 40 hours per week), of field instruction in an agency setting. These placements are readily available throughout the state and many students choose to live at home during this experience, thus saving money and preparing for graduation and the transition to career pursuits.

## Faculty

Edna V. Allen-Bledsoe,  
*Assistant Professor*  
Marilyn Simpson-Johnson,  
*Associate Professor*

George C. Stonikinis, Jr., *Associate  
Professor and Head*  
Sarah V. Young\*, *Associate Professor*

\*Serving as Assistant Dean.

## SOCIAL WORK MAJOR, B. S. DEGREE

### *General Education Requirements*

Art, Music or Theatre/6 credits  
English 100, 101/6 credits  
Literature elective/3 credits  
Humanities elective/3 credits  
History 121 or 122/3 credits  
Economics 220/3 credits  
Mathematics 113 and electives/6 credits  
Biology 101 and 323/8 credits  
Government 215 or 216/3 credits  
Anthropology 101/3 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/  
3 credits  
TOTAL/48 credits

### *Major Requirements*

Psychology 131 and 222/6 credits  
Sociology 101 and 322/6 credits  
Social Work 101/3 credits  
Social Work 102/3 credits  
Social Work 240/3 credits  
Social Work 280-281/6 credits  
Social Work 310/3 credits  
Social Work 320/3 credits  
Social Work 335/1 credit  
Social Work 336/3 credits  
Social Work 339/5 credits  
Social Work 340/1 credit  
Social Work 415/3 credits  
Social Work 427/3 credits  
Social Work 400/12 credits  
Social Work 401/2 credits  
Social Work 404/1 credit  
Social Work 407/1 credit  
TOTAL/65 credits

\*Electives/15 credits

(\*Recommended: Social Work and  
humanities.)



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## SOCIAL WORK (74)

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*Social Work 101. INTRODUCTION TO THE HUMAN SERVICES.* The broad range of human service professions and the nature and structure of human service organizations (schools, hospitals, welfare, corrections, mental health, environment, etc.) which deliver client services. Emphasis is placed on the common elements underlying "helping" actions of a wide variety of human services. Students preparing for a career in any human service area will be provided an orientation to systematic analysis of human service professions and systems. 3 periods a week; 3 credits.

*Social Work 102. SOCIAL WELFARE AND THE SOCIAL WORK PROFESSION.* A study of the dynamic adjustment process between the American social welfare system and its societal, value, and historical context. Emphasis is placed on providing a conceptual, theoretical, and philosophical basis for analyzing institutional welfare and its relation to individual and social needs, social justice, and a pluralistic and humanistic society. The emergence, current status, and future of professional social work practice is explored. Prerequisite: Social Work 101. 3 periods a week; 3 credits.

*Social Work 108. CAREER PLANNING.* An approach to skill building for career planning based upon a systematic analysis of the student's interests, life long learning plans, and career goals is presented. Discussion of strategies for beginning career pursuit through the use of the academic major and liberal arts for building generic and specific knowledge and skill bases that expand the student's career options. Emphasis is placed on capitalizing upon the relevancy and immediacy of the college experience for preparation for careers in a changing society. Non-social work majors encouraged. 15 hours; 1 credit. (Students completing this course may not get credit for SW 408.)

*Social Work 240. SOCIAL POLICY AND ISSUES IN SOCIAL WELFARE.* Models of policy analysis and formulation are reviewed and the role of both social work and government are investigated. The characteristics of poverty, racism, sexism, power, and com-

munity are studied in relation to social welfare policy, social work practice, social planning, and programs and services. Prerequisite: Social Work 102. 3 periods a week; 3 credits.

*Social Work 280. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I.* Utilizing a general systems approach, the student will develop a multi-level perspective of human behavior in the areas of personality development, self-concept formation, community and organizational systems, group processes, personal change dynamics, family systems, and life cycles. Concurrent focus is placed on practice relevancy of the theory base. Prerequisite: Sociology 101 and Psychology 222. 3 periods a week; 3 credits.

*Social Work 281. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II.* A continuing exploration of theoretical contributions to the design and application of intervention strategies. The role of interpersonal influence is studied within the context of effective communication for planned change and effective skills are practiced. Prerequisite: Social Work 280. 3 periods a week; 3 credits.

*Social Work 309. HUMAN SEXUAL ADJUSTMENT.* Socio-cultural influences on gender identity and sexual behavior will be analyzed and issues regarding sexual expression and sexual dysfunctioning will be explored. Methods of dealing with sexual adjustment difficulties at both the individual and community levels are presented including human service resources. Prerequisite: 3 hours of Sociology and Psychology. 3 periods a week; 3 credits.

*Social Work 310. MINORITY EXPERIENCES: HUMAN DEVELOPMENT IN HOSTILE ENVIRONMENTS.* With a special emphasis on the Black experience, the course will examine the impact of the conditions of institutionalized racism, sexism, and prejudice on the development of personality, copability, and self concept. Survival strategies, individual strengths and societal treatment of minorities will be analyzed in order to further develop an understanding in the student for effective practitioner-client relationships. Prerequisite: Sociology 332. 3 periods a week; 3 credits.



*Social Work 320. SOCIAL WORK RESEARCH AND EVALUATION DESIGN.* The role of scientific inquiry in the continuing development of knowledge and practice skill, measures of accountability, needs assessment, and evaluation design is presented. Students conduct in-agency research and assessments and study the impact of applied scientific techniques on the design and delivery of professional practice. Prerequisite: Mathematics 113. 3 periods a week; 3 credits.

*Social Work 335. JUNIOR INTERVENTIVE MEANS LAB.* Laboratory experiences enabling the development and application of practice skills for direct service. Emphasis is on levels of problems, systematic assessment and problem solving, and uniqueness of various interventive means. Corequisite: Social Work 336. 2 periods a week; 1 credit.

*Social Work 336. INTERVENTIVE MEANS IN SOCIAL WORK.* A generic approach to social work practice with the goal of achieving social justice and the fulfillment of human potential and needs. Students are helped to analyze problem situations, to select goals and strategies of intervention and worker roles, to develop skill in use of self and other resources and to assess effectiveness of intervention and services. Prerequisite: Social Work 281. Corequisite: Social Work 335. 3 periods a week; 3 credits.

*Social Work 337. FAMILY AND CHILDREN'S SERVICES.* Major concepts of family and child welfare are presented and trends in relevant policy, services and practice skills related to supportive, supplemental and substitutive programs are analyzed. Prerequisite: Social Work 240 or permission of instructor. 3 periods a week; 3 credits.

*Social Work 339. JUNIOR FIELD INSTRUCTION IN SOCIAL WORK.* Throughout the semester, a direct practice experience under the supervision of a field instructor. Application and continued growth of knowledge base, social work practice skills, and values is assessed. Termination of the field instruction will include a formal "Junior Evaluation" involving staff and student in an assessment of the student's candidacy for admission into the Social

work Program. Prerequisite: Social Work 336 and "C" average overall and in major courses. 5 credits.

*Social Work 340. JUNIOR INTEGRATIVE SEMINAR.* Seminar format provides a supplementary opportunity for generalizing principles and intervention approaches beyond the particular Social Work 339 experience. Focus is on the systematic application of generalist practice principles, both traditional and innovative, in the formation of an integrated professional practice approach. Corequisite: Social Work 339. 2 periods a week; 1 credit.

*Social Work 400. FIELD INSTRUCTION.* Educationally directed student learning in selected settings. Students learn by participating in the delivery of social services to individuals, small groups, families, organizations, and/or communities. At least 40 hours per week in an agency for 15 weeks. Prerequisite: Social Work 427 and "C" average overall and in major courses. Corequisite: Social Work 401, 404 and 407. 12 credits.

*Social Work 401. INTEGRATIVE SEMINAR.* A concurrent seminar providing an opportunity for generalizing intervention skills and experience beyond the student's particular field instruction experience. 3 sessions (30 hours) at regional locations. 2 credits.

*Social Work 404. SOCIAL WELFARE ADMINISTRATION.* An analysis of skills and understanding essential for the translation of human service program goals into organizational structures. Emphasis is on organizational concepts and theories, administrative philosophies and actual analyses of structural change and operation of field experience agencies. Prerequisite: Social Work 400. 15 hours; 1 credit.

*Social Work 405. WORKING WITH SPECIAL POPULATIONS.* An analysis of what constitutes a "special" population and relevant techniques of service delivery. Development of unique methods of working with urban and rural populations, death, runaways, corrections, low-income families and alternate life-styles are explored. 15 hours; 1 credit.



*Social Work 406. AGING AND SOCIETY.* An introduction to the psychological, social and economic realities of aging with an emphasis on perceiving the elderly as a minority group. Theories of the aging process will be analyzed in conjunction with intervention techniques. 15 hours; 1 credit.

*Social Work 407. LAW AND THE SOCIAL WORKER.* Seminar on law as a resource in social work practice, with emphasis on areas where the two professions meet—such as public welfare, juvenile court, family law, adoptions, etc. Examines attitudes of law and social work toward each other. 15 hours; 1 credit.

*Social Work 408. JOBS, WORK, AND CAREER PLANNING.* The changing nature of work and securing a job are investigated regarding societal changes, the individual's stage in life, and public policy. Strategies for maintaining one's career goals throughout life are presented along with adaptive techniques for career planning. Each student will identify career goals, and explore specific opportunities and approaches to their career. Non-social work majors are encouraged. Prerequisite: 6 hours of social sciences. 2 periods a week; 2 credits.

*Social Work 410 (Business 410). WOMEN IN ORGANIZATIONS.* Analyzes effects of cultural conditioning upon women's roles and examines organizational processes which impact uniquely upon women as managers; emphasis on basic management principles

and techniques geared to increase the mobility and effectiveness of women in businesses and other formal organizations. Meets once a week for 2 hours; 2 credits.

*Social Work 415. INTER-PROFESSIONAL COMMUNICATION: TECHNIQUES FOR THE SURVIVAL OF INTERVENTIVE STRATEGIES.* Study of effective professional role performance with peer professionals; examines relationship between agency structure and functioning and the style, format, timing, and design of inter-professional transactions and helping patterns; special attention to use of a scientific practice base for determining effective professional action. Prerequisite: Social Work 336. 3 periods a week; 3 credits.

*Social Work 420. TOPICAL SEMINAR IN SOCIAL WORK.* A series of topical lectures, presentations and discussions concerning areas of current concern to practitioners in a variety of welfare settings. Emphasis is placed on practice related material and the involvement of practitioners from local agencies is encouraged. Hours to be arranged; 1-3 credits.

*Social Work 427. ADVANCED INTERVENTIVE MEANS.* Continued development of generic skills and values at the advanced level for professional practice. Emphasis is placed on integration of knowledge into techniques and strategies for human service delivery. Prerequisite: Social Work 339. 3 periods a week; 3 credits.



# Department of Sociology and Anthropology

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Lawrence G. Hlad, *Head*

Margaret Golubic, *Secretary*

The Department of Sociology and Anthropology offers an undergraduate major in the field of sociology and in the field of anthropology and undergraduate minors in sociology and in anthropology. Students majoring in sociology or in anthropology may earn either the B.A. or B.S. degree.

The department occupies offices and classrooms in Hiner Hall. The administrative office of the department is located in Room 207. An important facility maintained by the department is the Sociology and Anthropology Seminar Room, containing a collection of periodicals, books, and graduate catalogs for use by sociology and anthropology students.

Through a variety of activities, the department attempts to provide its students with a program of breadth and depth characteristic of the Longwood educational experience. The department sponsors an active Sociology and Anthropology Club and a chapter of Alpha Kappa Delta, the international sociology honor society. In addition, each academic year the departmental faculty chooses an outstanding sociology student to receive the Kathleen Goodwin Cover Sociology Award.

The departmental curriculum is designed to provide educational enhancement for students who plan to (1) seek employment in business, industry, government service, or related fields, (2) pursue advanced studies in law, public policy, urban planning, or related fields, (3) engage in graduate work in sociology or anthropology, or (4) pursue undergraduate studies of the organization and functioning of human societies.

All sociology majors are required to take a core program of courses in sociology. The core program of study contains the following course work: Sociology 101, 102, 245, 345, 383, 390, and 24 semester hours of sociology electives; Anthropology 101, 102.

All anthropology majors are required to take a core program of courses in anthropology including Anthropology 101, 102, 103, 104, 202, 210, 211, 310, 320, 321, 383, 443, and 460, and Sociology 101 and 332.

All sociology minors are required to complete 18 hours of work in sociology including the following: Sociology 101, 102, 345, 390, and 6 semester hours of sociology electives. Students interested in a minor in sociology should contact Dr. Lawrence G. Hlad, Coordinator of Sociology Minor Programs, Department of Sociology and Anthropology.

Students minoring in anthropology are required to complete 18 hours of work in anthropology including the following: Anthropology 101, 102, 202, 310, and 6 hours of anthropology electives. Students interested in a minor in anthropology should contact Dr. James William Jordan, Coordinator of Anthropology Minor Programs, Department of Sociology and Anthropology.

Every attempt has been made to state the major and minor requirements of the department as clearly as possible. However, it is strongly recommended that every student majoring or minoring in the department maintain close communication with the academic advisor assigned by the department in order to plan their program in a fashion best suited to the student's individual goals and needs. The faculty of the department stands ready to assist any student in this regard.

General Education Requirements for the student majoring in sociology or in anthropology can be found under "General Education Requirements" in this catalog. It is the responsibility of every student to consult with their academic advisor prior to each registration to ensure the proper fulfillment of general education and departmental requirements for graduation. Students minoring in sociology or anthropology must satisfy the general education requirements of the department of their major subject.



## Faculty

Chester C. Ballard, *Assistant Professor*  
Lawrence G. Hlad, *Assistant Professor*  
and Head

James W. Jordan, *Associate Professor*  
Kenneth B. Perkins, *Assistant Professor*

### SOCIOLOGY MAJOR, B.S. DEGREE

#### *General Education Requirements*

Art, Music or Theatre/6 credits  
English 100, 101/6 credits  
Literature/3 credits  
Humanities elective/3 credits  
History 121 or 122/3 credits  
Health Education 100/1 credit  
Mathematics or Mathematics and  
Computer Science/6 credits  
Biological Science/4 credits  
Physical Science/4 credits  
Social Science\*/9 credits  
Physical Education Activity Courses/  
3 credits  
TOTAL/48 credits

#### *Major Requirements*

Sociology 101/3 credits  
Sociology 102/3 credits  
Sociology 245/3 credits  
Sociology 345/3 credits  
Sociology 383/1 credit  
Sociology 390/3 credits  
Anthropology 101, 102/6 credits  
Sociology electives/24 credits  
Anthropology 101, 102/6 credits  
TOTAL/46 credits  
(\*Select from history, government, economics, geography or anthropology.)

NOTE: a student minoring in anthropology may not use Anthropology 101 or 102 to satisfy the general education requirement in social science.

### SOCIOLOGY MAJOR, B.A. DEGREE Pre-Law Concentration

#### *General Education Requirements*

Art, Music or Theatre/6 credits  
English 100, 101/6 credits  
Literature/3 credits  
Psychology 131/3 credits  
History 121 or 122/6 credits  
Economics 231, 232/6 credits  
Government 215/3 credits  
Biological Science/4 credits  
Physical Science/4 credits  
Mathematics or Computer Science/  
6 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/  
3 credits  
TOTAL/48 credits

NOTE: Requirements for the Sociology major, B.A. degree, are the same as for B.S. degree, except that foreign language (200-level) is required, and the humanities elective must come from literature, philosophy, or religion.

#### *Major Requirements*

Sociology 101/3 credits  
Sociology 102/3 credits  
Sociology 245/3 credits  
Sociology 345/3 credits  
Sociology 375/3 credits  
Sociology 376/3 credits  
Sociology 390/3 credits  
Sociology 383/1 credit  
Anthropology 101/3 credits  
Anthropology 102/3 credits  
Sociology electives\*/18 credits  
TOTAL/46 credits  
(\*Recommended: Sociology 332, 335, 341, 350, 360, 443; Anthropology 202.)

#### *Courses Highly Recommended for the Pre-Law Concentration*

Government 216, 332, and 455/9 credits  
Business 241, 242/8 credits  
Economics 358/3 credits  
Philosophy 200, 300, 305/9 credits  
Speech 200/3 credits



## SOCIOLOGY MAJOR, B.S. DEGREE

### Criminal Justice Concentration

#### *General Education Requirements*

Art, Music or Theatre/6 credits  
 English 100, 101/6 credits  
 Literature/3 credits  
 Humanities elective/3 credits  
 History 121 or 122/3 credits  
 Health Education 100/1 credit  
 Mathematics or Mathematics and  
   Computer Science/6 credits  
 Biological Science/4 credits  
 Physical Science/4 credits  
 Social Science/9 credits  
 Physical Education Activity Courses/  
   3 credits  
 TOTAL/48 credits

#### *Major Requirements*

Sociology 101/3 credits  
 Sociology 102/3 credits  
 Sociology 245/3 credits  
 Sociology 310/3 credits  
 Sociology 335/3 credits  
 Sociology 345/3 credits  
 Sociology 375/3 credits  
 Sociology 376/3 credits  
 Sociology 383/1 credit  
 Sociology 390/3 credits  
 Anthropology 101/3 credits  
 Sociology electives/12 credits  
 TOTAL/46 credits

#### *Courses Highly Recommended for Concentration*

Government 230 and 260  
 Psychology 222, 365  
 Social Work 280, 282, 336

Sociology 332, 350, 360, 443  
 Anthropology 202

## SOCIOLOGY MAJOR, B.S. DEGREE

### Pre-Medicine Concentration

#### *General Education Requirements*

Art, Music or Theatre/6 credits  
 English 100, 101/6 credits  
 Literature/3 credits  
 Psychology 132/3 credits  
 Biology 103 and 104 or 324/8 credits  
 Mathematics 261, 262/10 credits  
 Health Education 100/1 credit  
 Social Sciences\*/9 credits  
 Physical Education Activity Courses/  
   3 credits  
 TOTAL/52 credits

#### *Major Requirements*

Sociology 101/3 credits  
 Sociology 102/3 credits  
 Sociology 245/3 credits  
 Sociology 345/3 credits  
 Sociology 350/3 credits  
 Sociology 370/3 credits  
 Sociology 383/1 credit  
 Sociology 390/3 credits  
 Anthropology 101/3 credits  
 Anthropology 102/3 credits  
 Sociology electives/18 credits  
 TOTAL/46 credits

\*Select from history, economics, and government.

#### *Suggested Pre-Medical Courses*

Chemistry 101, 102/8 credits  
 Physics 101, 102 or 201, 202/8 credits  
 Chemistry 205, 206/8 credits  
 Chemistry 212 or Biology 215\*/4 credits

\*Hampden-Sydney course.



## MINOR IN ANTHROPOLOGY

### *General Education Requirements*

See the appropriate listing of requirements for the department in which the major is taken.

### *Major Requirements*

Anthropology 101/3 credits  
Anthropology 102/3 credits  
Anthropology 202/3 credits  
Anthropology 310/3 credits  
Anthropology electives/6 credits

A student minoring in anthropology will not be allowed to count Anthropology 321 and 443 toward a minor or major in sociology.

## MINOR IN SOCIOLOGY

### *General Education Requirements*

See appropriate listing of requirements for the department in which the major is taken.

### *Minor Requirements*

Sociology 101/3 credits  
Sociology 102/3 credits  
Sociology 345/3 credits  
Sociology 390/3 credits  
Sociology electives/6 credits

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### SOCIOLOGY (76)

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*Sociology 101. INTRODUCTORY SOCIOLOGY.* The study of principles and comparisons in society and culture as these relate to social groups and institutions. Offered every semester; required for sociology majors; 3 credits.

*Sociology 102. CONTEMPORARY SOCIAL PROBLEMS.* Analyses of those social conditions that are regarded as harmful to individual and/or societal well-being, the social processes involved in their development and the public policy consequences of solutions. Examples of topics to be considered are child and spouse abuse, mental illness, racial and sexual discrimination, poverty, unemployment, crime, urban decay, environmental destruction and war. Required for sociology majors; 3 credits.

*Sociology 200H. ANALYSIS OF CONTEMPORARY AMERICAN SOCIAL ISSUES.* An examination of major social issues confronting Americans today. Topics may include political apathy, gender inequality, value choices in technology, aging, the value of a college education, and the ethics of our nation's domestic and foreign policy. The course is designed to provide students with the analytic skill necessary to conceptualize the basic dimensions and value choices inherent in major social issues.

*Sociology 220. SELF IN SOCIETY.* The interplay of societal forces and self. Attention is given to such topics as: self in society and society in self; collective behavior; mass movements. public opinion, propaganda and the mass media; group processes; and social psychological aspects of social structure. 3 credits.

*Sociology 222. SOCIALIZATION: SOCIOLOGY OF CHILD DEVELOPMENT.* An examination of the fundamental theories of socialization. Emphasis will be on studies of early childhood and adolescent socialization into roles. Acquisition of an identity as it relates to social psychological variables will be studied. 3 credits.

*Sociology 245. BASIC STATISTICS.* A study of the basic statistical techniques and procedures appropriate for dealing with problems in sociology and anthropology. Prerequisite: Sociology 101 or permission of instructor. Required for sociology majors; 3 credits.

*Sociology 310. COMPLEX ORGANIZATIONS.* Study of complex organizations such as private enterprises, voluntary associations, and governmental bureaucracies in terms of political-economic environment, formal and informal structure, technology, management ideologies, control and commitment of personnel, and impact on lives of individuals. Classical and recent theory and



research will be examined. Prerequisite: Sociology 101 or permission of instructor; 3 credits.

*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 socializing agent and education as a vehicle of mobility are among the topics taken into consideration. Prerequisite: Sociology 101. 3 credits.

*Sociology 321 (Anthropology 321). SUPERNATURAL BELIEF SYSTEMS.* An investigation of the social aspects of religion, its forms of organization, and its relationships to other institutions. 3 credits.

*Sociology 332. MINORITY GROUPS: RACE, RELIGION, SEX, AND MAJORITY AND MINORITY RELATIONSHIPS.* A study of the sociological principles related to the understanding of majority-minority relationships and to the problems of those who are assigned minority status due to their race, religion, sex, sexual preference, or cultural heritage. Prerequisite: Sociology 101. 3 credits.

*Sociology 335. JUVENILE DELINQUENCY.* The exploration of the diversity of delinquent behavior, the process of becoming delinquent, the importance of legislation, the law enforcement apparatus, the courts and juvenile correctional facilities in the development of delinquent identities. 3 credits.

*Sociology 341. 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. 3 credits.

*Sociology 345. SOCIAL RESEARCH.* The logical basis for conceptualization and research in sociology. Research design, concept formation, data collection, data reduction, data analysis, and data interpretation will be studied. Emphasis will be placed on the application of methods to various aspects of research projects undertaken by members of the class. Prerequisite: 6 hours of sociology or permission of instructor. Required for sociology majors; 3 credits.

*Sociology 350. POWER AND PRIVILEGE: SOCIAL STRATIFICATION.* The study of how power, wealth, and prestige is built in the structure of society. The consequences of social ranking, class identification, and opportunities for social mobility. Prerequisite: Sociology 101. 3 credits.

*Sociology 360. URBAN SOCIOLOGY.* An examination of city life, its problems and prospects. The nature of organization, bureaucratization, and massification including social, economic, and political features of metropolitan areas. Includes the study of urban lifestyles and dilemmas. Prerequisite: Sociology 101. 3 credits.

*Sociology 370. MEDICAL SOCIOLOGY.* Study of sociocultural factors that influence health, health care and illness in addition to an analysis of health care services, hospital organization, roles and role relationships in the health care setting and the processes of socialization of health care personnel and patients. Prerequisite: Sociology 101 or permission of instructor. 3 credits.

*Sociology 375. CRIMINOLOGY.* Analysis of the nature, extent and distribution of crime, emphasizing theories of and research on causation, prevention, treatment, and other public policy efforts. 3 credits.

*Sociology 376. SOCIOLOGY OF LAW.* Relationship between law and social structure; study of processes of law creation, interpretation, enforcement and modification, including police, judicial and jury behavior as well as an analysis of the legal profession itself. 3 credits.

*Sociology 381, 382. TOPICAL SEMINARS IN SOCIOLOGY.* Advanced seminars for sociology majors and non-majors interested in sociology. These seminars are designed to permit small groups of qualified students to pursue specialized topics in sociology, such as social gerontology, sociology of dying, collective behavior and social movements, sociology of sport and leisure, small groups, sociology of mass communication, and symbolic interactionism. Prerequisite: 6 hours of sociology to include Sociology 101, or permission of instructor. Offered as interest and need arises. 1, 2, or 3 credits.

*Collective Behavior and Social Movements—*



Study of social behavior that is guided by nontraditional norms and is less structured than more traditional behaviors; crowds, cults, riots, rebellions, social change movements, and revolutions.

*Small Groups*—Sociological appreciation of units composed of two or more members engaged in meaningful contact such as families, work groups, therapeutic associations, athletic teams, and peer groupings.

*Social Gerontology*—A sociological analysis of attitudes regarding aging and the status and role of the elderly in different societies.

*Sociology of Dying*—A cross-cultural analysis of attitudes toward death and dying.

*Sociology of Mass Communication*—Exploration of the structure of media industries (press, radio, television, and advertising), their impact on audiences, mass culture, and specific public issues such as violence and politics.

*Sociology of Sport and Leisure*—Analysis of sport and leisure as changing social institutions emphasizing sex and ethnic status, collegiate sport, professionalization, law and shifting social values.

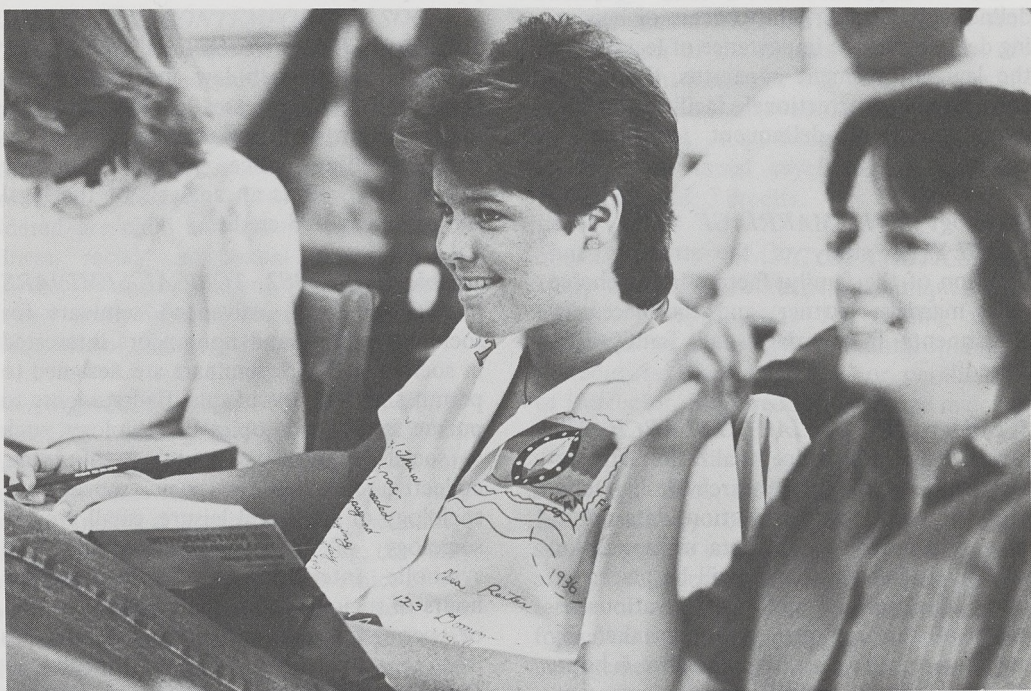
*Sociology 383 (Anthropology 383). OCCUPATIONAL AND CAREER SOCIOLOGY.*

An overview of job and career opportunities in sociology. Course topics include applying for jobs, planning for graduate study, development of a resume. Offered fall semester each year for graduating seniors; 1 credit.

*Sociology 390. SOCIOLOGICAL THEORY.* An examination of the major theoretical positions in current sociology. Prerequisite: 6 hours of sociology or permission of instructor. Required for sociology majors. 3 credits.

*Sociology 443 (Anthropology 443). THE COMMUNITY.* Review of theories of community and analysis of representative community studies. Limited to juniors and seniors except by permission of instructor. Prerequisite: 6 hours of sociology or anthropology. 3 credits.

*Sociology 490. DIRECTED STUDY IN SOCIOLOGY.* Recommended when the student desires to pursue a specialized topic in-depth. Must have permission of the departmental head and the instructor directing the course. 3 credits per semester; no more than 6 credits may be earned in Sociology 490.





# Spanish

See Department of English, Philosophy and Foreign Languages

## FOREIGN LANGUAGES PROGRAM B. A. DEGREE

The Foreign Languages program offers courses in French, German, and Spanish. The major in Foreign Languages requires a concentration in one of these three languages (24 hours beyond intermediate) and a second foreign language (12 hours beyond intermediate). The 24 hours in the concentration must include courses numbered 341, 342, 401, 402, and 12 additional hours. Courses numbered 341, 342 are prerequisite to other literature courses in the language.

Students preparing to teach must take 36 semester hours of a modern foreign language, including courses in advanced grammar and composition, conversation, culture and civilization, literature, applied linguistics, and methods. Second language certification requires 24 semester hours (at least 12 of which must be beyond the intermediate level). Advanced placement reduces proportionately the number of hours required by the Commonwealth of Virginia for certification.

Study abroad programs — recommended for majors, minors, and other interested students — are available for Longwood credit in cooperation with the University of Toulouse (French), the Goethe Institute (German), and the University of Madrid (Spanish). A student who plans to take courses for credit should submit to the head of the department and to the Assistant Dean of the College—well in advance of the dates of study—a written statement describing the plan under which the student expects to study.

Supporting courses are recommended in the other humanities. Greek and Latin may be taken at Hampden-Sydney College.

### Requirements for the Degree

#### *General Education Requirements*

Art, Music, or Theatre/6 credits	Biological Science/4 credits
English 100, 101/6 credits	Physical Science/4 credits
Foreign Language (200 level)/3 credits	Mathematics/6 credits
Literature/3 credits	Health Education 100/1 credit
Literature, Philosophy or Religion/ 3 credits	Physical Education Activity Courses/ 3 credits
History 121 or 122/3 credits	TOTAL/51 credits
Social Science/9 credits	

#### *Spanish Concentration*

Spanish 341, 342/6 credits
Spanish 401/3 credits
Spanish 402/3 credits
Spanish 351 or 352/3 credits
One 400-level literature course/3 credits
Spanish electives/6 credits
TOTAL/24 credits

Spanish 100 or 110 may be by-passed totally or in part by advanced placement.

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

Methods (French, German, Spanish) 400/3 credits
Psychology 250/3 credits
Education 455/3 credits
Education 402, 480, 482, 484, 486, 488/18 credits
TOTAL/27 credits

12 hours at 200-level or above in French, German, Latin, or Greek.



## MINOR IN FOREIGN LANGUAGES

Requirements: 18 hours of Spanish, 15 of which must be at the 200-level or above, to include:

Spanish 230, or 341, or 342/6 credits  
One 400-level course (except Spanish 400)

Electives/9 credits  
TOTAL/18 credits

### SPANISH (78)

NOTE: A student who has successfully completed a course numbered 200 or higher may not take a 100-level course for credit.

*Spanish 100. BASIC I.* An elementary Spanish course stressing the skills of listening, speaking, reading, and writing the language. No credit is given to a student with more than two years of high school Spanish. 3 class periods, 1 drill session, and 1 lab session per week; 4 credits.

*Spanish 110. BASIC II.* A second-semester course stressing the skills of listening, speaking, reading, and writing the language. Prerequisite: Spanish 100 or 2 years of recent high school Spanish OR departmental exam. 3 class periods, 1 drill session, and 1 lab session per week; 4 credits.

*Spanish 200. READING AND COMPOSITION.* A second-year skills course with special emphasis on reading, writing, and translation. Prerequisite: 110 or departmental exam. 3 periods a week; 3 credits.

*Spanish 210. CONVERSATION.* A second-year skills course with special emphasis on listening and speaking. Prerequisite: 110 or departmental exam. 3 periods a week; 3 credits.

*Spanish 230. CIVILIZATION AND CULTURE.* A study of Spanish civilization and culture with emphasis on social institutions of the current century. Prerequisite: 200 or 210 or departmental exam. 3 periods a week; 3 credits.

*Spanish 311, 312. SPANISH STUDIES ABROAD.* Primarily intended for transfer of credit earned abroad in courses in Spanish language, civilization, or culture. 6 credits maximum.

*Spanish 341, 342. SURVEY OF SPANISH (PENINSULAR) LITERATURE.* The characteristic traits of every literary period, as reflected in the works read, will receive particular emphasis in order to get a clear idea of the literary evolutions. Students will learn to use the methods and language of literary analysis. 341: Reading and discussions of masterpieces of Spanish (Peninsular) Literature from the Middle Ages, Renaissance and Baroque epochs. 342: Literature from the neo-classic period to Twentieth Century. Prerequisite: two courses at 200-level or departmental exam. 3 periods a week; 3 credits.

*Spanish 351, 352. SURVEY OF SPANISH AMERICAN LITERATURE.* In this course students will examine selected writings of major authors in Spanish America; includes both prose and poetry. 351: From the period of the discovery and conquest through the Nineteenth Century. 352: Spanish America from independence to the present. Prerequisite: Spanish 341 and 342. 3 periods a week; 3 credits.

*Spanish 400. METHODS OF TEACHING SPANISH.* Recommended to be taken in semester prior to student teaching. 3 periods a week; 3 credits.

*Spanish 401. ADVANCED GRAMMAR AND COMPOSITION.* Syntax and grammar through written work. 3 periods a week; 3 credits.

*Spanish 402. ADVANCED CONVERSATION AND PHONETICS.* Theory and practice in the spoken language. Current techniques and their uses in attaining mastery of oral Spanish. 3 periods a week; 3 credits.

*Spanish 411, 412. STUDIES IN LITERARY GENRE.* Study of a particular genre in Spanish literature, such as Golden Age Drama, contemporary Spanish novel. Prere-



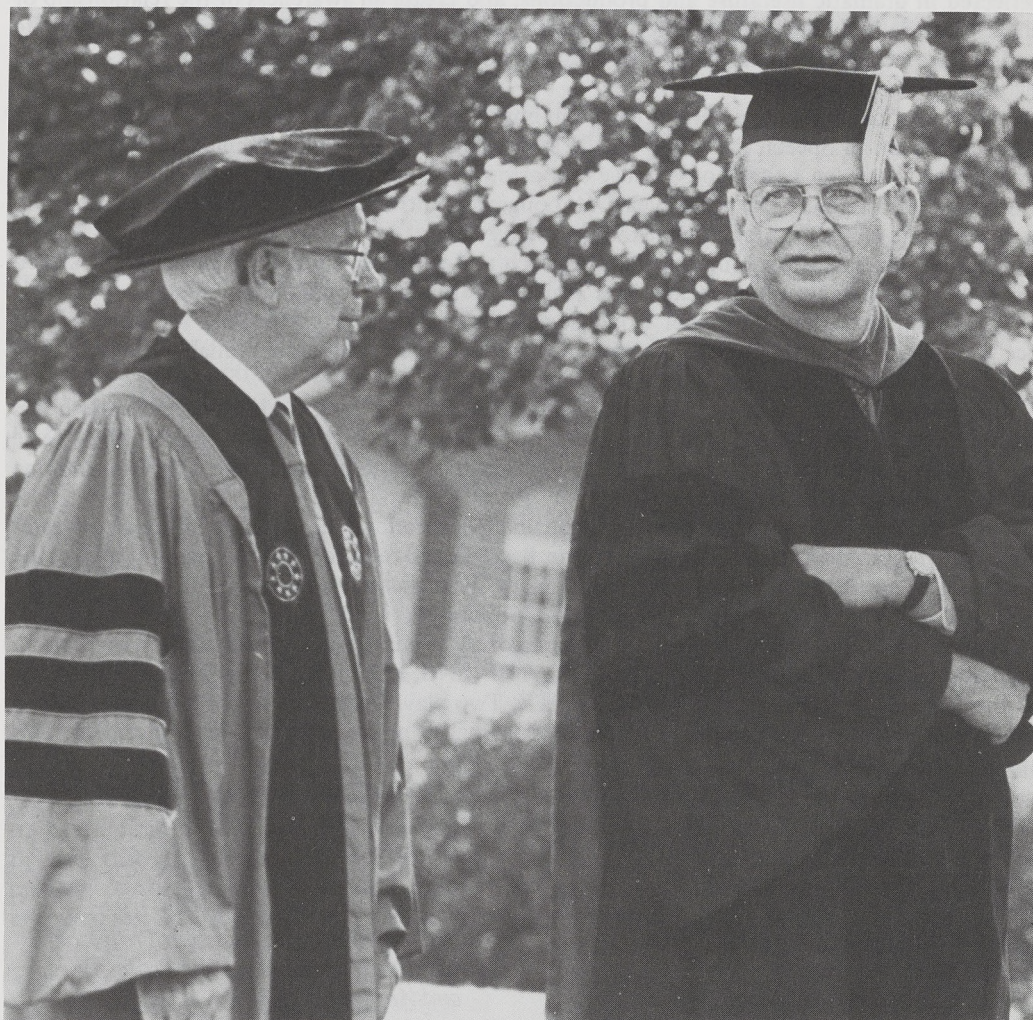
quisite: Spanish 341 and 342. 3 periods a week; 3 credits.

*Spanish 413, 414. SPANISH LITERARY MOVEMENTS.* Study of a particular movement or period in Spanish literature such as Romanticism, Realism, Naturalism, Modernism, and the Generation of '98. Prerequisite: Spanish 341 and 342. 3 periods a week; 3 credits.

*Spanish 415, 416. MAJOR SPANISH AUTHORS.* Study of a particular Spanish author such as Cervantes or Nobel Prize authors, like Echegaray, Jimenez, Benavente, Mistral, Asturias, Neruda, and Garcia Marquez. Prerequisite: Spanish 341 and 342. 3 periods a week; 3 credits.

*Spanish 442. SPANISH AMERICAN AUTHORS.* A survey of the main innovative trends in the Spanish American novel especially after 1945. Authors to be included are Maria Luisa Bombal, Ernesto Sabato, Juan Carlos Onetti, Miguel A. Asturias, Juan Rulfo, Carlos Fuentes, Alejo Carpentier y Gabriel Garcia Marquez. Prerequisite: Spanish 341, 342. 3 periods a week; 3 credits.

*Spanish 490, 491. DIRECTED STUDY.* Individualized study; recommended only when material cannot be covered in scheduled courses. By permission of department head. 6 credits maximum.





# Department of Speech and Theatre

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Douglas M. Young, *Acting Head*  
Frances Arehart, *Secretary*

The department offers a B.F.A. in Performing Arts with a concentration in Theatre, and is a part of the Division of Fine and Performing Arts, which includes the departments of Art, Music and the discipline of Dance.

The degree program offers the student an opportunity to explore all facets of theatrical work as well as pursue one of three areas of emphasis: performance, technical theatre, and dramatic literature, theory and criticism. The objective of the program is to produce trained and competent performers and theatrical technicians, and to develop an appreciation for the literary and historical traditions that are unique to the theatre.

Students are trained in regular course and studio work and by participating in a full schedule of major play productions each year. In addition, selected students receive a full semester's training under professionals as interns at the Virginia Museum Theatre in Richmond for which they receive academic credit.

For non-majors, courses in theatre offer the student insights into the human character as reflected in dramatic literature and productions, and create an awareness of the relationship of theatre to the individual's life, society, and the human condition. Non-majors may participate and receive academic credit for work in the major theatrical productions of the Longwood Players and the department.

In association with the University of Virginia, the department offers the only cooperative degree program in Speech Pathology in the state. This unique program requires the student to spend three years at Longwood College and a fourth year in residence on the campus of the University of Virginia. The three years at Longwood introduce and prepare the student for training in the laboratory facilities at the University in the fourth year of study.

The department offers minors in both Speech and Theatre. Courses in speech are designed for those planning to enter occupations which require basic communication skills. Teaching, business administration, personnel work, social work, and government work are a few of the occupations in which these skills are most vital. Videotape facilities are available for evaluating speech performance and other basic communication skills.

For English majors desiring certification in Speech and Theatre, 6 additional semester hours are required in each field beyond the basic hours required for the major. Any of the course offerings in Speech meet this requirement. For Theatre, students must take THE-220 and one of the following: THE-367, 368 or 369.

For all other majors desiring certification in Speech and Theatre, 12 additional semester hours are required in each field beyond the basic hours required for the major. Any of the course offerings in Speech meet this requirement. For Theatre, students must take THE-220, 200, 300, and one of the following: THE-367, 368, or 369.

For certification for the Performing Arts major, 24 semester hours are required in Theatre. Students must take THE-220, 221, 200, 300, THE/ENG 223, either THE-405 or 406, and one of the following: THE-267, 368, or 369. NOTE: Two play production credit hours may substitute for one of the above courses except for the English major certification requirement. This applies to Theatre certification only.

The department does not guarantee that all of the courses listed above will be offered every year.

## Faculty

Nancy D. Anderson, *Assistant Professor*  
Patton Lockwood, *Professor*

Robert J. Woodburn, *Assistant Professor*  
Douglas M. Young, *Associate Professor and Acting Head*

A. Moffatt Evans, Jr., *Designer and Technical Director*



**SPEECH PATHOLOGY**  
(University of Virginia)  
**B.S. or B.A. DEGREE AWARDED BY LONGWOOD**

*General Education Requirements*

Art, Music or Theatre/6 credits  
English 100, 101/6 credits  
Literature/3 credits  
Literature, Philosophy or Religion/  
3 credits  
History 121 or 122/3 credits  
Social Science/9 credits  
Mathematics 111 or 161/3 credits  
Mathematics 113/3 credits  
Biology 101 or 103/4 credits  
Natural Science/4 credits  
Health Education 100/1 credit  
Physical Education Activity Courses/  
3 credits  
TOTAL/48 credits

*Major Requirements at Longwood*

Biological Science/4 credits  
Psychology 131 or 132/3 credits  
Psychology 240/3 credits  
Psychology 250/3 credits  
Psychology 356, 422, 423 or 523/  
3 credits  
Speech 100/3 credits  
Speech 101/3 credits  
Speech 300/3 credits  
Speech 304/3 credits  
Speech 307/3 credits  
Speech electives/6 credits  
TOTAL/37 credits

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

*Major Requirements at the University of Virginia*

EDSA 500, Introduction to Speech & Hearing Science/3 credits  
EDSA 504, Bases of Speech/3 credits  
EDSA 505, Experimental Phonetics/3 credits  
EDSA 521, Rehabilitation Programs in Speech and Hearing/3 credits  
EDSA 523, The Clinical Process/4 credits  
EDSA 532, Principles of Speech Pathology/3 credits  
ESSA 534, Articulation Disorders/3 credits  
EDSA 551, Introduction to Audiology/3 credits  
EDSA 552, Audiometry/3 credits  
PSYC 411, Psycholinguistics/3 credits  
TOTAL/31 credits

**MINOR IN SPEECH**

18 hours in Speech, including:

Speech 100  
Speech 101

Speech 200  
Electives/9 hours

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**SPEECH (80)**

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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.

*Speech 101. FUNDAMENTALS OF PUBLIC SPEECH.* An introductory study of effective and responsible speaking. Provi-

sions will be made for practical application. 3 periods a week; 3 credits.

*Speech 111. BROADCASTING.* Principles and procedures of radio station organization and operation. Analysis of the Communications Act and the "Rules and Regulations" of the Federal Communication Commission. The course will provide the information and skills necessary to operate and manage an F.C.C. licensed Ed. FM radio station. 3 periods a week; 3 credits.



*Speech 200. HUMAN COMMUNICATIONS.* A course designed to introduce the student to the field of communications, its history, scope, theory, and types, including verbal and non-verbal communication, the mass media, and propaganda techniques. 3 periods a week; 3 credits.

*Speech 210. ORAL INTERPRETATION.* (See Theatre 210.)

*Speech 300. PRACTICUM IN SPEECH THERAPY.* Directed field work with primary and upper elementary pupils who have speech and hearing difficulties. 2 credits.

*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.

*Speech 307. PHONETICS.* The phonetic structure of the English language, its dia-

lects, and derivations, application of the International Phonetic Alphabet and a review of the literature in experimental phonetics. 3 periods a week; 3 credits.

*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.

*Speech 312. FORENSICS.* Designed to acquaint students with forensic procedures, specifically intra- and extra-mural oratorical and forensic activities. 3 periods a week; 3 credits.

*Speech 490, 491. DIRECTED STUDY IN SPEECH.* A directed reading and/or research program administered by qualified specialists in the department. The student must secure approval of the program director and department head prior to registering for this course. 1-3 credits per semester.





# Theatre

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See Department of Speech and Theatre

## PERFORMING ARTS MAJOR, B.F.A. DEGREE

### *General Education Requirements*

Art, Music or Theatre/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  
History 111 or 112/3 credits  
Social Science/6 credits  
Mathematics/6 credits  
Biological Science/4 credits  
Physical Science/4 credits  
Health Education/1 credit  
Physical Education Activity Courses/  
3 credits  
TOTAL/51 credits

### *Basic Course Requirements*

Theatre 101/3 credits  
Theatre 200/3 credits  
Theatre/Speech 210/3 credits  
Theatre 220/4 credits  
Theatre 221/4 credits  
Theatre/English 223/3 credits  
Theatre 300/3 credits  
Theatre 360/3 credits  
One of the following:  
Theatre 367, 368 or 369/3 credits  
Theatre 405/3 credits  
Theatre 406/3 credits  
Two of the following:  
Theatre 225, 320, 321, 322, 323/  
6 credits  
Play Production\*, Theatre 111, 112, 211,  
212, 311, 312, 411, 412/4 credits  
TOTAL/48 credits

\*Application of Theatre Arts training in  
at least 4 play productions, 1 academic  
credit each.

## PERFORMANCE CONCENTRATION

Music 181/1 credit  
Music 182/1 credit  
Physical Education 131/1 credit  
Physical Education 231/1 credit

Theatre 201/3 credits  
Theatre 301/3 credits  
TOTAL THEATRE REQUIREMENTS/  
58 credits  
Electives/17 credits

## TECHNICAL THEATRE CONCENTRATION

Art 130/3 credits  
Art 270/3 credits  
Two of the following:  
Theatre 320, 321, 322, 323/6 credits  
Theatre 330, 331 or 430, 431/  
3-6 credits

Theatre 420/15-18 credits\*  
TOTAL THEATRE REQUIREMENTS/  
63-66 credits  
Electives/12-15 credits

\*VMT Internship, open to select students,  
not included in total hours above.



## DRAMATIC LITERATURE, THEORY AND CRITICISM CONCENTRATION

Theatre 301/3 credits  
Theatre 365/3 credits  
Theatre/English 425/3 credits  
Theatre/English 415/3 credits  
Play Production\*/2 credits

Play Production\*\*/2 credits  
TOTAL THEATRE REQUIREMENTS/  
64 credits  
Electives/11 credits

\*Application of training in technical or  
performance area.

\*\*Application of training as Dramaturg.

### MINOR IN THEATRE

18 hours in Theatre, including:

Theatre 220  
Theatre 367, 368 or 369  
Theatre 405 or 406  
Electives/8 credits

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#### THEATRE (81)

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*Theatre 101. INTRODUCTION TO THE THEATRE.* A general introduction to the theatrical medium as an art form. 3 periods a week; 3 credits.

*Theatre 106 (Physical Education 131, 231). MODERN DANCE I AND II.* Designed to explore the expressiveness of the body for stage movement through the medium of modern dance. 3 periods a week; 1 credit.

*Theatre 111, 112; 211, 212; 311, 312; 411, 412. PLAY PRODUCTION.* Open to all students who perform, or who provide technical support for departmental stage productions. Audition required with director and/or permission of the technical director. Minimum of 45 hours work required. Evaluation: pass/fail. NOTE: Performing Arts majors are expected to earn at least 4 credits for Play Production. 1 credit per semester.

*Theatre 130 (Art 130). DRAWING I.* Fundamentals of drawing, composition, and illustration in various media and techniques. 4 periods a week; 3 credits. Fall only.

*Theatre 181, 182 (Music 181, 182). APPLIED MUSIC-VOICE.* Beginning and advanced voice technique instruction for performers through private instruction or small classes. One-half hour individual instruction, one hour group instruction (or equivalent). 2 credits each semester.

*Theatre 200. INTRODUCTION TO ACTING.* Fundamental acting techniques and emphasis on the creation of characters in modern realistic drama using the Method approach. Classroom exercises and prepared scenes. 3 periods a week; 3 credits. Offered alternate years.

*Theatre 201. ADVANCED ACTING.* Continuation of THE-200. Emphasis on the Method approach, including its application to problems associated with different styles, both historical and theatrical. Classroom exercises and prepared scenes. Participate in one-act plays for THE-301. Prerequisite: THE-200. 3 periods a week; 3 credits. Offered alternate years.

*Theatre 210 (Speech 210). ORAL INTERPRETATION.* Development of the skill of oral reading; techniques of presentation as adapted to varying forms of literature for practice and performance. 3 periods a week; 3 credits. Offered alternate years.

*Theatre 220, 221. STAGECRAFT I AND II.* Lecture-studio dealing with basic physical and technical skills necessary to mount a play production. First semester: scenery construction, running and rigging. Second semester: scenery construction, fundamentals of stage lighting. Work on departmental productions required. 2 periods a week and lab; 4 credits.

*Theatre 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. Offered alternate years.

*Theatre 225. STAGE MANAGEMENT.* The role and responsibilities of the stage manager in academic, community, regional, and professional theatre. Prerequisites: THE-220 and THE-111 or 112, or consent of instructor. 3 periods a week; 3 credits. Offered alternate years.

*Theatre 228. PERFORMING ARTS MANAGEMENT.* Introduction to the management of performing arts operations with emphasis on school and community theatre management. 3 periods a week; 3 credits. Not offered in 1985-86.

*Theatre 270. CONTEMPORARY DRAMA.* European and American plays of recent years which have made the greatest theatrical, literary and/or social impact. 3 periods a week; 3 credits.

*Theatre/Art 270 (Art 270). PAINTING: ACRYLIC AND WATER BASED MEDIA.* Fundamentals of painting involved in subject matter, composition, and materials through the use of acrylics and water-based media. Investigation into backgrounds of contemporary painting. 4 periods a week; 3 credits. Fall only.

*Theatre 300. FUNDAMENTALS OF DIRECTING.* Introduces the student to the tools and techniques used by the interpretative artist in the production of a play. Training involves workshop exercises and scene studies. 2 double periods a week; 3 credits. Offered alternate years.

*Theatre 301. SPECIAL PROBLEMS IN DIRECTING (PRACTICUM).* A continuation of THE-300 with emphasis on play analysis, methods of presentation, and coaching performers. Scene studies and one-act play project. Prerequisites: THE-220, 221, 300. 2 double periods a week; 3 credits. Offered alternate years.

*Theatre 320. SCENE DESIGN.* Lecture-studio analyzing scripts for scenic needs and creating scenic designs. Prerequisites: THE-220, 221, Art 130, or consent of instructor.

2 double periods a week; 3 credits. Offered alternate years.

*Theatre 321. THEORY AND PRACTICE OF SCENE PAINTING.* Lecture-studio dealing with fundamentals of stage painting and its practical application. Work on departmental productions required. Prerequisites: THE-220, 221, Art 270, or consent of instructor. 2 double periods a week; 3 credits. Offered alternate years.

*Theatre 322. COSTUME DESIGN AND CONSTRUCTION.* Lecture-studio analyzing scripts for costume design and construction in conjunction with basic make-up for the stage. Work on departmental productions required. Prerequisites: THE-220, 221, or consent of instructor. 2 double periods a week; 3 credits. Offered alternate years.

*Theatre 323. LIGHTING DESIGN.* Lecture-studio dealing with fundamentals of lighting design: methods, script interpretation, and practical design for the stage. Work on departmental productions required. Prerequisites: THE-220, 221 or consent of instructor. 2 double periods a week; 3 credits. Offered alternate years.

*Theatre 330, 331, 430, 431. ADVANCED PRACTICUM IN TECHNICAL THEATRE.* Practical application of skills accrued from classes and production work; the student will assume responsibility as a member of the production staff on one or more productions. Prerequisites: THE-220, 221 and at least two of the following: THE-320, 321, 322, 323. 3 credits for 330, 331; 3-6 credits for 430, 431.

*Theatre 357 (Physical Education 365). DANCE COMPOSITION.* Theory and practice in composition of solo and small group dances. Designed for advanced dance training. Prerequisites: Performing Arts majors, PED-106 or consent of instructor. 3 periods a week; 3 credits.

*Theatre 358 (Physical Education 366). THEORY AND PRACTICE IN COMPOSITION AND CHOREOGRAPHIC PROBLEMS.* Designed for students interested in advanced training in dance. Prerequisite: Performing Arts majors, PED-131 and/or PED-357 or consent of instructor. 4 periods a week; 3 credits. Offered alternate years.



*Theatre 360. DRAMATIC THEORY AND CRITICISM.* Explores the philosophic and literary background influencing the development of performance styles, playwriting, and scene design. 3 periods a week; 3 credits. Offered alternate years.

*Theatre 365. A STUDY OF INDIVIDUAL PLAYWRIGHTS.* Concentrates on one or a group of playwrights who have made a significant contribution to theatrical literature. 3 periods a week; 3 credits. Offered alternate years.

*Theatre 367 (English 367). SURVEY OF WESTERN DRAMATIC LITERATURE TO THE SEVENTEENTH CENTURY.* Play analysis, dramatic style, and stage settings from the Greek classical period to the advent of the French neoclassic drama. 3 periods a week; 3 credits. Offered alternate semesters.

*Theatre 368 (English 368). SURVEY OF WESTERN DRAMATIC LITERATURE FROM THE SEVENTEENTH CENTURY TO THE TWENTIETH CENTURY.* Play analysis, dramatic style, and stage settings from the French neoclassic period through Ibsen and the advent of Realism. 3 periods a week; 3 credits. Offered alternate semesters.

*Theatre 369 (English 369). WESTERN DRAMATIC LITERATURE IN THE TWENTIETH CENTURY.* Explores traditional and avant-garde plays of the modern period with an emphasis on analysis and fluctuating styles of presentation. 3 periods a week; 3 credits. Offered alternate semesters.

*Theatre 400. PLAYWRITING.* A workshop

for students interested in writing for the theatre. The main emphasis is toward the development of creative work with the possible goal of studio production. Note: This course is not offered every year, but may be taken as an independent study with permission of instructor. 2 double periods a week; 3 credits.

*Theatre 405, 406. HISTORY OF THE THEATRE I & II.* Surveys western theatre from its beginnings to the present. First half: origin of theatre to the 17th century. Second half: the 17th century to the present day. 3 periods a week; 3 credits. Offered alternate years.

*Theatre 415 (English 415). DRAMA.* Study in the tradition and qualities of drama as a unique genre with emphasis on one or more forms or a period in which the genre flourishes. 3 periods a week; 3 credits.

*Theatre 420. VIRGINIA MUSEUM THEATRE INTERNSHIP.* Supervised practicum for selected students in the Performing Arts major at the Virginia Museum Theatre. 1 full semester; 15-18 credits.

*Theatre 425 (English 425). SHAKESPEARE.* Extended study in the works of William Shakespeare. 3 periods a week; 3 credits.

*Theatre 490, 491. DIRECTED STUDY IN THEATRE.* A directed reading and/or research program administered by qualified specialist in the department. Approval of program directed and department head required before registering. 1-3 credits per semester.



# Longwood Teaching Faculty (1984-85)

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*(Year of Initial Appointment in Parenthesis)*

**MERRY LEWIS ALLEN**, Associate Professor and Head of the Department of Mathematics and Computer Science (1960)

B.S., College of William and Mary; M.S., University of Illinois; M.Ed., Ed.D., University of Virginia

**EDNA V. ALLEN-BLEDSOE**, Assistant Professor of Social Work (1980)

B.S., Springfield College; M.S.W., Columbia University

**NANCY D. ANDERSON**, Assistant Professor of Speech and Theatre (1969)

B.S., Westhampton College; M.A., Longwood College; Ed.D., University of Virginia

**JO LESLIE ANDREWS**, Associate Professor of English (1968)

B.A., M.A., Longwood College; Ed.D., University of Virginia

\*\*\***NANCY ANN ANDREWS**, Associate Professor of Health & Physical Education (1966)

B.S., Longwood College; M.S., University of Tennessee; Ed.D., Virginia Polytechnic Institute & State University

**JOHN E. AREHART**, Assistant Professor of Education (1973)

B.A., Southwestern at Memphis; M.Ed., Ed.D., University of Virginia

**JOHN M. AUSTIN**, Associate Professor of Physical Science and Program Director in Earth Science (1963)

B.S., Longwood College; M.Ed., University of Virginia

**MARK S. BALDRIDGE**, Associate Professor of Art (1972)

B.S., State University at Buffalo; M.F.A., Cranbrook Academy of Art

**CHESTER C. BALLARD**, Assistant Professor of Sociology (1981)

B.S., Cumberland College; M.A., Western Kentucky University; Ph.D., Texas A & M University

**ROBERT L. BANTON, III**, Professor of Education (1967)

B.A., Randolph-Macon College; M.Ed., Ed.D., University of Virginia

\*\*\***PATRICK G. BARBER**, Associate Professor of Chemistry (1978)

B.S., Stanford University; Ph.D., Cornell University

**BILLY S. BATTS**, Associate Professor of Biology (1963)

B.S., North Carolina State University; M.S., University of Washington; Ph.D., North Carolina State University

**EDUARD H. BETENAS**, Assistant Professor of Art (1981)

M.A., Institute of Art, Vilna, USSR; M.F.A., Ph.D., The Pennsylvania State University

**BARBARA L. BISHOP**, Professor of Art (1965)

B.S., Longwood College; M.F.A., University of North Carolina at Greensboro

**ROBERT E. BLASCH**, Professor of Music (1965)

B.A., Hofstra University; B.M., M.M., University of Michigan; M.A., University of Illinois; Ed.D., Columbia University

**ELEANOR W. BOBBITT**, Professor of Health & Physical Education and Program Director (1954)

B.S., Longwood College; M.S., University of Tennessee; Ph.D., University of Maryland

**CHARLES B. BOLDING**, Baseball Coach and Instructor (1978)

B.S., Milligan College; M.S., University of Tennessee

**DAVID A. BREIL**, Professor of Biology and Program Director in Biology (1968)

B.S., M.A., University of Massachusetts; Ph.D., Florida State University

**SANDRA J. BREIL**, Associate Professor of Biology (1969)

A.B., University of Vermont; Ph.D., University of Massachusetts

**N. BURTON BROOKS, JR.**, Instructor in Business (1983)

B.S., M.B.A., Virginia Polytechnic Institute & State University



- \*\*\*\***RUTH L. BUDD**, Gymnastics Coach and Instructor (1977)  
B.A., M.S., James Madison University
- JAMES M. CALEB**, Assistant Professor of Business (1979)  
B.S., University of Wyoming; M.B.A., Sam Houston State University
- DAVID S. CALIHAN**, Assistant Professor of Government (1981)  
B.A., Earlham College; J.D., Ohio State University College of Law; M.A., Ohio State University; Ph.D., Miami (Ohio) University
- CAROLYN R. CALLAWAY**, Assistant Professor of Health & Physical Education (1968)  
B.S., University of Maryland; M.S., University of North Carolina at Greensboro
- WILLIAM GARY CARLTON, JR.**, Athletic Trainer and Instructor (1984)  
B.A., University of Richmond
- JOHN E. CARR III**, Professor of Business (1966)  
B.S., The Citadel; M.B.A., Syracuse University
- CRAIG CHALLENGER**, Assistant Professor of English (1983)  
B.A., Bethel College; M.A., Wichita State University; Ph.D., The University of Oklahoma
- MARTHA E. COOK**, Associate Professor of English (1973)  
B.A., Maryville College; M.A., Ph.D., Vanderbilt University
- RICHARD T. COUTURE**, Assistant Professor of History (1966)  
B.A., College of William and Mary; M.A., University of Virginia
- CAROLYN M. CRAFT**, Professor of English (1968)  
B.A., Agnes Scott College; M.A., Ph.D., University of Pennsylvania
- CHERYL A. CRAWFORD**, Associate Professor of Military Science (1983)  
Major, Quartermaster Corps, U.S. Army; B.A., Western Kentucky University; M.S.Ed., University of Southern California
- SANDRA K. CROSS**, Assistant Professor of Health Education (1983)  
B.S., Livingston College; M.Ed., University of North Carolina at Greensboro; Ed.D., University of Virginia
- JAMES W. CROWL**, Associate Professor of History (1967)  
B.A., Davis and Elkins College; M.S., Ph.D., University of Virginia
- JAMES W. CURLEY**, Assistant Professor of Physical Science (1966)  
B.S., Lacrosse State University; M.A.T., University of North Carolina at Chapel Hill
- JOHN A. DAVIS**, Instructor in Military Science (1984)  
Master Sergeant, U.S. Army
- CHARLES J. DEWITT**, Associate Professor of Education (1963)  
B.A., University of Virginia; M.S., Longwood College; Ed.D., University of Virginia
- OTIS W. DOUGLAS III**, Assistant Professor of English (1968)  
B.A., University of Richmond; M.A., Auburn University; M.F.A., University of Iowa
- SHIRLEY G. DUNCAN**, Instructor and Women's Basketball Coach (1983)  
B.A., University of Kentucky; M.S., Indiana University
- RANDALL W. EDMONSON**, Assistant Professor and Head of the Department of Art (1979)  
B.A., Drury College; M.A., University of Missouri; M.F.A., Southern Illinois University
- LOUARD E. EGBERT, JR.**, Associate Professor and Head of the Department of Music (1978)  
B.M.E., Murray State University; M.M.E., University of Illinois; D.M.A., University of Kentucky
- GEORGE P. ELLIOTT**, Associate Professor of Education (1962)  
B.S., M.S., Longwood College
- ANITA B. ERNOUF**, Professor of Foreign Languages (1960)  
B.A., Hunter College; M.A., Ph.D., Columbia University
- ELIZABETH W. ETHERIDGE**, Professor of History (1966)  
A.B.J., University of Georgia; M.A., State University of Iowa; Ph.D., University of Georgia
- LOUIS R. FAWCETT, JR.**, Associate Professor of Physics and Program Director (1965)  
B.S., University of Richmond; M.S., University of North Carolina at Chapel Hill; Ph.D., Virginia Polytechnic Institute and State University
- LYNN M. FERGUSON**, Assistant Professor of Earth Science (1976)  
B.S., East Tennessee State University; M.S., Ph.D., Virginia Polytechnic Institute and State University



- OWEN F. FIELDS**, Assistant Professor of Business (1978)  
B.S., Waynesburg College; M.Ed., Ed.D., University of Pittsburgh
- NANETTE E. FISHER**, Assistant Women's Basketball Coach, Softball Coach & Instructor (1980)  
B.S., Longwood College; M.S., University of Tennessee
- ELISABETH LOUISE FLYNN**, Associate Professor of Art (1970)  
B.A., Manhattanville College; M.A., Loyola University/Chicago; Ph.D., Northwestern University
- MELINDA INGRAM FOWLKES**, Assistant Professor of Home Economics (1976)  
B.S., M.Ed., University of Georgia
- WILLIAM L. FRANK**, Professor of English (1968)  
B.A., M.Ed., University of Southern Mississippi; M.A., Ph.D., Northwestern University
- RICHARD N. FRAZA**, Assistant Professor of Military Science (1983)  
Major, Signal Corps, U.S. Army; B.S., Westminster College
- ROBERT D. GIBBONS**, Professor of Education (1969)  
B.A., M.Ed., College of William and Mary; Ed.D., University of Virginia
- GERALD P. GRAHAM**, Associate Professor of Health & Physical Education (1972)  
B.A., Muskingum College; M.A., Ohio State University; Ph.D., Kent State University
- JAMES C. GUSSETT**, Associate Professor of Mathematics (1966)  
B.S., United States Naval Academy; M.Ed., Ed.D., University of Cincinnati
- L. MARSHALL HALL, JR.**, Associate Professor and Head of the Department of History and Government (1963)  
A.B., M.A.T., Duke University
- FRANCES N. HAMLETT**, Assistant Professor of Business (1965)  
B.S., Longwood College; M.S., Virginia Polytechnic Institute & State University
- DARRELL G. HARBAUM**, Associate Professor of Music (1963)  
B.S., University of Cincinnati; M.Mus., Cincinnati Conservatory of Music
- C. KRISTINE HARBOUR**, Instructor in Business (1983)  
B.S., Longwood College; M.B.A., Virginia Commonwealth University
- WILLIAM R. HARBOUR**, Associate Professor of Government (1976)  
B.A., University of Arizona; M.A., Ph.D., Indiana University
- WILLIAM T. HARDING**, Instructor in Computer Science (1984)  
B.A., Elon College; M.S., Virginia Commonwealth University
- JOHN A. HARDY, III**, Assistant Professor of Chemistry (1967)  
B.A., M.S., University of Virginia
- BETTE L. HARRIS**, Field Hockey Coach and Associate Professor (1979)  
B.S., Madison College; M.A., Sam Houston State University; Ed.D., University of North Carolina at Greensboro
- PHYLLIS W. HARRISS**, Assistant Professor of Health & Physical Education (1961)  
B.S., Longwood College; M.S., University of Tennessee
- RICHARD L. HEINEMANN**, Associate Professor of Biology (1963)  
B.S., Champlain College; M.S., University of Rochester; Ph.D., Medical College of Virginia
- MARY A. HEINTZ**, Professor of Health & Physical Education (1962)  
B.S., Sargeant College of Physical Education; M.S., University of Tennessee; Ph.D., University of Iowa
- JAMES MARVIN HELMS**, Professor of History (1954)  
B.A., Clemson College; M.A., Ph.D., University of Virginia
- PAUL S. HESSELINK**, Professor of Music (1967)  
A.B., Hope College; M.A., Ohio State University; D.M.A., University of Colorado
- FILLMER HEVENER, JR.**, Associate Professor of English (1966)  
B.A., Columbia Union College; M.A., James Madison University; Ed.D., University of Virginia
- LAWRENCE G. HLAD**, Assistant Professor of Sociology and Head of the Department of Sociology and Anthropology (1977)  
B.A., M.A., Boston University; M.A., Princeton University; Ph.D., Union Graduate School-West



- CAROLYN V. HODGES**, Assistant Professor and Athletic Director (1972)  
B.S., Lynchburg College; M.S., Ed.D., University of North Carolina at Greensboro
- LETA JANE HOLMAN**, Professor of Biology (1962)  
B.S., Texas Technological College; M.S., University of Michigan; Ph.D., University of Maryland
- PATRICIA HOWE**, Instructor in Library Science and Librarian (1982)  
B.S., Cabrini College; M.L.S., Syracuse University
- ANNE HUFFMAN**, Assistant Professor of Health & Physical Education (1964)  
B.A., College of William and Mary; M.S., Longwood College
- SANDRA L. HUPP**, Instructor in Therapeutic Recreation (1984)  
B.S., University of Maryland at College Park; M.S., George Williams College
- WILFRED J. JACQUES, JR.**, Associate Professor and Head of the Department of Business and Economics (1983)  
B.A., University of Western Ontario; L.L.B./J.D., University of Georgia; L.L.M., New York University
- DAVID N. JAMES**, Assistant Professor of Philosophy (1982)  
B.A., Carleton College; M.A., Ph.D., Vanderbilt University
- JUDITH R. JOHNSON**, Associate Professor and Head of the Department of Physical Education, Health and Recreation (1972)  
B.S., Winthrop College; M.A., University of Iowa; Ph.D., University of Illinois
- JAMES W. JORDAN**, Associate Professor of Sociology and Anthropology (1978)  
B.S., Indiana University of Pennsylvania; M.A. (Sociology), M.A. (Anthropology), University of Connecticut; Ph.D., University of Georgia
- JILL B. KELLY**, Assistant Professor of French (1983)  
B.A., Pomona College; M.A., Ph.D., University of Oregon
- ILLKA KESKINEN**, Exchange Professor in the Department of Physical Education, Health and Recreation (1984)  
University of Jyväskylä, Finland
- F. RICHARD KIDDER**, Professor of Mathematics (1973)  
B.A., M.A., San Diego State College; Ed.D., University of Georgia
- DENNIS KLAYTON**, Instructor in Business (1983)  
B.S., University of Massachusetts; M.S., Virginia Commonwealth University; C.P.A.
- REBECCA R. LAINE**, Assistant Professor of Library Science and Librarian (1970)  
A.B., College of William and Mary; M.S. in L.S., University of North Carolina at Chapel Hill
- CHARLES F. LANE**, Professor of Geography (1950)  
B.A., M.S., University of Tennessee; Ph.D., Northwestern University
- MARTHA LESTOURGEON**, Associate Professor of Library Science and Director of the Library (1948)  
B.S., Longwood College; M.A. in L.S., George Peabody College for Teachers
- PATTON LOCKWOOD**, Professor of Speech and Theatre (1963)  
B.A., Oberlin College; M.Ed., University of Virginia; Ph.D., Michigan State University
- MICHAEL C. LUND**, Associate Professor of English (1974)  
A.B., Washington University; M.A., Ph.D., Emory University
- PATRICIA D. LUST**, Associate Professor of Music (1979)  
B.M., Heidelberg College; M.M., New England Conservatory of Music; D.M., Indiana University
- CALVIN C. LUTHER**, Men's Basketball Coach and Associate Professor (1981)  
B.S., Valparaiso University; M.S., University of Illinois
- MAURICE H. MAXWELL, JR.**, Assistant Professor of Chemistry and Program Director (1974)  
B.S., Emory and Henry College; Ph.D., West Virginia University
- ROBERT D. MAY**, Assistant Professor of Mathematics (1977)  
B.A., Swarthmore College; Ph.D., Harvard University
- SUSAN H. MAY**, Professor of English (1968)  
B.A., Wellesley College; M.A., University of Delaware; Ph.D., University of Pennsylvania



- FREDA S. McCOMBS**, Associate Professor of Natural Sciences (1961)  
B.S., Salem College; M.Ed., Ed.D., University of North Carolina at Chapel Hill
- DONALD G. McCORT**, Assistant Professor of Business (1978)  
B.B.A., Washburn University; B.S.I.E., Texas Technological College; M.B.A., University of Missouri
- EVA JANE McCREARY**, Associate Professor of Home Economics (1977)  
B.S., Kent State University; M.S., University of Wisconsin
- WAYNE E. McWEE**, Assistant Professor of Business (1984)  
B.S., M.A., Central Michigan University; Ed.D., University of Northern Colorado
- DONALD A. MERKLE**, Assistant Professor of Biology and Program Director for Pre-Professionals (1975)  
B.S., M.S., University of Dayton; Ph.D., Miami University
- JANET E. MERLING**, Instructor in Therapeutic Recreation (1984)  
B.A., Wittenberg University; M.A., George Washington University
- WAYNE K. MESHEJIAN**, Assistant Professor of Physics (1968)  
B.S., Samford University; M.S., Virginia Polytechnic Institute and State University
- GILBERT J. MILLAR**, Professor of History (1970)  
B.A., Southeastern Louisiana College; M.A., Ph.D., Louisiana State University
- LAWRENCE C. MINKS**, Associate Professor of Business (1984)  
B.B.A., M.B.A., Eastern New Mexico University; Ed.D., University of Northern Colorado
- TAMARA MISCHENKO**, Assistant Professor of Art (1983)  
B.F.A., M.F.A., Temple University, Tyler School of Art
- RALPH W. MOHR**, Assistant Professor of Music (1984)  
B.M., Miami University; M.M., Bowling Green State University
- W. BRUCE MONTGOMERY**, Associate Professor of Music (1970)  
B.S., Milligan College; M.Ed., College of William and Mary; Ph.D., Florida State University
- DANIEL G. MOSSLER**, Assistant Professor of Psychology (1982)  
B.A., University of Texas; M.A., Ph.D., University of Virginia
- FRIEDA E. MYERS**, Assistant Professor of Music (1967)  
B.S., Indiana Central College; M.Mus., Indiana University
- ERNEST L. NEAL**, Assistant Men's Basketball Coach and Instructor (1982)  
B.S., University of Maryland Eastern Shore; M.S. (Physical Education), M.S. (Health & Safety), Indiana University
- NELSON D. NEAL**, Assistant Professor of Health and Physical Education (1978)  
B.S., State University of New York at Cortland; M.S., University of Wisconsin
- STEVE C. NELSON**, Men's Golf Coach, Wrestling Coach and Instructor (1980)  
B.S., M.A., Western Carolina University
- \*ROGERS J. NEWMAN**, Commonwealth Visiting Professor  
B.A., Morehouse College; M.A., Atlanta University; Ph.D., University of Michigan
- E. T. NOONE**, Associate Professor of Mathematics (1967)  
B.A., M.S., Northwestern State University at Louisiana; Ed.D., University of Southern Mississippi
- JEAN ABBOTT NOONE**, Assistant Professor of Mathematics (1969)  
B.S., James Madison University; M.M., University of Southern Carolina; Ed.D., University of Virginia
- SHIRLEY M. O'NEIL**, Professor of Health and Physical Education  
B.A., University of New Hampshire; M.A., University of Tennessee; Ph.D., University of Michigan
- GEOFFREY C. ORTH**, Assistant Professor of German (1977)  
B.A., Washington & Lee University; M.A., Ph.D., University of Virginia
- MARILYN W. OSBORN**, Assistant Professor and Acting Head of the Department of Home Economics (1970)  
B.S., M.Ed., University of North Carolina at Greensboro
- CHARLES H. PATTERSON, JR.**, Board of Visitors Distinguished Professor of Education and Head of the Department of Education and Psychology and Director of the Graduate Program (1951)  
B.S., M.A., Ed.D., University of Virginia



- LUCINDA PEAKE-HEATH**, Instructor in Health and Physical Education (1983)  
B.A., University of Richmond; M.S., Pennsylvania State University
- JOHN S. PEALE**, Associate Professor of Philosophy (1976)  
B.A., Washington & Lee University; M.A., Boston University; M.Div., Union Theological Seminary (NYC); Ph.D., University of North Carolina at Chapel Hill
- KENNETH B. PERKINS**, Assistant Professor of Sociology and Anthropology (1984)  
B.S., M.S., Valdosta State College; Ph.D., Virginia Polytechnic Institute and State University
- RICHARD J. POSIPANKO**, Soccer Coach, Men's Tennis Coach and Instructor (1979)  
B.S., Slippery Rock State College; M.A., Trenton State College
- JUNG B. RA**, Associate Professor of Education (1967)  
B.A., Teacher's College, Kyong Puk University; M.A., Texas Women's University; Ph.D., University of Iowa
- EARL A. RUBLEY**, Associate Professor of Geography (1963)  
B.S., St. Ambrose College; M.S., University of Kentucky
- JEAN BOSCO RWASUBUTARE**, Professor of African Literature, Fulbright Scholar in Residence (1984)
- HARRY J. SCHNEIDER**, Instructor in Business (1983)  
B.S., Abilene Christian University; M.A.S., Southeastern Oklahoma State University
- MARVIN W. SCOTT**, Professor of Biology and Head of the Department of Natural Sciences (1966)  
B.S., Hampden-Sydney College; Ph.D., Virginia Polytechnic Institute and State University
- ELLERY SEDGWICK**, Assistant Professor of English (1979)  
B.A., Harvard University; M.A.T., Columbia Teachers College; Ph.D., Boston University
- MARIA C. SILVEIRA**, Associate Professor of Foreign Languages (1964)  
Maestro Normal, Escuela Normal de Oriente, Licenciado y Dr. en Educacion y Filosofia, Universidad de Oriente; M.A., Stephen F. Austin University; Ph.D., University of Virginia
- MADLINE L. SIMPSON**, Assistant Professor of Psychology (1979)  
B.A., Fisk University; M.S., Boston University; M.A., New School for Social Research; M.P.A., Virginia Commonwealth University; Ph.D., University of Maryland
- MARILYN SIMPSON-JOHNSON**, Associate Professor of Social Work (1980)  
B.S., North Carolina Agricultural & Technical State University; M.S.S.A., Case Western Reserve University
- RAY B. SIZEMORE**, Associate Professor of Education (1973)  
B.S., M.Ed., North Carolina State University; Ed.D., University of North Carolina at Chapel Hill
- BARBARA B. SMITH**, Professor of Health and Physical Education and LPGA Teaching Professional (1962)  
B.S., Limestone College; M.Ed., University of North Carolina at Chapel Hill; Ed.D., University of North Carolina at Greensboro
- MICHAEL S. SINKOVITZ**, Instructor in Library Science and Librarian (1985)  
B.A., Pennsylvania State University; M.L.I.S., University of Texas
- EDWARD D. SMITH**, Associate Professor of Psychology (1968)  
B.A., Heidelberg College; M.A., University of Hawaii; Ph.D., Kent State University
- MAURICE P. SNELLER**, Professor of History (1960)  
B.A., M.A., Ph.D., University of Virginia
- ROSEMARY SPRAGUE**, Board of Visitors Distinguished Professor of English (1962)  
A.B., Bryn Mawr College; M.A., Ph.D., Western Reserve University
- HOMER L. SPRINGER, JR.**, Associate Professor of Art (1969)  
B.F.A., Richmond Professional Institute; M.Ed., Towson State College
- MASSIE C. STINSON, JR.**, Associate Professor of English (1966)  
B.A., M.A., University of Richmond; Ph.D., University of South Carolina
- SUSAN C. STOCK**, Instructor of Library Science and Librarian (1984)  
B.S., Grand Valley State College; A.M.L.S., University of Michigan



- GEORGE C. STONIKINIS, JR.**, Associate Professor and Head of the Department of Social Work (1970)  
B.S., M.S., Virginia Polytechnic Institute and State University; M.S.W., Virginia Commonwealth University
- DONALD C. STUART, III**, Associate Professor and Head of the Department of English, Philosophy and Foreign Languages (1966)  
B.A., Hamilton College; M.A., Duke University; Ph.D., University of Virginia
- M. IBRAHIM STWODAH**, Assistant Professor of Library Science and Librarian (1981)  
B.A., Kabul University; M.L.S., Indiana University
- BENJAMIN R. SWEGER**, Assistant Professor of Military Science (1983)  
Captain, Air Defense Artillery, U.S. Army; B.S., Penn State University
- ERKKI TERVO**, Exchange Professor in the Department of Physical Education, Health and Recreation (1984)  
University of Jyväskylä, Finland
- CAMILLA C. TINNELL**, Instructor in English (1970)  
B.A., M.S., Radford College
- WAYNE H. TINNELL**, Professor of Biology (1969)  
B.S., M.S., Ph.D., Virginia Polytechnic Institute and State University
- KULDEEP S. TURNA**, Assistant Professor of Economics (1980)  
B.S., M.S., Uttar Pradesh University; Ph.D., Utah State University
- WALLACE H. VALE**, Instructor in Therapeutic Recreation (1983)  
B.A., M.S., University of North Carolina at Chapel Hill
- EDWIN H. VASSAR**, Associate Professor of Education and Director of Student Teaching (1963)  
B.S., Virginia Polytechnic Institute; M.S., Longwood College
- NANCY J. VICK**, Associate Professor of Education and Director of the Bureau of Teaching Materials (1972)  
B.S., East Carolina University; M.Ed., College of William and Mary; Ed.D., Indiana University
- PHYLLIS G. WACKER**, Associate Professor of Psychology (1965)  
B.A., Westhampton College; M.A., University of Richmond
- MARK G. WEATHERLY**, Associate Professor of Education (1970)  
B.S., Stetson University; M.Ed., Ed.D., University of Virginia
- ROBERT P. WEBBER**, Associate Professor of Mathematics and Computer Science (1972)  
B.A., University of Richmond; M.S., Stephen F. Austin State College; Ph.D., University of Tennessee
- O. CAROLYN WELLS**, Professor of Biology (1960)  
B.A., Agnes Scott College; M.S., Ph.D., Emory University
- THOMAS A. WILLIAMS**, Associate Professor of Music (1978)  
B.M., University of Montevallo; M.M., Louisiana State University
- VERA G. WILLIAMS**, Assistant Professor of Education (1984)  
B.S., M.Ed., Northwestern State University at Louisiana; Ed.D., Texas Women's University
- MARY S. WOODBURN**, Associate Professor of Education (1966)  
B.S., Madison College; M.Ed., Ed.D., University of Virginia
- ROBERT J. WOODBURN**, Assistant Professor of Speech (1964)  
B.S., Concord College; M.A., Marshall University; Ed.D., University of Virginia
- WILLIAM C. WOODS**, Assistant Professor of Journalism (1976)  
B.A., George Washington University; M.A., John Hopkins University
- ROBERT S. WU**, Associate Professor of Mathematics (1965)  
B.S., Illinois Institute of Technology; M.S., DePaul University; Ph.D., University of Northern Colorado
- DOUGLAS M. YOUNG**, Associate Professor and Acting Head of the Department of Speech and Theatre (1970)  
B.A., M.A., University of North Carolina at Chapel Hill; M.A., University of Virginia; Ph.D., Florida State University



**\*\*SARAH V. YOUNG**, Associate Professor of Social Work (1971)

A.B., Greensboro College; M.S.W., University of North Carolina at Chapel Hill; Ph.D., Florida State University

\*OCR Commonwealth Visiting Professor.

\*\*Serving as Assistant Dean for Student Academic Standing and Special Project Grants.

\*\*\*On leave, 1984-85.

\*\*\*\*Teaching at University of Jyväskylä, in Jyväskylä, Finland, Fall 1984, under USIA University to University Exchange Program grant.

## EMERITI FACULTY

**EMILY BARKSDALE**, Professor Emeritus of Spanish

**KATHLEEN G. COVER**, Professor Emeritus of Sociology

**SARAH HELEN DRAPER**, Professor Emeritus of Foreign Languages

**ALTON M. HARVILL, JR.**, Professor Emeritus of Biology

**ELIZABETH BURGER JACKSON**, Board of Visitors Distinguished Professor and Professor Emeritus of Natural Sciences

**GEORGE W. JEFFERS**, Professor Emeritus of Natural Sciences

**EDGAR M. JOHNSON**, Professor Emeritus of Education

**JANICE SPEER LEMEN**, Professor Emeritus of Art

**THOMAS A McCORKLE**, Professor Emeritus of Natural Sciences

**JOHN W. MOLNAR**, Professor Emeritus of Music

**FLOYD F. SWERTFEGER**, Professor Emeritus of Education





# Administration (1984-85)

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## BOARD OF VISITORS – 1984-85

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\*Appointment effective June 17, 1985.

\*\*Resigned, March 8, 1985.

NOTE: A full listing of the officers of the administration can be found in the College Directory.







# Application for Admission: Longwood

INSTRUCTIONS: [1] Complete all items. [2] Attach small inexpensive photograph or snapshot. (Write your name on back before attaching.) [3] Enclose \$15.00 application fee. [4] Return completed form and fee to the Director of Admissions, Longwood College, Farmville, Virginia, 23901. [5] Send all applicable transcripts.

1. NAME (print) \_\_\_\_\_  
first middle last

2. Resident Address \_\_\_\_\_  
\_\_\_\_\_ zip code \_\_\_\_\_ county

3. Date of birth \_\_\_\_\_ ( ) \_\_\_\_\_  
mo. day year Soc. Sec. # area code telephone number

4. Ethnic heritage (check one) ☐ American Indian or Alaskan Native; ☐ Asian or Pacific Islander; ☐ Black (not Hispanic origin);  
(This information is for reporting purposes only.) ☐ Hispanic; ☐ White (not Hispanic)

5. Sex \_\_\_\_\_ 6. If you are a citizen of a country other than the United States, please list the country and  
your visa status: \_\_\_\_\_

7. When do you wish to enter Longwood? \_\_\_\_\_ 8. Have you ever applied to Longwood before? \_\_\_\_\_  
mo. year  
If yes, when? \_\_\_\_\_

9. Do you plan to be a resident student? Yes ☐ No ☐ If no, explain: \_\_\_\_\_

10. What is your intended field of study? \_\_\_\_\_ If undecided, check here. ☐

11. Applicant's marital status: Single ☐ Married ☐  
parent

12. Name of parent or guardian: guardian \_\_\_\_\_  
spouse \_\_\_\_\_

13. Father's Position/Organization \_\_\_\_\_  
Mother's Position/Organization \_\_\_\_\_

14. Name and address of high schools attended: 1. \_\_\_\_\_ (date)  
2. \_\_\_\_\_ (date)

15. High School graduation date \_\_\_\_\_ mo. yr.

16. Have you attended any college since graduation from high school? If yes, please list below and ask each college to forward your transcript to Longwood College.

1. College \_\_\_\_\_ Date \_\_\_\_\_  
2. College \_\_\_\_\_ Date \_\_\_\_\_

17. Describe any honors you have received in school or college. (Include membership in honor societies, medals or awards received, scholarships won, etc.)  
\_\_\_\_\_  
\_\_\_\_\_

18. List below the name of any school or college organization or activity of which you are, or have been, a member. List offices held. Include such activities as work on yearbook, newspaper, sports, dramatics, etc.

Organization/Activity	School or College	Office
_____	_____	_____
_____	_____	_____
_____	_____	_____

19. Have you ever been convicted of a serious law violation? \_\_\_\_\_ Explain: \_\_\_\_\_

photograph



20. Have you taken the College Board Scholastic Aptitude Tests (SAT)? \_\_\_\_\_ If so, when? \_\_\_\_\_

21. Do you plan to take or retake the SAT? \_\_\_\_\_ If yes, when? \_\_\_\_\_

The College requires all candidates for admission to take the SAT of the College Entrance Examination Board (In special cases, the ACT examination can be substituted for non-Virginia students.)

22. List your hobbies: \_\_\_\_\_

23. Give names of relatives who have attended or are now attending Longwood College.

_____	_____	_____	_____
<small>name</small>	<small>relationship</small>	<small>name</small>	<small>relationship</small>

24. I first learned of Longwood College from: \_\_\_\_\_

25. Give names of any other colleges to which you are applying for admission. 1. \_\_\_\_\_

2. \_\_\_\_\_ 3. \_\_\_\_\_

26. If you are admitted to Longwood College do you agree to comply fully with the regulations of the College and the Student Government Association? \_\_\_\_\_

27. Please describe your plans for the future. This should be in your handwriting and prepared without assistance.

The information given in this application is correct to the best of my knowledge and belief.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Longwood College is pledged to a non-discriminatory policy of admissions.



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THE MAIN CAMPUS  
LONGWOOD COLLEGE, FARMVILLE, VIRGINIA



**SPORTS AND ATHLETIC FIELDS**  
Baseball (Lancer Field) — B1  
Basketball (Lancer) — E4  
Field Hockey (Barlow Field) — F7  
Golf (Longwood Golf Course, Longwood Estate)  
Soccer (First Avenue Field) — I1  
Tennis (11 Tennis Courts)  
Women's Lacrosse (First Avenue Field) — I1  
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ADMINISTRATION  
(Ruffner and South Ruffner) .. 1-7

ACADEMIC BUILDINGS

GENERAL

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**ACADEMIC BUILDINGS**

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Library (Lancaster) -- K6

Music (Wygall) -- F3  
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Social Sciences (West Ruffner and Hiner) .. 1.7, 1.6

## Therapeutic Recreation (Lancer) -- E4

## AUDITORIUMS

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Jarman .. L6

Molnar (Wygai) -- F3

## Cox -- L4

Cunninghams -- J5  
Curren -- D5

French .. G8

South Ruffner .. H7  
 Stubbs .. K3

## Wheeler -- M4

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# Longwood College

Farmville,  
Virginia 23901

Non-Profit Organization  
U.S. Postage PAID  
Farmville, VA 23901  
Permit No. 17

## Longwood Profile and Costs

**Founded:** 1839

**Character:** State college; primarily residential; Bachelor's and Master's degrees; numerous career fields; liberal arts base.

**Location:** Farmville, Virginia, in the heart of the state, about an hour's drive from Richmond, Charlottesville, and Lynchburg; within a three-hour drive of Virginia Beach and a two-hour drive of the Blue Ridge Mountains.

**Individual Courses Offered:** 850

**Majors:** 30 **Minors:** 30

**Concentrations:** 70

**Program Areas:** Liberal Arts and Sciences; Business; Education; Physical Education, Health and Therapeutic Recreation; Pre-Engineering; Pre-Medical areas; Social Work.

**Full-time Students:** Approximately 2,600 on campus, regular term

**Faculty:** 150; **Student/Faculty Ratio:** 17 to 1

**Average Class Size:** 22

**Student Organizations:** 80

**Social Fraternities:** 5

**Social Sororities:** 11

**Men's Intercollegiate Sports:** Baseball, basketball, golf, soccer, tennis, wrestling.

**Women's Intercollegiate Sports:** Basketball, field hockey, golf, gymnastics, lacrosse, softball, tennis, volleyball.

**Coeducational Intercollegiate Sports:** Riding.

**Alumni of Record:** 14,500

**Library Holdings:** 222,118 books and bound periodicals, 1,652 periodical subscriptions, 3,048 government publications, 2,013 maps, 3,111 cassettes, 3,173 filmstrips, 2,443 records, 14,911 slides, 104,175 microforms, and 8,447 pamphlets. In addition, many departments have their own libraries, and Longwood students can use the Hampden-Sydney Library, which has 150,000 volumes.

**Residence Hall Spaces:** 2,173, primarily double occupancy (suite style, with bathrooms for four), also three-person rooms with private bath, some doubles with baths at each end of hallway, and a few singles.

**Size of Campus:** 54 acres for main campus; 100 acres for Longwood Estate.

**Number of Buildings:** 46

**Auditoriums:** Jarman, 1,227 seats; Jeffers, 235 seats; Bedford, 176 seats; and Molnar Recital Hall, 191 seats.

**Student Aid:** \$3,000,000

Percent of Students Receiving Financial Aid: 60% (80% federal aid; 20% other).

**Costs:** For the 1985-86 academic year, the cost for Virginia students living in residence halls is \$4,686 (includes tuition, comprehensive fees, room, and 19-meals-a-week plan). The 15-meal plan is \$4,574. The comparable cost for out-of-state students living in residence halls is \$5,868 (19 meals) and \$5,756 (15 meals). The cost for Farmville-area students not living in residence halls is \$2,018. Books and supplies are additional.