



## COLLEGE OF ARTS AND SCIENCES

Dr. Thomas E. Dasher, Dean

### **Mission Statement**

The College of Arts and Sciences is dedicated to serving students, faculty, the institution, and the region. All programs and services are governed by a commitment to excellence that is the hallmark of the College.

*To serve students.* The College serves students through the Core Curriculum and through various programs of study in preprofessional, transfer, and degree programs. The Core Curriculum, most of which is delivered by departments and programs in Arts and Sciences, provides all students of the University a foundation grounded in the liberal arts disciplines of the humanities, natural sciences, social sciences, and mathematics. Learning outcomes of the Core are designed to develop critical thinking, written and oral communication skills, and the ability to use technology effectively. Beyond the Core, the mission of the College is to provide quality minors, associate, bachelor, and graduate degrees in these traditional disciplines and in interdisciplinary programs, and to serve students in programs in other Colleges. All programs are characterized by having clearly defined goals, coherent structure, currency, relevance, and rigor, and all prepare students to meet the challenges of an ever-changing world.

*To serve faculty.* The College serves its faculty by providing an environment in which instructional excellence is expected and valued, service to the university and community is encouraged, and scholarly activity, research, and creative endeavors are supported and rewarded. Through activities as varied as the recruitment of new faculty to the celebration of the contributions of retiring faculty, the College creates a congenial work environment that supports its faculty intellectually and professionally.

*To serve the institution.* Beyond program contributions, the College of Arts and Sciences seeks to serve the university community at large by its participation in the various activities that make up the life of the institution outside the classroom. Students and faculty from Arts and Sciences participate in academic and non-academic extracurricular activities, including governance organizations, and serve on departmental, college, and university committees that contribute to the effective functioning of the institution. An integral part of the mission of Arts and Sciences is to seek out and support opportunities for collaboration with other units of the university outside of the College.

*To serve the region and beyond.* The College of Arts and Sciences, as the largest academic unit of Valdosta State University, plays a major role in helping the university meet its service mission to the intellectual, cultural, and economic life of the region. Through teaching, research, creative endeavors, and the spectrum of outreach and support activities provided by the students and faculty of the College, Arts and Sciences contributes to an improved quality of life for all citizens of the region.

Eleven academic departments comprise the College of Arts and Sciences: Biology; Chemistry; English; History; Mathematics and Computer Science; Modern and Classical Languages; Office of Academic Student Instructional Support; Philosophy; Physics, Astronomy, and Geosciences; Political Science; and Sociology, Anthropology, and Criminal Justice. The degrees of Associate of Arts, Associate of Applied Science, Bachelor of Arts, Bachelor of Science, Bachelor of General Studies, Master of Arts, Master of Public Administration, and Master of Science are granted through the College. Four interdisciplinary programs also are housed in the College of Arts and Sciences: African American Studies, Honors, General Studies and Women’s Studies.

The Bachelor of Arts degree with a major in economics is offered in conjunction with the College of Business Administration. The Bachelor of Arts degree with majors in art or music is offered in conjunction with the College of the Arts; the Bachelor of Arts degree with a major in psychology, and the Bachelor of Applied Science degree with a major in technical studies, the Bachelor of Science degree with a major in sports medicine and the Bachelor of Science degree with a major in psychology are offered in conjunction with the College of Education. Detailed degree requirements may be found in the Valdosta State *Bulletin* in sections of the departments of Economics; Art; Music; Psychology and Counseling ; Vocational Education; and Kinesiology and Physical Education.

The Associate of Arts degree may be earned upon satisfactory completion of 60 semester hours of academic credit, to include completion of Areas A through F of the Core Curriculum. Any single Area F may be selected from among departmental listings. The Associate of Applied Science degree cooperative program and the Associate of Applied Science degree in dental hygiene with Valdosta Technical Institute are offered in conjunction with the College of Education.

**DEGREE PROGRAM OFFERED THROUGH THE COLLEGE OF ARTS AND SCIENCES**

**Associate of Arts**

**Associate of Applied Science**

VSU Cooperative program with Vocational Technical Institutes

VSU/Val Tech Cooperative Program in Dental Hygiene

**Bachelor of Arts**

Art	Economics	English
French	History	Legal Assistant Studies
Mathematics	Music	Philosophy
Psychology	Political Science	Sociology/Anthropology
Spanish	Criminal Justice	

## **Bachelor of Applied Science**

Technical Studies

Applied Information Technology

## **Bachelor of Science**

Administrative Services	Computer Information Systems	Sports Medicine
Applied Mathematics	Environmental Geography	
Astronomy	Mathematics	
Biology	Mathematics \Computer Science Option	
Chemistry	Physics	
Computer Science	Psychology	

## **Bachelor of General Studies**

### **Pre-Professional Program**

Although degrees are not conferred in pre-professional areas such as pre-medicine or pre-dentistry, programs of study are available that prepare students to enter other institutions where they can complete their professional training. Some programs require students to finish a four-year sequence in a major; others call for students to complete a two- or three-year sequence of study. Since requirements for pre-professional degrees vary according to programs and students' needs, it is important that students declare early their intention to pursue specialized study so that they may receive proper advising. Pre-professional areas and the departments responsible for advising are listed below.

#### **Advising in**

Department of Biology

Department of Chemistry

Department of Physics, Astronomy,  
and Geosciences

Department of Political Science

Department of English

Department of History

Department of Philosophy

Department of Marketing/Economics

Department of Sociology, Anthropology,  
and Criminal Justice

#### **MINORS**

#### **For Programs in**

Allied Health Programs, Community Health, Nutrition, Dental Hygiene, Medical Records, Administration, Medical Technology, Occupational Therapy, Optometry, Physical Therapy, Physician's Assistant, Respiratory Therapy, Preparation for Dental Medicine, Medicine, Pharmacy, Veterinary Medicine

Medicine, Dental Medicine, Veterinary Medicine, Pharmacy

Preparation for Engineering

Preparation for Law

Preparation for Law, Theology, or Seminary

Preparation for Law

Preparation for Law, Theology, or Seminary

Preparation for Law

Preparation for Law

Preparation for Social Work

Minors require 15 to 18 semester hours of course work with at least 9 hours from

courses numbered 3000 or above. They are offered by the following departments: Art, English; History; Mathematics and Computer Science; Modern and Classical Languages (French, Spanish); Philosophy; Physics, Astronomy and Geosciences; Political Science; Sociology, Anthropology, Criminal Justice, and in African American Studies and Women's Studies as interdisciplinary minors. See descriptions of minors in the departmental sections of the Bulletin. A grade of "C" or better must be earned in each course comprising the minor, and all prerequisites for specific upper-division courses must be met.

Minors are available in the following Arts and Sciences program areas.

African American Studies	Journalism
Anthropology	Legal Assistant Studies
Astronomy	Mathematics
Computer Science	Mathematics (Statistics)
Creative Writing	Philosophy
Criminal Justice	Physics
English	Political Science
Environmental Geography	Professional Writing
French	Professional / Applied Ethics
Geology	Public Administration
History	Religious Studies
Human Resources	Sociology
Human Services	Spanish
International / Intercultural Studies	Women's Studies

## REQUIREMENTS FOR UNDERGRADUATE DEGREES

### Specific Requirements for the Associate of Arts Degree

1. The Associate of Arts degree may be earned by any student who completes: (a) Areas A, B, C, D, and E of the Core Curriculum, and (b) any Area F of the Core Curriculum, The minimum number of semester hours needed to fulfill these requirements is 60.
2. No more than 40 semester hours of transfer credit may be applied toward degree requirements; a minimum of 20 semester hours of lower division credit must be completed in residence.
3. The minimum cumulative grade point average for graduation is 2.00.
4. Students must demonstrate proficiency in reading and writing by passing the Regents' Testing Program Examination of the University System of Georgia. The test should be taken after completion of English 1102 or no later than the semester following the accumulation of 30 semester hours of earned credit.
5. A State of Georgia Legislative requirement states that degree candidates must possess and demonstrate a reasonable mastery of United States history, Georgia history, the United States Constitution, and the Georgia Constitution. These requirements are met by the successful completion of POLS 1101 or POLS 1101H and HIST 2111/HIST 2111H or HIST 2112/HIST 2112H. The Department of History offers an exemption test to transfer students whose American history course did not include Georgia history.

6. Students must apply for and be accepted in the Associate of Arts degree program prior to completion of Associate of Arts degree requirements.
7. Academic advisement of students seeking the Associate of Arts degree shall be the responsibility of the Dean, College of Arts and Sciences.
8. An application for the degree along with evidence of payment of the graduation fee must be submitted to the Registrar two semesters prior to the anticipated graduation date.

### **Specific Requirements for the Degrees of Bachelor of Arts, Bachelor of Science, Bachelor of General Studies**

1. A minimum of 120 semester hours of academic work in an approved program is required for graduation. The approved program must include 60 semester hours in the completed Core Curriculum.
2. The degree program requires at least 21 semester hours of upper division courses in the major field and at least 39 semester hours of upper division work overall.
3. Thirty of the last 40 semester hours must be completed in residence at Valdosta State, except in the Medical Technology Program and the Dual Degree Program with the Georgia Institute of Technology.
4. No more than 60 semester hours from a two-year institution, nor more than 90 semester hours from a four-year institution, may be applied toward the degree.
5. Attain a minimum overall grade point average of 2.00, and earn no grade lower than a "C" in all courses used to satisfy major field requirements.
6. Several bachelor's degree programs in the College of Arts and Sciences require the completion of a three-course or four-course sequence in a foreign language.
7. Complete at least 6 semester hours of course work numbered 3000 or above in a single discipline outside the major.
8. Students must demonstrate proficiency in reading and writing by passing the Regents' Testing Program Examination of the University System of Georgia.
9. The Regents' Testing Program Examination should be taken after completion of English 1102, but no later than the semester following the accumulation of 30 semester hours of earned credit, whether ENGL 1101 and ENGL 1102 are completed or not.
10. A State of Georgia Legislative requirement states that degree candidates must possess and demonstrate a reasonable mastery of United States history, Georgia history, the United States Constitution, and the Georgia Constitution. These requirements are met by the successful completion of POLS 1101 or POLS 1101H and HIST 2111/HIST 2111H or HIST 2112/HIST 2112H. The Department of History offers an exemption test to transfer students whose American history course did not include Georgia history.
11. Not more than a total of 30 semester hours may be earned through any combination of CLEP, credit by examination, correspondence courses, extension work, and advanced placement.



## **DEPARTMENT OF BIOLOGY**

Dr. David L. Bechler, Head

Room 2009, Nevins Hall

The Department of Biology has a program of courses which leads to a Bachelor of Science degree in Biology. The Department also participates in several pre-professional programs such as pre-dental hygiene, pre-occupational therapy, pre-physical therapy, pre-respiratory therapy, pre-optometry, and medical technology.

Biology is the study of life and represents one of the most dynamic disciplines in science. The courses offered encompass a wide range of subject matter, from cellular to organismal studies. A large selection of courses emphasizing principles and concepts allows students to concentrate in a number of subdivisions of biology. The structuring of core and elective courses in the biology program is designed to prepare students for employment in biology-related positions, as well as for advanced study in graduate school, including biology, medicine, dentistry, veterinary science, and allied health fields.

The major in Biology leads to the Bachelor of Science degree. In addition to this degree, the department participates in several two-year professional programs. Upon completion of these two-year programs, the student may qualify for an Associate of Arts degree.

### **B.S. DEGREE WITH A MAJOR IN BIOLOGY**

The program of study in the Department of Biology has numerous desired outcomes. Examples of these outcomes include the following:

#### **Educational Outcomes**

1. Develop and test hypotheses, collect and analyze data, and present the results and conclusions in both written and oral formats used in peer-reviewed journals and at scientific meetings.
2. Describe the evolutionary processes responsible for biological diversity, explain the phylogenetic relationships among the major taxa of life, and provide illustrative examples.
3. Demonstrate an understanding of the cellular basis of life.
4. Relate the structure and the function of DNA/RNA to the development of form and function of the organism and to heredity.
5. Interpret ecological data pertaining to the behavior of the individual organism in its natural environment; to the structure and function of populations, communities, and ecosystems; and to human impacts on these systems and the

environment.

## **Requirements for the Bachelor of Science Degree with a Major in Biology**

**Core Curriculum Areas A, B, C, D.2.a, and E ..... 42 hours**  
(See VSU Core Curriculum, pp. 95-98)

Biology majors are required to take Pre-calculus (MATH 1113) in Area A and Calculus (MATH 2261) or Statistical Methods (MATH 2620) in Area D.2.a. One hour of calculus will transfer to the upper elective hours. Biology majors are advised to take 3 hours of foreign language in Area C. Biology majors must take 8 hours of science in Area D.2.a and may choose any of the following courses: BIOL 2010, CHEM 1211, CHEM 1212 or calculus-based physics (PHYS 2211K and PHYS 2212K). If biology and/or chemistry courses are taken in Area D.2.a, Biology majors may take non-calculus based physics (PHYS 1111K and PHYS 1112K) in Area F.

**Core Curriculum Area F ..... 18 hours**

Selected from:

BIOL 2010, BIOL 2230, BIOL 2270 ..... 4 hours each  
CHEM 1211K, CHEM 1212K ..... 4 hours each  
PHYS 1111K, PHYS 1112K ..... 4 hours each  
Foreign Language ..... 3 hours

Between Areas D.2.a and F, biology majors must complete 20 hours of science. All the science courses listed for Area F must be taken as part of the major, the exception being physics. To satisfy the 8 hours of required physics, a student has a choice of taking non-calculus based physics in Area F or calculus based physics in Area D.2. Any course listed in Area F that is not taken as part of the required 20 hours of science in Areas D.2 and F must be taken as part of the final 60 hours of the bachelor's degree.

**Senior College Curriculum ..... 60 hours**

Required Upper Division Courses for the

Biology Major..... 17 hours  
BIOL 3100, ..... 4 hours  
BIOL 3200, ..... 4 hours  
BIOL 3300, ..... 4 hours  
BIOL 3450 or BIOL 3400 ..... 4 hours  
BIOL 4900 ..... 1 hour

Additional Biology courses and general electives ..... 11 hours

Biology majors must take sufficient additional hours in upper division biology courses so that a minimum of 40 hours of biology are taken for the major. Laboratory Practicum I and II (Bio 4830 and 4840) and Internship in Biology (BIO 4850) may

not be used as biology electives, but may be used to satisfy general electives discussed below. Directed Study (BIOL 4950) may be used only once as a biology elective, but may be taken more than once if used as a general elective.

Required Upper Division Support Courses	
in Chemistry for the Biology Major .....	11 hours
CHEM 3401 Organic Chemistry I .....	4 hours
CHEM 3402 Organic Chemistry II .....	4 hours
CHEM 3601 Biochemistry I .....	3 hours
Additional hours and general electives .....	9 hours

**Foreign Language requirement.** Biology majors must take sufficient credits in a foreign language such that they complete a minimum of 9 hours.

**General Electives.** Biology majors must take sufficient elective hours such that they complete 120 hours for the Bachelor of Science degree, with a minimum 39 hours being upper division courses.

**Total hours required for the degree ..... 120 semester hours**

The Department of Biology assesses the extent to which the program requirements create the desired outcomes by using a variety of techniques. Examples of these assessments include the following:

### **Examples of Outcome Assessments**

1. Regular advising and evaluation of a student's academic progress are made each semester.
2. So that students possess a good foundation in basic biological principles before taking required and elective Senior College courses in biology, their academic progress in Area F core courses is monitored to ensure that they have achieved a minimum grade of C in each course.
3. The success of students taking Senior Seminar, the capstone course, is evaluated with respect to their understanding of advanced concepts and principles in biology, breadth of knowledge in key areas, and ability to write scientifically correct reports and engage in knowledgeable discourse and debate with their peers and faculty.





## DEPARTMENT OF CHEMISTRY

Dr. Jesse G. Spencer, Head  
Room 1010, Nevins Hall

Students who complete the major in chemistry will graduate with a Bachelor of Science degree. The program in Chemistry is approved by the Committee on Professional Training of the American Chemical Society. Students who complete the approved major will have their degree certified by the American Chemical Society.

All chemistry majors complete the general chemistry sequence and a common forty hour sequence of major courses. These courses, plus the prerequisite hours in physics and mathematics, provide each student with a solid background in analytical, inorganic, organic, physical and biochemistry.

Each student is required to select six hours of advanced chemistry courses as part of the major. The selection, made with the assistance of a departmental adviser, will be made with the postgraduate needs of the student in mind. Students who wish to pursue graduate study in chemistry should select all chemistry courses, while those who wish to accept positions in industrial or government laboratories may wish to select some chemistry and some biology courses to complete the major. Those who plan to attend professional school (medicine, dentistry, veterinary medicine, law or business) will select courses to satisfy entry requirements in the particular program of interest.

The chemistry major is designed for students to develop the critical thinking skills needed for problem solving. Students will be able to state a problem succinctly, outline methods of solving the problem, and proceed to solve the problem after choosing a suitable method. Mastery of problem solving techniques is especially apparent in students who participate in an undergraduate research project. Although the research problems chosen for solution by students are taken from the chemical sciences, the methods developed for problem solving are applicable to other fields.

The core curriculum provides opportunity for every student in the university to obtain the skills necessary for effective written and oral communication. The department requires chemistry majors to demonstrate mastery of those skills by preparing several papers and presenting those papers in Chemistry 2210, Sophomore Seminar. Each senior must present a departmental seminar on a topic which is generally not covered in courses in the department. Successful completion of the departmental seminar will demonstrate that the student is able to search the literature on an unfamiliar topic, prepare a pertinent outline and abstract of the topic, present the material in a clear oral presentation and answer questions on the topic from both faculty and student colleagues.

## B. S. DEGREE WITH A MAJOR IN CHEMISTRY

The major in chemistry is designed to prepare graduates to enter professional school, to attend graduate school or to join the work force in a government, industrial or commercial setting. Among the anticipated educational outcomes of the department are that each graduate will

### Selected Educational Outcomes

1. understand, speak, and write in the language used by professional chemists;
2. demonstrate proficiency in problem solving and experimental design and show proficiency in laboratory procedure and the skills of measurement, analysis, data treatment and interpretation;
3. demonstrate an understanding of professional ethics in terms of data collection, evaluation and reporting and an understanding of environmental issues concerning handling and disposal of chemicals and chemical wastes; and understand the importance of chemistry in its impact on society;
4. demonstrate proficiency in the principles and theories that govern chemistry and appreciate the fact that chemistry is a changing discipline which requires a commitment to life-long learning.

### Requirements for the Bachelor Of Science Degree with a Major In Chemistry: American Chemical Society Certified Degree

**Core Areas A, B, C, D.2.a, and E ..... 42 hours**  
(See VSU Core Curriculum)

Chemistry majors must take MATH 1113 in Area A and MATH 2261 in Area D.2.a. One hour of MATH 2261 will carry over to Area F. In Area D.2.a, chemistry majors may select eight hours from CHEM 1211K, CHEM 1212K, PHYS 2211K, PHYS 2212K or BIOL 2010.

**Core Area F ..... 18 hours<sup>1</sup>**

MATH 2261 (Carryover from Area D.2.a.)	1 hour
MATH 2262 .....	4 hours
CHEM 1211K (unless taken in Area D.2.a.) .....	0-4 hours
CHEM 1212K (unless taken in Area D.2.a.) .....	0-4 hours
CHEM 2310 .....	4 hours
PHYS 2211K (unless taken in Area D.2.a.) .....	0-4 hours
PHYS 2212K (unless taken in Area D.2.a.) .....	0-4 hours

<sup>1</sup> Hours in excess of 18 will carry over into the Senior College Curriculum.

**Senior College Curriculum ..... 60 hours**

Of the 60 semester hours, 39 must be in courses numbered 3000 or above.

CHEM 2210 .....	1 hour
CHEM 3401, CHEM 3402 .....	8 hours

CHEM 3601, CHEM 3601L .....	5 hours
CHEM 3801, CHEM 3802 .....	8 hours
CHEM 4310, CHEM 4510 .....	8 hours
Advanced courses in Chemistry .....	6 hours
Modern Foreign Language <sup>2</sup> .....	6-9 hours
Electives <sup>3</sup> .....	15-18 hours

<sup>2</sup> If three hours of language are taken in Area C of the core, only six will be required in this portion of the major.

<sup>3</sup> Includes hours which carry over from Area F.

**Total hours ..... 120 hours**

### **Chemistry Major Pre-Professional Option**

**Senior College Curriculum ..... 60 hours**

Of the 60 semester hours, 39 must be in courses numbered 3000 or above.

CHEM 2210 .....	1 hour
BIOL 2010 .....	4 hours
BIOL 2270 .....	4 hours
CHEM 3401, CHEM 3402 .....	8 hours
CHEM 3601, CHEM 3601L .....	5 hours
CHEM 3801, CHEM 3802 .....	8 hours
Upper Division Biology Elective .....	4 hours
Upper Division Chemistry Elective .....	4 hours
Upper Division Science or Mathematics Elective .....	4 hours
Modern Foreign Language <sup>2</sup> .....	6-9 hours
Electives <sup>3</sup> .....	9-12 hours

<sup>2</sup> If three hours of language are taken in Area C of the core, only six will be required in this portion of the major.

<sup>3</sup> Includes hours which carry over from Area F.

**Total hours ..... 120 hours**

In order to follow the success with which the educational outcomes are fulfilled the chemistry department will develop a number of assessment techniques, both formal and informal. The formal assessment techniques include the following:

#### **Examples of Outcome Assessments**

1. The department will maintain a portfolio of each chemistry major that will contain the following materials.
  - a. results of discipline related American Chemical Society Examinations.
  - b. samples of written assignments (papers and laboratory reports) from upper division classes.
  - c. faculty evaluation of the student's senior seminar and abstract.

2. Each student will present a seminar on a subject related to chemistry in the senior year. The student will gather and organize the necessary information, develop appropriate visual media, and write an abstract of the talk.
3. A formal alumni interview will be used to evaluate the program.
4. The office of Institutional Research and Planning will be asked to assist in the design and distribution of an alumni survey to evaluate the program.

The chemistry department requires that the prerequisites for a number of chemistry courses be completed with a grade of C or better. Majors in the department should consult an advisor at frequent intervals to be certain that prerequisites are met at the appropriate time and with a suitable grade.



**BACHELOR OF ARTS PROGRAM  
WITH A MAJOR IN ECONOMICS**

The purposes of the B.A. program with a major in economics are: (1) to help students gain an understanding of the economic processes which provide the foundation for our business, political, and social behavior; (2) to teach students how to acquire, process and analyze information so as to make logical choices based upon the benefits and costs of the choices; and (3) to provide students with a rigorous preparation for graduate study in economics, the related areas of political and social science, business administration, and law, and for executive training programs in business and government. The program provides extensive training in tool areas such as mathematics and computer science. It develops the analytical skills of economics, while enabling students to develop knowledge in areas appropriate to their advanced field of training.

## **BACHELOR OF ARTS DEGREE WITH A MAJOR IN ECONOMICS**

**Core Curriculum Areas A-E (See VSU Core Curriculum) ..... 42 hours**

**Area F Recommendation ..... 18 hours**

ECON 2105, ECON 2106 .....	6 hours
MCL Foreign Language and Culture* .....	6 hours
MATH 1261 .....	3 hours
CS 1000 or CISM 2201 .....	3 hours

\* Note that the total foreign language requirement for this degree is 9 hours. Students completing Area F courses in Areas B through E as part of their core curriculum will be required to substitute VSU core curriculum courses as part of their Area F requirements. Students should see their advisor to ensure that appropriate courses are selected in order to satisfy this requirement.

**Economics Major Curriculum ..... 60 hours**

Required<sup>1</sup> ..... 15 hours

BUSA 2100, ECON 3100, ECON 3500,  
ECON 3600, ECON 4900

Economics Electives<sup>1</sup>: ..... 15 hours

Any 3000 or 4000 level ECON course

Senior Electives<sup>1,3</sup>: ..... 15 hours

Any 3000 or 4000 level course not required above

General Electives<sup>1,2</sup>: ..... 15 hours

Any 3000 or 4000 level course not required above

<sup>1</sup> The grade in each of these courses must be a “C” or better.

<sup>2</sup> If CISM 2201/CS 1000 and/or MATH 1261 are not taken in the general core (Areas A through F), they are required here.

<sup>3</sup> At least 6 hours in a single discipline outside economics.



## **ENGINEERING**

Dr. Arnold E. Somers, Jr., Coordinator  
Room 2161, Nevins Hall

### **ENGINEERING TRANSFER PROGRAMS**

Engineering is the application of mathematical and scientific principles, technological tools, and practical experience to the solution of real-world problems. Engineering at Valdosta State University is part of the Department of Physics, Astronomy, and Geosciences. It is considered a pre-engineering discipline, since no degree in engineering is offered. However, courses from engineering, the sciences, mathematics, computer science, humanities, and the social sciences provide a strong and intensive curriculum that effectively covers two to three years of work for a wide variety of engineering fields. The remaining course work required for a Bachelor's degree is completed by transfer to a four-year engineering institution. Formal agreements exist for transfer to the Georgia Institute of Technology and to Mercer University, but informal transfer arrangements can also be made with other qualified institutions.

The Pre-Engineering program is designed to prepare students to transfer as third-year students into an engineering curriculum at a degree-granting institution. A major part of this program is the Regents' Engineering Transfer Program (RETP) administered by the Georgia Institute of Technology. The program covers course work through the first two years in four major tracks: Civil Engineering, Electrical and Computer Engineering, Industrial Engineering, and Mechanical and Aerospace Engineering. Other alternatives for transfer in engineering include the Mercer University Transfer Program in Biomedical Engineering, Computer Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering, and the Regular Transfer option to University of Georgia in Agricultural Engineering and Biological Engineering. The Regular Transfer program option also includes transfer to Southern Polytechnic State University to complete a Bachelor of Science degree in an engineering technology major.

Students who desire to enter one of these programs should consult the pre-engineering coordinator as early as possible to understand the requirements of the program and to develop an acceptable program of study. This contact is particularly important for planning the specialized Dual Degree curriculum.

Students in the pre-engineering program may be able to gain related work experience through the VSU Co-op Program. Such experience may prove valuable in terms of career exploration, acquisition of new skills, and career development. In most cases, the Co-op work contract can be continued without interruption after a student transfers to a four-year engineering school. Students seeking more information should contact the Coordinator of Pre-Engineering or the Office of Cooperative Education.

## PRE-ENGINEERING TRANSFER PROGRAMS

### Selected Educational Outcomes

1. Students will demonstrate understanding of fundamental sciences through application to problem solving and experimental laboratory analysis.
2. Students will demonstrate understanding of mathematics through application to mathematical analysis and problem solving.
3. Students will be able to apply scientific and mathematical principles to solve engineering problems.
4. Students will demonstrate the effective use of computers through application packages, programming, scientific calculations, and graphical applications.

### Recommended Courses for the REGENTS' ENGINEERING TRANSFER PROGRAM

Engineering students are required to meet the Core Curriculum of Georgia Institute of Technology by taking Calculus I (MATH 2261) in Area A, Calculus II (MATH 2262) and an approved lab science sequence in Area D, and Computer Science (CS 1010) in Area B.

<b>Core Curriculum Area A</b>	<b>9 hours</b>
ENGL 1101 or ENGL 1101H	3 hours
ENGL 1102 or ENGL 1102H	3 hours
MATH 2261 (1 hour counts in Area B)	3 hours
<b>Core Curriculum Area B</b>	<b>4 hours</b>
CS 1010	3 hours
MATH 2261 (3 hours count in Area A)	1 hour
<b>Core Curriculum Area C</b>	<b>6 hours</b>
See course requirements for Area C on page 97.	
<b>Core Curriculum Area D</b>	<b>11 hours</b>
BIOL 2010, CHEM 1211, CHEM 1212, GEOL 1121, PHYS 2211, PHYS 2212	8 hours
MATH 2262 (1 hour counts in Area F)	3 hours
<b>Core Curriculum Area E</b>	<b>12 hours</b>
See course requirements for Area E on page 98.	
<b>Core Curriculum Area F</b>	<b>18 hours</b>
PHYS 2211-2212, if not taken in Area D	0-8 hours
Lab Science Sequence, if not taken in Area D	0-8 hours
ENGR 2010	2 hours
MATH 2262 (3 hours count in Area D)	1 hour

MATH 2263  
MATH 3340

4 hours  
3 hours

The pre-engineering curriculum for each track is shown below:

**Valdosta State University Pre-Engineering Curriculum For Transfer  
To Georgia Institute of Technology in Civil Engineering**

FALL SEMESTER	HRS	SPRING SEMESTER	HRS
<b>1<sup>ST</sup> YEAR</b>			
MATH 1113	(3)	MATH 2261	(4)
CHEM 1211	(4)	CS 1010	(3)
ENGR 2010	(2)	ENGR 2500	(3)
ENGL 1101	(3)	ENGL 1102	(3)
POLS 1101	(3)	HIST 2111/2112	(3)
Total Hours	(15)		(16)
		RGTR 0196	
		RGTE 0197	
<b>2<sup>nd</sup> YEAR</b>			
MATH 2262	(4)	MATH 2263	(4)
PHYS 2211	(4)	PHYS 2212	(4)
CS 1301	(4)	ENGR 2200	(3)
ENGL 2110/-20/-30/-40	(3)	BIOL 2010	(4)
Total Hours	(15)		(15)
<b>3<sup>rd</sup> YEAR</b>			
MATH 3340	(3)	MATH 2150	(3)
ENGR 3210	(3)	ENGR 3220	(3)
AREA C (COMM 1100 *)	(3)	ECON 2105/2106	(3)
GEOL 1121	(4)	(ENGL 3020 *)	(3)
HSPE 2000	(2)	AREA E	(3)
Total hours	(15)		(15)

(COURSE \*): recommended but not required, except CS 1302 should be taken by Computer Engineering students.

ECON 2105 (Macroeconomics) or 2106 (Microeconomics) is acceptable for the economics requirement.

# Area D can be satisfied by BIOL 2010, CHEM 1212, or GEOL 1121.

**Recommended Courses for the  
MERCER TRANSFER PROGRAM**

For All Majors (Biomedical, Computer, Electrical, Environmental, Industrial, and Mechanical Engineering) :

**Core Curriculum Areas A - F: same as Regents' Engineering Transfer Program**



**Valdosta State University Pre-Engineering Curriculum For Transfer  
To Georgia Institute of Technology in Computer Engineering or  
Electrical Engineering**

FALL SEMESTER	HRS	SPRING SEMESTER	HRS
<b>1<sup>ST</sup> YEAR</b>			
MATH 1113	(3)	MATH 2261	(4)
CHEM 1211	(4)	CS 1010	(3)
ENGR 2010	(2)	(ENGR 2500 *)	(3)
ENGL 1101	(3)	ENGL 1102	(3)
POLS 1101	(3)	HIST 2111/2112	(3)
Total Hour	(15)		(16)
		RGTR 0196	
		RGTE 0197	
<b>2nd YEAR</b>			
MATH 2262	(4)	MATH 2263	(4)
PHYS 2211	(4)	PHYS 2212	(4)
CS 1301	(4)	ENGR 2310	(4)
ENGL 2110/-20/-30/-40	(3)	AREA C (COMM 1100 *)	(3)
Total Hours	(15)		(15)
<b>3<sup>rd</sup> YEAR</b>			
MATH 3340	(3)	MATH 2150	(3)
ENGR 3320	(3)	(ENGR 2200*)	(3)
(CS 1302 *)	(4)	AREA D #	(4)
ECON 2105/2106	(3)	(ENGL 3020 *)	(3)
AREA E	(3)	HSPE 2000	(2)
Total hours	(16)		(15)

(COURSE \*): recommended but not required, except CS 1302 should be taken by Computer Engineering students.

ECON 2105 (Macroeconomics) or 2106 (Microeconomics) is acceptable for the economics requirement.

# Area D can be satisfied by BIOL 2010, CHEM 1212, or GEOL 1121.

**Valdosta State University Pre-Engineering Curriculum For Transfer  
To Georgia Institute of Technology in Industrial Engineering**

FALL SEMESTER	HRS	SPRING SEMESTER	HRS
<b>1<sup>ST</sup> YEAR</b>			
MATH 1113	(3)	MATH 2261	(4)
AREA D #	(4)	CS 1010	(3)
ENGR 2010	(2)	(ENGR 2500 *)	(3)
ENGL 1101	(3)	ENGL 1102	(3)
POLS 1101	(3)	HIST 2111/2112	(3)
Total Hours	(15)		(16)
		RGTR 0196	
		RGTE 0197	
<b>2<sup>nd</sup> YEAR</b>			
MATH 2262	(4)	MATH 2263	(4)
PHYS 2211	(4)	PHYS 2212	(4)
CS 1301	(4)	(CS 1302 *)	(4)
ENGL 2110/-20/-30/-40	(3)	AREA C (COMM 1100 *)	(3)
Total Hours	(15)		(15)
<b>3<sup>rd</sup> YEAR</b>			
AREA D #	(4)	MATH 2150	(3)
PSYC 2500	(3)	ENGR 2200	(3)
ECON 2105	(3)	ECON 2106	(3)
MATH 3600	(3)	(ENGL 3020 *)	(3)
HSPE 2000	(2)		
Total hours	(15)		(12)

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(COURSE \*): recommended but not required.

# Area D can be satisfied by two of these courses: CHEM 1211, 1212, BIOL 2010, and GEOL 1121.

**Valdosta State University Pre-Engineering Curriculum For Transfer  
To Georgia Institute of Technology in Aerospace Engineering or Mechanical  
Engineering**

FALL SEMESTER	HRS	SPRING SEMESTER	HRS
<b>1<sup>ST</sup> YEAR</b>			
MATH 1113	(3)	MATH 2261	(4)
CHEM 1211	(4)	CS 1010	(3)
ENGR 2010	(2)	ENGR 2500	(3)
ENGL 1101	(3)	ENGL 1102	(3)
POLS 1101	(3)	HIST 2111/2112	(3)
Total Hours	(15)		(16)
		RGTR 0196	
		RGTE 0197	
<b>2nd YEAR</b>			
MATH 2262	(4)	MATH 2263	(4)
PHYS 2211	(4)	PHYS 2212	(4)
CS 1301	(4)	ENGR 2200	(3)
ENGL 2110/-20/-30/-40	(3)	AREA C (COMM 1100 *)	(3)
Total Hours	(15)		(14)
<b>3<sup>rd</sup> YEAR</b>			
MATH 3340	(3)	MATH 2150	(3)
ENGR 3210	(3)	ENGR 3220	(3)
AREA D #	(4)	ECON 2105/2106	(3)
AREA E	(3)	(ENGL 3020 *)	(3)
HSPE 2000	(2)		
Total hours	(15)		(12)

(COURSE \*): recommended but not required.

ECON 2105 (Macroeconomics) or 2106 (Microeconomics) is acceptable for the economics requirement.

Other supporting courses: CS 1302 (4), MATH 3600 (3).

# Area D can be satisfied by BIOL 2010, CHEM 1212, or GEOL 1121.

<b>Engineering Courses .....</b>	<b>21 hours</b>
ENGR 2010, 2200, 2500, 3210, 3220, 2310, 3320	
<b>Supporting Courses .....</b>	<b>9 hours</b>
COMM 1100, ENGL 3020, MATH 2150	

**Recommended Courses for  
REGULAR TRANSFER TO UNIVERSITY OF GEORGIA**

All Majors (Agricultural Engineering, Biological Engineering):

Students should follow the recommended courses for Regents' Engineering Transfer Program, Mechanical Engineering.

**Examples of Outcome Assessments**

The curricula used at VSU to prepare engineering students to transfer are controlled primarily by the courses required at the degree-granting institutions. To be accepted as transfer credit, VSU courses must duplicate the corresponding courses at the transfer institution. Assessment of the VSU engineering program must therefore monitor the individual course contents, which can change from time-to-time, as well as the success of the students who transfer. To monitor the progress of students who transfer, records of the final grades, degree conferred, and any honors received will be maintained and examined annually to determine the effectiveness of the Pre-Engineering program. Transfer students will also be asked to provide an evaluation of their VSU engineering preparation during their final year before graduation.

**DUAL DEGREE PROGRAM**

The Dual Degree program offers a student the opportunity to earn a Bachelor of Science degree from Valdosta State University and, in addition, a Bachelor of Science degree in engineering from Georgia Institute of Technology within a total time period of approximately five years. Three-fourths of the Valdosta State University degree requirements are completed before transfer to Georgia Institute of Technology (nominally three years), while the remaining Valdosta State University degree requirements and the remaining engineering degree requirements are completed at Georgia Institute of Technology (nominally two years). The bachelor's degree from Valdosta State University may be awarded when the student has satisfied the degree requirements.

The major selected at Valdosta State University should be one that can easily incorporate the mathematics and science courses required in the first two years of the engineering field the student plans to enter, i.e., either applied mathematics, computer science, physics, or chemistry. Other majors make the five-year time period unfeasible. The second degree at Georgia Institute of Technology may be selected from any of the fields of engineering.

**Selected Educational Outcomes**

1. Students will demonstrate understanding of fundamental sciences through

- application to problem solving and experimental laboratory analysis.
2. Students will demonstrate understanding of mathematics through application to mathematical analysis and problem solving.
  2. Students will be able to apply scientific and mathematical principles to solve engineering problems.
  4. Students will demonstrate the effective use of computers through application packages, programming, scientific calculations, and graphical applications.

### **Recommended Courses For The Dual-Degree Program**

*Major:* See course requirements for VSU major. Students must complete at least 90 hours at VSU before transferring. See the Dual-Degree Coordinator for additional requirements that must be satisfied before transferring.

*Supporting Courses/Electives:* Students take the following courses as they fit into the major requirements at VSU and the engineering requirements at Georgia Tech. ENGR 2010, 2200, 2310, 2500, 3210, 3220, 3320, MATH 2150, 3340.

The remaining 30 (or fewer) hours required for the VSU degree must be taken at Georgia Institute of Technology, to be accepted as transfer credit by Valdosta State University.

### **Examples of Outcome Assessments**

The curricula used at VSU to prepare engineering students to transfer is controlled primarily by the courses required at the degree-granting institutions. To be accepted as transfer credit, VSU courses must duplicate the corresponding courses at the transfer institution. Assessment of the VSU engineering program must therefore monitor the individual course contents, which can change from time-to-time, as well as the success of the students who transfer. To monitor the progress of students who transfer, records of the final grades, degree conferred, and any honors received will be maintained and examined annually to determine the effectiveness of the Dual-Degree Program in Engineering. Transfer students will also have an opportunity to evaluate their Dual-Degree experience during their final year at Georgia Tech.



**DEPARTMENT OF ENGLISH**  
Dr. Sharon Gravett, Acting Head  
Room 207, West Hall

The Department of English offers four programs of study that lead to a B. A. degree in English and two programs that lead to an M. A. degree in English. The Department also offers minors in English, Journalism, Creative Writing, and Professional Writing.

The programs in the English Department build upon the basic knowledge, skills, and values provided by the University Core Curriculum while preparing students for a wide range of careers as well as for graduate study in numerous fields. The Traditional Track provides a pre-law and pre-theology education as well as prepares students for graduate study in English. The Journalism Track prepares students for careers in print journalism, editing, and in-house news writing. The Creative Writing Track prepares students for graduate study as well as careers in publishing and related fields. The Professional Writing Track also prepares students for graduate study as well as careers in law, business, advertising, and publishing. Students in every Track are encouraged to gain work experience related to their major through internships or the VSU Cooperative Education Program. Each of the Department's Tracks emphasizes the importance of critical thinking skills, encourages an appreciation of diverse cultural perspectives, and develops a greater understanding of the cognitive, emotive, and aesthetic dimensions of language as an avenue of self-knowledge, cultural understanding, and social responsibility.

Each program in the English Department has numerous desired outcomes. Examples of these outcomes include the following:

**BACHELOR OF ARTS DEGREE WITH A  
MAJOR IN ENGLISH**

**Selected Educational Outcomes**

1. To develop a basic knowledge of British, American, and world literatures and an ability to respond to them critically.
2. To prepare students to write and speak with clarity, precision, and sophistication.
3. To train students to research carefully and systematically, utilizing the appropriate computer technology, and to apply that research to the study of language and literature.
4. To foster a greater understanding of the cultural and historical contexts of written communication.

The English to Speakers of Other Languages (ESOL) Endorsement provides credentials to teach English as a second language in Georgia. An ESOL endorsement can be pursued by undergraduate or graduate students working toward possess-

ing certification in a teaching field (T-4 certification) or in speech and language pathology or by students working toward possessing certification in school counseling, provided that a teaching field has been established. Students add the ESOL endorsement by completing the following courses: LING 4000/ENGL 6000 (Elements of Linguistics), LING 4160/ENGL 6000 (Sociolinguistics), and FLED 4600/6800 (Methods and Materials for Teaching ESOL).

**Requirements for the Bachelor of Arts with a Major in English**

**Core Curriculum Areas A-E** (See VSU Core Curriculum) ..... **42 hours**

**Core Curriculum Area F** ..... **18 hours**

ENGL 2140 ..... 3 hours

(If the student takes ENGL 2140 in Area C,  
ENGL 2110, 2120, or 2130 may be substituted)

Foreign Language and Culture through 2002 ..... 6-12 hours

ART 1100, COMM 1100, MUSC 1100, THEA 1100, HIST 1011,  
HIST 1012, HIST 1013, PHIL 2010, PHIL 2020 ..... 3-9 hours

ENGL 1101, ENGL 1102, ENGL 2110, ENGL 2120, ENGL 2130 and ENGL 2140 must be completed with a grade of C or better.

**Traditional Track**

**Senior College Curriculum** ..... **60 hours**

Courses required for the Major ..... 39 hours

ENGL 3110, ENGL 3120, ENGL 3210 ..... 9 hours

ENGL 3060 ..... 3 hours

(prerequisite or corequisite to all 4000-level courses)

ENGL 3080 or ENGL 3090 ..... 3 hours

One British period course (ENGL 4110-4150) ..... 3 hours

One American period course (ENGL 4210-4240) .. 3 hours

One genre course ..... 3 hours

..... (ENGL 4320-4350, 4410, or 4420)

Four 3-hour electives from ENGL, CRWR,  
JOUR, or LING (one Foreign Language  
literature course numbered 4000 or above  
may be substituted) ..... 12 hours

ENGL 4900 ..... Senior Seminar 3 hours

Minor and/or Elective courses ..... 21 hours

Must include at least 6 hours of courses numbered  
3000 or above in a single discipline outside of ENGL.

**Total hours** ..... **120 hours**

**Or**

**Journalism Track**

**Senior College Curriculum** ..... **60 hours**

Courses Required for the Major ..... 40 hours

ENGL 3110, ENGL 3120, ENGL 3210 .....	9 hours
JOUR/ENGL 3080 .....	3 hours
ENGL 3400, JOUR 4500 .....	6 hours
ENGL 3600 .....	1 hour
JOUR 3510, JOUR 3540, JOUR 3570 .....	9 hours
Two electives from the following: .....	6 hours
JOUR 4510, JOUR 4520, JOUR 4550, CRWR/ENGL 3-hr writing course	
JOUR 2500 and/or JOUR 4800 .....	3-12 hours
ENGL 4900 .....	3 hours
Minor and/or elective courses .....	20 hours
Must include at least 6 hours of courses numbered 3000 or above in a single discipline outside of JOUR.	

**Total hours** ..... **120 hours**

**Or**

**Professional Writing Track**

**Senior College Curriculum** ..... **60 hours**

Courses required for the Major .....	40 hours
ENGL 3110, ENGL 3120, ENGL 3210 .....	9 hours
ENGL 3010, ENGL 3020, or ENGL 3030 ...	3 hours
ENGL 3080, ENGL 3090 .....	6 hours
ENGL 3600 .....	1 hour
ENGL/JOUR 4500 .....	3 hours
ENGL 4600, ENG 4620, ENG 4630 .....	9 hours
Elective in CRWR, JOUR, or LING .....	3 hours
CS 1000 or CS 1010 .....	3 hours
ENGL 4900 .....	3 hours
Minor and/or Elective Courses .....	20 hours
Must include at least 6 hours of courses numbered 3000 or above in a single discipline outside of ENGL.	

**Total hours** ..... **120 hours**

**Or**

**Creative Writing Track**

**Senior College Curriculum** ..... **60 hours**

Courses required for the Major .....	40 hours
ENGL 3110, ENGL 3120, ENGL 3210 .....	9 hours
ENGL 3060 .....	3 hours
(prerequisite or corequisite to all 4000-level courses)	
ENGL 3080 or ENGL 3090 .....	3 hours
One British Period course (ENGL 4110-4150) ...	3 hours
One 20th-Century American literature course ....	3 hours
One 4000-level ENGL course .....	3 hours
ENGL 3600 Professional Writing .....	1 hour
ENGL/CRWR 3400 Creative Writing .....	3 hours
One three-course CRWR sequence .....	9 hours
CRWR 3440, CRWR 4440, ENGL/CRWR 4410 or CRWR 3460, CRWR 4460, ENGL/CRWR 4420 or	



CRWR 3420, ENGL/JOUR 4520, ENGL/CRWR 4420

ENGL 4900 3 hours

Minor and/or Elective courses ..... 20 hours

Must include at least 6 hours of courses numbered 3000  
or above in a single discipline outside CRWR.

**Total hours ..... 120 hours**

Students should review the Arts and Sciences requirements for completion of the B.A. degree.

The English Department assesses the extent to which its program requirements create the desired outcomes by using a variety of techniques. Examples of these assessments (and the related educational outcome) include the following.

### Examples of Outcome Assessments

1. Students will submit a portfolio of written work.
2. Students will take a 100-item test of basic knowledge in a capstone course, ENGL 4900.
3. Students will complete a five-page Undergraduate English Major Exit Questionnaire.

**Minor in Creative Writing ..... 15 hours**

CRWR/ENGL 3400 ..... 3 hours

One two-course CRWR sequence: ..... 6 hours

Chosen from CRWR 3440 and CRWR 4440

CRWR 3460 and CRWR 4460

CRWR 3420 and JOUR/ENGL 4520

Two ENGL electives at the 3000 or 4000 level ..... 6 hours

**Minor in English ..... 15-18 hours**

ENGL 2140 (if not taken in Area C or F) ..... 3 hours

ENGL 3110, ENGL 3120, ENGL 3210 ..... 9 hours

Two electives numbered 3000 or above ..... 6 hours  
from ENGL, CRWR, JOUR, or LING

**Minor in Journalism ..... 18 hours**

JOUR/ENGL 3080 ..... 3 hours

JOUR 3510, JOUR 3540, JOUR 3570, JOUR 4500 ..... 12 hours

One elective from the following: ..... 3 hours

JOUR 4510, JOUR 4520, JOUR 4550

**Minor in Professional Writing ..... 16 hours**

ENGL 3010, ENGL 3020, or ENGL 3030 ..... 3 hours

ENGL 3600 ..... 1 hour

ENGL 3080, ENGL 3090, ENGL 4630 ..... 9 hours

One Elective from the following list: ..... 3 hours

ENGL 4600, ENGL 4620, ENGL/JOUR 4500



**BACHELOR OF GENERAL STUDIES DEGREE PROGRAM**

Dr. Brian Adler, Coordinator

2 Brookwood Circle, The VSU Honors House

The Bachelor of General Studies degree program meets specific needs of adult students who have been away from school for a period of time but who wish to return and complete a degree. Students can enter the program with course credits obtained at VSU, at other schools, in military training programs, or through certain standardized tests.

Admission to the program is based on the following eligibility requirements: students must either (a) be in the military on active duty, or (b) document a continuous two-year period in which they were working full-time and not taking university courses.

With the assistance of program advisors, students define three areas of concentration, either in traditional disciplines or in multidisciplinary fields, in which they wish to specialize. Their remaining upper-division coursework can then be focused in these areas.

The objectives of General Studies are (a) to make efficient use of prior academic experience; (b) to encourage students to investigate combinations of disciplines that are not connected in traditional programs; and (c) to give students a role in the guided design of the upper-division course of study.

**Core Curriculum Areas A-E (See VSU Core Curriculum ) ..... 42 hours**

**Core Curriculum Area F (Courses appropriate to the major ) ..... 18 hours**

Eighteen (18) hours of lower-division (1000-2000-level)

from the following areas:

Humanities and Fine Arts [course(s) not taken in Area C] 3 to 9 hours

Social Sciences [course(s) not taken in Area E] ..... 3 to 9 hours

Mathematics and Science [course(s) not taken in Area D] . 3 to 9 hours

Any course approved by advisor in Areas C - F ..... 0 to 9 hours

**Courses Required for the General Studies Major ..... 60 hours**

Students choose one of the following options:

(a) Primary Concentration ..... 21 hours

1st Secondary Field of Study ..... 12 hours

2nd Secondary Field of Study ..... 12 hours

Free Electives ..... 12 hours

GENS 4100 or GENS 4900 ..... 3 hours

(b) Emphasis Area One ..... 15 hours

Emphasis Area Two ..... 15 hours

Emphasis Area Three .....	15 hours
Free Electives .....	12 hours
GENS 4100 or GENS 4900 .....	3 Hours

**Total hours ..... 120 hours**



**HEALTH PROFESSIONS**

Advised by the Department of Biology  
Room 2009, Nevins Hall

Most programs in the health professions require four years of study to complete the degree requirements that are prerequisite for eligibility to take licensing or certification exams. Valdosta State University provides two- or three-year pre-professional programs in the allied health fields listed below.

After completing one of these junior college curricula, students may qualify for the Associate of Arts degree from Valdosta State University and are eligible to apply for admission to an appropriate institution for completion of the professional training required for the baccalaureate degree.

Students interested in academic work in preparation for admission to institutions where the professional training can be completed will be advised in the Department of Biology.

- |                                |                       |
|--------------------------------|-----------------------|
| Community Health Nutrition     | Optometry             |
| Dental Hygiene                 | Pharmacy              |
| Medical Records Administration | Physical Therapy      |
| Medical Technology             | Physician's Assistant |
| Occupational Therapy           | Respiratory Therapy   |



**DEPARTMENT OF HISTORY**  
Dr. David Williams, Acting Head  
Room 210, Ashley Hall North

The Department of History provides an undergraduate program that leads to the Bachelor of Arts degree in History. The Department also offers a minor in History.

The undergraduate major and minor in the Department of History are designed to help students to further and to complete their general education by building upon the foundation that is afforded by the University's Core Curriculum. The programs also provide students with the basic knowledge, skills, and values required for professional careers in History and for advanced study in the field. The program is a flexible one that presents students with opportunities to supplement the major by taking one or two minors or even a second major.

History's scope is extremely broad, and people and their institutions form a particular focus of the discipline. The use of language and the ability to communicate skillfully also are concerns of History. Thus, the study of History prepares students for many different occupations and professions in which such qualities are essential.

Traditionally, teaching has been a career possibility, but, as well, graduates of the program in History are prepared to enter graduate school for further study, to seek employment in business or government, in museums and libraries, in publishing, journalism, and advertising, or to enter the military, politics, or theology. A degree in History is excellent preparation for business school or law school.

Students who are interested in the History major or who have questions about the vocational possibilities of the major should consult with members of the History faculty in Ashley Hall.

### **B.A. DEGREE WITH A MAJOR IN HISTORY**

The Bachelor of Arts program in History has numerous desired outcomes. Examples of the outcomes include the following:

#### **Selected Educational Outcomes**

1. Students will demonstrate knowledge of major political developments in history.
2. Students will demonstrate knowledge of major social developments in history.
3. Students will communicate effectively in writing and orally.
4. Students will demonstrate the ability to engage in critical analysis and historical interpretation.

**Requirements for the Bachelor of Arts Degree with  
a Major in History**

<b>Core Areas A - E</b> (See VSU Core Curriculum) .....	<b>42 hours</b>
<b>Core Area F</b> .....	<b>18 hours</b>
Foreign Language and Culture <sup>1</sup> .....	6 hours
HIST 1011 or HIST 1012 or HIST 1013 .....	3 hours
HIST 2111 or HIST 2112 .....	3 hours
Electives .....	6 hours
HIST 1011/HIST 1012/HIST 1013, if not taken in Area E.	
If one or two are taken in Area E, choice of one or two of the following:	
ANTH 1102, CS 1000, ECON 1500, GEOG 1101, GEOG 1102,	
GEOG 1103, MATH 2620, PHIL 2010, POLS 2101, POLS 2401,	
POLS 1102, PSYC 2500, REL 2010, SOCI 1101, SOCI 1160	
<sup>1</sup> Only two of three required courses in a single foreign language can be taken in Area F. The third course must be taken in Area C or in the Senior College.	
<b>Senior College Curriculum</b> .....	<b>60 hours</b>
Upper division courses in History .....	30 hours
Courses numbered above	
3000, including at least one each in: a) European or British History; b) United States History;	
c) Latin American, African, or Asian History .....	27 hours
HIST 4950 .....	3 hours
Foreign Language and Culture .....	0-3 hours
(if not taken in Area C)	
Minor and/or Electives .....	27-30 hours
Must include at least six semester hours in courses numbered 3000 or above in a single discipline outside the History major.	
<b>Total hours</b> .....	<b>120 hours</b>

**Examples of Outcome Assessments**

1. As a matter of established departmental policy, all upper division courses require written work in the form of essays, research papers, and other similar projects that help determine progress in written communication skills, analytical and interpretive skills, and mastery of course content.
2. Senior Seminar is designed to measure student progress in the program in the mastery of effective oral and written communication, the acquisition of skills in critical analysis and historical interpretation, and the ability to make effective use of library resources and computer and information technology.
3. When such information is available, the department will use as an assessment tool the results of University-wide collection of data that relate to the major and to History graduates.

**The Minor in History ..... 15 hours**  
 Core Curriculum Courses HIST 1011, 1012, 1013 ..... 0-6 hours<sup>2</sup>  
 (if not taken in Area E)  
 Upper Division History Courses ..... 9-15 hours  
<sup>2</sup> Only 6 semester hours of the HIST 1011, 1012, 1013  
 sequence can be taken in Core Area E.



**INTERNATIONAL/INTERCULTURAL STUDIES**

Dr. C. Tracy Harrington, Director of International Programs  
 Carswell Hall, 1526 North Oak Street

The Office of International Programs offers a multidisciplinary minor in International Studies, which is designed to meet two objectives: (1) provide students with a fundamental understanding of international studies as an academic field and the dynamics involved in international issues and concerns, and (2) provide students with a substantial exposure to a specific world region, transnational problem, or disciplinary speciality that is international in scope.

**Selected Educational Outcomes**

1. To clearly describe the parameters of international studies as a field of inquiry and practice, both in historic perspective and current usage;
2. To evaluate career possibilities that are international in nature as well as the most suitable educational paths to those careers;
3. To appreciate the complexities of cultural differences and the impact of these differences on cross-cultural understanding;
4. To apply the tools of research to a major international and inter-disciplinary problem, issue, or phenomenon;
5. To express thorough knowledge of a particular international problem, world region, or international dimension of an academic discipline.

**Minor in International Studies ..... 15 hours**

The minor in International Studies consists of (1) a core component which is required of all students taking the minor and (2) a minor concentration tailored to individual student interests and backgrounds.

Core requirements INTL 2090 and INTL 4800 ..... 6 hours  
Minor concentration ..... 9 hours

Must include at least 6 hours of upper-division course-work. The concentration consists of three courses related either to a particular world region of interest to the student, to an international problem or issue, or to the comparative application of a particular discipline. Students' selection of courses must be approved by a designated advisor within their major as well as by the Director of International Programs. Courses within the concentration may be distributed as follows:

1. Existing courses within the curriculum that address the region, international problem, or disciplinary dimension of interest to the student: ..... 0-9 hours
2. Completion of a language course at the intermediate level or above appropriate for the focus of the student's concentration: ..... 0-3 hours
3. Special topics courses compatible with the student's approved concentration: ..... 0-6 hours
4. The Model United Nations course (INTL 3170), if the focus of the course is appropriate to the student's concentration: ..... 0-6 hours
5. Completion of a study abroad experience relevant to the student's approved concentration: ..... 0-6 hours

Students pursuing the multidisciplinary minor in international studies must meet with the Director of International programs and their College's International Studies Advisors, who will assist them in the selection of courses for the multidisciplinary major.



## **DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE**

Dr. Thomas A. Carnevale, Head  
Room 2121 Nevins Hall

The Department of Mathematics and Computer Science is a multidisciplinary department with programs leading to baccalaureate degrees in mathematics, applied mathematics, mathematics with computer-science option, computer science, and computer information systems. The department also supports two interdisciplinary degrees: a degree in mathematics that is offered in conjunction with the College of Education's program for secondary school teachers, and the Bachelor of Applied Science degree track in Applied Information Technology. Additionally, the department offers minors in mathematics, mathematics (statistics track), and computer science.

The programs in the department are designed to give the student the basic knowledge, skills, and values that build upon the foundation provided by the University Core Curriculum and that are required for professional careers in the mathematical and computing sciences. Moreover, through a series of sequenced courses, the department prepares the student for more advanced study, either at the graduate level or through company training programs. The requirements of the programs have been designed in keeping with national norms of excellence and according to well established model curricula where they exist. The major common feature shared by all the department's programs is the stress on critical thinking skills.

Students may gain work experience related to their major through the VSU Co-Op Program. Such experience may prove valuable in terms of career exploration, acquisition of new skills, and career development.

### **B. S. DEGREE WITH A MAJOR IN APPLIED MATHEMATICS**

#### **Selected Educational Outcomes**

1. Students will learn the algebraic structures—groups, ring, fields, and their applications.
2. Students will learn the concepts of vector spaces, linear transformations, eigenvalues, and normed linear spaces. Further, they will learn to solve systems of linear equations.
3. Students will develop the logical reasoning skills and technical background necessary to do mathematical proofs. They will prove theorems in set theory, analysis, linear algebra, and abstract algebra.
4. Students will use mathematical software to solve problems in numerical analysis, operations research, and statistics. They will have “hands-on” experience in implementing algorithms.



**Requirements for the B.S. Degree with a major in Applied Mathematics**

**Core Curriculum Areas A-E** (See VSU Core Curriculum) ..... **42 hours**  
 (Applied Mathematics Majors are required to take Math 1113 in Area A and Math 2261 in Area D.)

**Core Curriculum Area F** ..... **18 hours**  
 MATH 2261 “spillover” from Area D ..... 1 hour  
 MATH 2262, MATH 2263 ..... 8 hours  
 CS 1301 (3 credits “spill over” into “Supporting Courses”) 1 hours  
 PHYS 2211K, PHYS 2212K ..... 8 hours

**Senior College Curriculum** ..... **60 hours**  
 Courses Required for the Major ..... 36 hours  
     MATH 2150, MATH 3600, MATH 4621 ..... 9 hours  
     MATH 3040, MATH 3340 , MATH 4150 ..... 9 hours  
     MATH 4081, MATH 4260 , MATH 4651 ..... 9 hours  
     MATH 4901, MATH 4910 ..... 6 hours  
     One of the following: ..... 3 hours  
     MATH 3900, MATH 4622, MATH 4630,  
     MATH 4652, MATH 4902  
 Supporting Courses ..... 6-9 hours  
     CS 1301 “spillover” from Area F ..... 3 hours  
     Foreign Language & Culture Requirement 3-6 hours  
 Electives ..... 15-18 hours  
 Must include at least 6 hours of courses numbered 3000 or above in a single discipline outside the major..

**Additional Requirements and Notes**

1. Students must complete 16 credits of laboratory science, including the calculus-based physics indicated in Area F.
2. Students must complete 4 credits of CS 1301 if not taken in Area F.
3. A “C” or better must be earned in all “Courses Required for the Major.” Also, if taken, a grade of “C” or better is required in MATH 1111, 1112, 1113, 2150, 2261, 2262, 2263, and CS 1301.
4. Students must complete a sequence of two courses in French, German, or Russian, either in “Supporting Courses” or in a combination of Area C and Supporting Courses. Minimum acceptable grades in the language courses are the same as minimum acceptable grades in the Core Curriculum.

**Total hours** ..... **120 hours**

**The B.S. degree in Mathematics is available as a second bachelor’s degree for students receiving the B.S.Ed. in Secondary Education in the teaching field of Mathematics.**

Students receiving a Bachelor of Science in Education degree in Secondary Education in the teaching field of mathematics may also receive a B.S. degree with a major in Mathematics by completing **MATH 4150** in fulfilling the requirements for the B.S.Ed. degree. In addition, **MATH 4260, MATH 4081,** and either **MATH 4901 or MATH 4910** (whichever course was not taken to fulfill the requirements for the B.S.Ed. degree) must be completed.

Any of the following courses that are taken by the student must be completed with a grade of C or higher: MATH 1101, MATH 1111, MATH 1112, MATH 1113, MATH 1113H, MATH 2150, MATH 2261, MATH 2262, and MATH 2263,

Students interested in graduating with both degrees should consult the department head concerning the procedures to follow in applying for the second degree.

## **BACHELOR OF SCIENCE DEGREE WITH A MAJOR IN COMPUTER SCIENCE**

### **Selected Educational Outcomes**

1. The student will demonstrate proficiency in data structures (arrays, records, stacks, lists, queues, trees, and graphs). The student will demonstrate knowledge of writing recursive and iterative algorithms, and will show familiarity with the analysis of algorithms.
2. The student will demonstrate knowledge of modern software-engineering principles by participating in the successful development of a practical software-engineering project and orally presenting it to the instructor.
3. The student will demonstrate knowledge of the basic structures and functions of modern computer systems both hardware and operating systems including multi-tasking, concurrency, memory management, and process synchronization.

**Core Curriculum Areas A-E** (See VSU Core Curriculum) ..... **42 hours**

Majors in Computer Science are required to take Precalculus (MATH 1113) in Area A and Analytic Geometry and Calculus I (MATH 2261) in Area D.

**Core Curriculum Area F** ..... **18 hours**

CS 1301 and 1302 and 2620 ..... 11 hours  
MATH 2261 “spillover” from Area D ..... 1 hours  
MATH 2262 ..... 4 hours  
D.II.a Laboratory Science ..... 2 hours  
(with 2 hours “spilling” into Supporting Courses)

<b>Senior College Curriculum .....</b>	<b>60 hours</b>
Courses Required for the Major .....	36 hours
CS 3101, CS 3102, CS 3410 .....	9 hours
CS 3340, 3520 .....	6 hours
CS 4321, CS 4330, CS 4500, CS 4900 .....	12 hours
Additional 4000-level credits of Computer Science .....	9 hours
Supporting Courses .....	14-17 hours
D.II.a Laboratory Science .....	2 hours
(“spillover” from Area F)	
MATH 2150 and MATH 3600, and MATH 4651 or MATH 4901 .....	9 hours
Foreign Language & Culture Requirement	3-6 hours
Electives .....	7-10 hours

**Additional Notes:**

1. The 12-hour lab science requirement must include a two course sequence. All three courses must be from Area D.2.a. Students not completing these requirements in their Core Curriculum must complete them with elective courses.
2. Students must receive a C or better in all of the lower-division mathematics and computer-science courses completed to satisfy the degree requirements.
3. Students must complete a sequence of two courses in a foreign language, in either Supporting Courses or a combination of Area C and Supporting Courses. Minimum acceptable grades in the language courses are the same as minimum acceptable grades in the Core Curriculum.

**Total hours .....** **120 hours**

**BACHELOR OF SCIENCE DEGREE WITH A MAJOR IN  
MATHEMATICS WITH COMPUTER SCIENCE OPTION**

**Selected Educational Outcomes**

1. The student will have an understanding of the basic techniques and concepts of calculus and will be able to apply these techniques and concepts to solve problems.
2. The student will experience the use of some commercial software in solving problems in numerical analysis, operations research, statistics, and linear algebra. The student will also have “hands-on” experience in implementing computational work.
3. The student will know the concepts in boolean algebra and discrete structures and will be able to apply these concepts in computer science and mathematics.

**Core Curriculum Areas A-E (See VSU Core Curriculum) .....** **42 hours**  
Majors in Mathematics with Computer-Science Option are required to take Precalculus (MATH 1113) in Area A and Analytic Geometry

and Calculus I (MATH 2261) in Area D.

**Area F Courses Appropriate to the Major ..... 18 hours**

MATH 2261 “spillover” from Area D .....	1 hour
MATH 2262, MATH 2263 .....	8 hours
MATH 2150 .....	3 hours
CS 1301, CS 1302 .....	6 hours
(with 2 additional “spillover” hours in “Supporting Courses”)	

**Senior College Curriculum ..... 60 hours**

Courses Required for the Major .....	24 hours
MATH 3040, MATH 4081, MATH 4150, .....	9 hours
MATH 3600, MATH 4621 .....	6 hours
MATH 4651, MATH 4901, MATH 4910 .....	9 hours
Supporting Courses .....	23-26 hours
CS 1302 “spillover” from Area F .....	2 hours
CS 2620, CS 3101, CS 3102, CS 3410 .....	12 hours
Other upper-division computer-science courses .....	6 hours
Foreign Language & Culture Requirement	3-6 hours
Electives .....	10-13 hours

**Additional Requirements and Notes**

1. If taken, a grade of “C” or better is required in MATH 1111, MATH 1112, MATH 1113, MATH 2150, MATH 2261, MATH 2262, MATH 2263, CS 1301, and CS 1302.
2. A grade of “C” or better must be earned in all Courses Required for the Major plus the CS courses listed in “Supporting Courses.”
3. CS 1301 (4 hours), CS 1302 (2 hours in Area F), and MATH 2150 (3 hours) are required if not completed in Area F.
4. Students must complete a sequence of two courses in French, German, or Russian in either Supporting Courses or a combination of Area C and Supporting Courses. Minimum acceptable grades in the language courses are the same as minimum acceptable grades in the Core Curriculum.
5. The two

**Total hours ..... 120 hours**

**BACHELOR OF SCIENCE DEGREE WITH A MAJOR IN COMPUTER INFORMATION SYSTEMS**

**Selected Educational Outcomes**

1. Computer-information-systems students will possess problem-solving skills directed toward analysis and design of information systems and computer software.
2. Computer-information-systems students will have a good foundation of knowledge of the accounting, marketing, and management environment.

3. Computer-information-systems graduates will be familiar with and have gained proficiency in the use of data structures, analysis of algorithms, and the design of combinatorial and sequential circuits for the solution of digital-oriented problems.

**Requirements for the Bachelor Of Science Degree with a major in Computer Information Systems**

**Core Curriculum Areas A-E (See VSU Core Curriculum) ..... 42 hours**

**Core Curriculum Area F ..... 18 hours**

CS 1010, CS 1301, CS 1302 ..... 11 hours

ACCT 2101-2102 ..... 6 hours

MATH 1261/1262 (or MATH 2261/2262) ..... 1 hour

Note: There is a requirement in this program that a student complete a six-credit sequence of calculus. One credit in Area F can be devoted to these six credits of calculus.

**Senior College Curriculum ..... 60 hours**

Courses Required for the Major ..... 33 hours

CS 2010, CS 2620 ..... 6 hours

CS 3101, CS 3410, CS 4345, CS 4900 ..... 12 hours

One of CS 3102, CS 3330, CS 3320 CS 3335 ..... 3 hours

One of CS 4500, CS 4330, CS 4820 ..... 3 hours

Track required courses ..... 9 hours

TRACK I ( Software Engineering)

CS 4321, CS4322, CS4323

TRACK II ( Database Design/ Applications)

CS 4721, CS 4727, CS 4723

TRACK III (Networking)

CS4121, CS4122, CS4123

**Supporting Courses ..... 17-20 hours**

Completion of the calculus sequence,

MATH 1266-1267 (or MATH 2261-2262) ..... 2-5 hours

MATH 2620 or MATH 3600 ..... 3 hours

Choose one of the following areas:

Business:

ECON 2106, MGNT 3250 and MGNT 3300,

FIN 3350 or MKTG 3050

OR

Technical Communications:

ENGL 3020, ENGL 3080, ENGL 3090,

COMM 2050, or COMM 2060

**Additional Requirements:**

1. No more than 4 hours of electives may be taken in courses offered by the College of Business Administration.

- A grade of “C” or better must be earned in all Courses Required for the Major and all Supporting Courses.

**Total hours** ..... **120 hours**

## **BACHELOR OF ARTS DEGREE WITH A MAJOR IN MATHEMATICS**

### **Selected Educational Outcomes**

- Students will be able to identify the similarities of results in single-variable calculus and multivariable calculus.
- Students will acquire the logical reasoning skills and technical background necessary to understand mathematical proofs.
- Students will learn concepts from the analysis courses including (but not limited to) the concepts of limit, continuity, derivative, integral, analytic functions, and metric spaces.

### **Requirements for the Bachelor Of Arts Degree with a Major In Mathematics**

**Core Curriculum Areas A-E** (See VSU Core Curriculum, pp. 95-98)..... **42 hours**  
 Mathematics majors are required to take Precalculus (MATH 1113) in Area A and Analytic Geometry and Calculus I (MATH 2261) in Area D.

**Core Curriculum Area F** ..... **18 hours**  
 MATH 2261 “spillover” from Area D ..... 1 hour  
 MATH 2262, 2263 ..... 8 hours  
 CS 1301 ..... 3 hours  
 (1 credit spills over into “Supporting Courses”)  
 Part of 3-course sequence in French,  
 German, or Russian ..... 6 hours

**Senior College Curriculum** ..... **60 hours**  
 Courses Required for the Major ..... 33 hours  
 MATH 2150, MATH 3600, MATH 4621 ..... 9 hours  
 MATH 3340, MATH 3040, MATH 4150 ..... 9 hours  
 MATH 4260, MATH 4081, MATH 4980 ..... 9 hours  
 Select 2 from: MATH 3010, MATH 4082,  
 MATH 4300, MATH 4540 ..... 6 hours  
 Supporting Courses ..... 1 hour  
 CS 1301 “spillover” from Area F ..... 1 hour  
 Electives ..... 26 hours  
 Must include at least 9 hours of courses numbered 3000 or above.

## Additional Requirements and Notes

1. The foreign language courses in area F must meet Arts and Sciences guidelines for the B.A. degree; furthermore, these courses, along with an additional language course either in Area C or in Electives, must constitute a 3-course sequence in French, German, or Russian. Minimum acceptable grades in the language courses are the same as minimum acceptable grades in the Core Curriculum.
2. If taken, a grade of “C” or better is required in MATH 1111, MATH 1112, MATH 1113, MATH 2150, MATH 2261, MATH 2262, MATH 2263, and CS 1301.
3. CS 1301 is required if not taken in Area F.

**Total hours** ..... **120 hours**

**Minor in Computer Science** ..... **17 hours**

The Minor in Computer Science may be earned by completing the following courses with grades of C or better. CS 1301 (Principles of Computer Programming I), CS 1302 (Principles of Computer Programming II), CS 3101 (Computer Organization), CS 3410 (Data Structures), plus three additional credits of Computer Science at the 3000 level or above.

**Minor in Mathematics (Statistics Track)** ..... **17 hours**

The Minor in Mathematics (Statistics Track) may be earned by completing:

MATH 2262, MATH 2263, MATH 3600, MATH 4621

Plus one of the following courses:

MATH 4622 or MATH 4630

**Minor in Mathematics** ..... **17 hours**

The Minor in Mathematics may be earned by completing:

MATH 2262, MATH 2263, MATH 3600, and MATH 3040

Plus one course from:

MATH 3340, MATH 4150, MATH 4081, MATH 4082

MATH 4651, MATH 4652, MATH 4910, MATH 4901

or MATH 4902

## Outcome Assessments

The department assesses the extent to which the program requirements create the desired outcomes by using a variety of techniques. The assessment plan will feature a multi-faceted approach addressing two major areas of concern. Examples of these assessments include the following.

1. How well our graduates are prepared for their post-undergraduate endeavors,

- whether they choose immediate employment or graduate school; and
2. Collective student perceptions with respect to achievement of the program's stated educational outcomes.

In an effort to address concern (1), the department will examine alumni relation survey results of University graduates reported for the 1 and 5 year intervals after graduation. These results will furnish a snapshot of how well the respondents were prepared for future education or employment. These results will also relate student academic experiences in their major field of study. In addition, the University biannual "Summary Results of Students' Opinions ..." will be examined to gather data that will offer feedback which is more program specific in nature. Our capstone course is designed to measure student progress since taking the Area-F mathematics courses in (a) mastering effective oral and written communication in mathematics, (b) acquiring critical-analysis skills, and (c) effectively using library and technological resources in solving non-routine problems.

Concern (2) will be addressed by administering a criterion referenced "program exit questionnaire" designed to measure student perceptions regarding accomplishment of program education outcomes within the framework of a five-option Likert scale. This survey will be administered to the student at the time of major coursework completion. In addition, student project work will be systematically evaluated to determine the degree of alignment between the performance of the program participants and the targeted educational outcomes.





## **DEPARTMENT OF MODERN AND CLASSICAL LANGUAGES**

Dr. Susan Wehling, Acting Head  
Room 128, West Hall

The Department of Modern and Classical Languages offers two programs that lead to the Bachelor of Arts degree, French and Spanish, and two programs that lead to the Bachelor of Science in Education degree, French and Spanish. Additionally, minors are offered in French, German, and Spanish.

The development of the understanding of at least one culture other than their own and communicative proficiency in the language of that culture is an essential element in the educational preparation for citizens who will live in the global society of the twenty-first century. Courses in five world languages, French, German, Japanese, Russian and Spanish, are offered in the Department of Modern and Classical Languages and focus on the acquisition of language skills and cultural knowledge that enable individuals to live or travel in a society where the language is spoken. Additionally, second language skills and cultural knowledge are advantageous to individuals who plan to pursue careers in business, health-related fields, social service and education agencies, law and law enforcement, science- or humanities-related fields in the other culture or their own.

Courses in Latin provide students the opportunity to gain insights into life in the Ancient World and principles and foundations of those societies that have contributed to the rise of modern nations. Through the study of Latin, students gain greater knowledge of their own languages and enhance both their oral and written skills in English.

The programs of study leading to majors in French and Spanish are designed to guide students in the development of competencies in the language skills and cultural knowledge necessary to live in Francophone or Hispanic societies at the level of near-native proficiency. With such a level of ability, students should expect to be able to enter a profession or occupation in education, government, business, law, medicine, or human resources where their bilingual skills are required or are advantageous. They may also elect to continue their study in a graduate program in French or Spanish.

Students who complete the Bachelor of Science in Education will receive certification to teach French or Spanish in grades pre-kindergarten through twelfth grade.

# BACHELOR OF ARTS DEGREE WITH A MAJOR IN FRENCH

## Selected Educational Outcomes

1. The ability to listen and to read in French at the advanced-plus level of proficiency, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines.
2. The ability to speak and to write in French at the advanced level of proficiency, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines.
3. Knowledge of cultural universals and trends, as well as specific similarities and differences between Francophone and American cultures, including both non-verbal and verbal aspects.
4. Knowledge of major historical events and their role in the development of the Francophone cultures as well as knowledge of the major literary and artistic works of those cultures.
5. The ability to use technology for research purposes and as a means of communication with the various areas of the French-speaking world.

**Core Curriculum Areas A-E (See VSU Core Curriculum) ..... 42 hours**

**Core Curriculum Area F ..... 18 hours**

FREN 1001 ..... 0-3 hours

FREN 1002 or FREN 1111 ..... 0-3 hours

FREN 2001 ..... 0-3 hours

FREN 2002 ..... 0-3 hours

Foreign Language and Culture (2nd Foreign Language)<sup>1</sup> 0-6 hours

Electives from Area C and Area E Courses ..... 6-18 hours

<sup>1</sup>Through FL 2002, to be taken in the Senior College Curriculum if not completed in the Core Curriculum.

**Senior-College Curriculum ..... 60 hours**

Upper-Level Courses in French ..... 34 hours

FREN 3301, FREN 3302 ..... 6 hours

FREN 3400, FREN 3500 ..... 6 hours

FREN 3621, FREN 3622 ..... 6 hours

FREN 4400, FREN 4410 ..... 6 hours

Electives: One or two courses in French numbered above 3000 ..... 3-6 hours

FREN 4970 ..... Study Abroad Practicum 0-1 hour

FREN 4980 ..... Community Practicum 1-4 hours

FREN 4990 ..... Senior Seminar 3 hours

Supporting Courses ..... 0-12 hours

2nd Foreign Language and Culture (3-12 hours may be taken in Areas C and F)

Electives ..... 14-26 hours

**Total hours ..... 120 hours**

The Department of Modern and Classical Languages evaluates the level of linguistic proficiency and cultural knowledge achieved by the students in the Bachelor of Arts program in French by using a variety of assessment measures. The results of the assessment activities are used for continued curriculum development and revision. Among the methods used to determine the effectiveness of the program are the following:

### **Examples of Outcomes Assessments**

1. An examination to assess the level of listening, reading, and writing proficiency, along with a Simulated Oral Proficiency Interview to assess the level of speaking proficiency.
2. An examination covering appropriate topics to assess the student's knowledge of content material related to Francophone culture, linguistics, and literature.
3. Evaluation of student performance during FREN 4980, including an assessment of linguistic proficiency and interpreting and translating skills adequate to the practicum assignment, completed by the supervisor in the field.

## **BACHELOR OF ARTS DEGREE WITH A MAJOR IN SPANISH**

### **Selected Educational Outcomes**

1. To demonstrate the ability to listen and to read in Spanish at the advanced-plus level of proficiency, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines.
2. To demonstrate the ability to speak and to write in Spanish at the advanced level of proficiency, as defined by the American Council on the Teaching of Foreign Languages Proficiency Guidelines.
3. To demonstrate knowledge of cultural universals and trends, as well as specific similarities and differences between Hispanic and American cultures, including both non-verbal and verbal aspects.
4. To demonstrate knowledge of major historical events and their role in the development of the Hispanic cultures as well as knowledge of the major literary and artistic works of those cultures.
5. To demonstrate the ability to use technology for research purposes and as a means of communication with the various areas of the Spanish-speaking world.

<b>Core Curriculum Areas A-E</b> (See VSU Core Curriculum) .....	<b>42 hours</b>
<b>Core Curriculum Area F</b> .....	<b>18 hours</b>
SPAN 1001 .....	0-3 hours
SPAN 1002 or SPAN 1111 .....	0-3 hours
SPAN 2001, SPAN 2002 .....	0-6 hours
Foreign Language and Culture (2nd Foreign Language) <sup>1</sup> .....	0-6 hours
Electives from Area C and Area E Courses .....	6-18 hours
<sup>1</sup> Through FL 2002, to be taken in the Senior College Curriculum if not completed in the Core Curriculum.	

<b>Senior-College Curriculum</b> .....	<b>60 hours</b>
Upper-Level Courses in Spanish .....	34 hours
SPAN 3010, SPAN 3150, SPAN 3160 .....	9 hours
SPAN 3200, SPAN 3250 .....	6 hours
SPAN 3260 or SPAN 3270 .....	3 hours
SPAN 4010 and SPAN 4110 .....	6 hours
Electives: Two courses in Spanish, including at least one literature course numbered above 4000 .....	6 hours
SPAN 4970 .....	0-1 hour
SPAN 4980 .....	2-3 hours
SPAN 4990 .....	1 hour
Supporting Courses .....	3-15 hours
LING 4000 .....	3 hours
2nd FL Foreign Language and Culture (3-12 hours may be taken in Areas C and F) .....	0-12 hours
Electives .....	11-23 hours

The Department of Modern and Classical Languages evaluates the level of linguistic proficiency and cultural knowledge achieved by the students in the Bachelor of Arts program in Spanish by using a variety of assessment measures. The results of the assessment activities are used for continued curriculum development and revision. Among the methods used to determine the effectiveness of the program are the following:

### **Examples of Outcome Assessments**

1. An examination to assess the level of listening, reading, and writing proficiency, along with a Simulated Oral Proficiency Interview to assess the level of speaking proficiency.
2. An examination covering appropriate topics to assess the student's knowl-

edge of content material related to Hispanic culture, linguistics, and literature.

3. Evaluation of student performance during SPAN 4980, including an assessment of linguistic proficiency and interpreting and translating skills adequate to the practicum assignment, completed by the supervisor in the field.

## **BACHELOR OF SCIENCE IN EDUCATION DEGREE WITH A MAJOR IN SECONDARY EDUCATION - FRENCH**

Students who are enrolled in the program leading to the B.S.Ed. degree with a teaching field in French will meet all outcomes defined for the students in the program leading to the B.A. degree with a major in French. In addition, there are Performance Standards outcomes established by the College of Education for the professional courses taken to achieve certification in grades pre-kindergarten through the twelfth grade. There are several areas that the outcomes address that are not included in the outcomes for the content area, including the following.

### **Selected Educational Outcomes**

1. To demonstrate an understanding of the nature of the learner.
2. To employ instructional strategies and research methodologies appropriate to the discipline and the learners.
3. To demonstrate effective planning skills.
4. To employ effective assessment techniques in evaluating learners and programs.
5. To maintain an on-going program of professional development.

### **Requirements for the B.S.Ed. Degree with a Teaching Field in French**

<b>Core Curriculum Areas A-E</b> (See VSU Core Curriculum) .....	<b>42 hours</b>
<b>Core Curriculum Area F</b> .....	<b>18 hours</b>
CIED 2000, PSYC 2700, BVED 2400 .....	9 hours
FREN 1001 .....	0-3 hours
FREN 1002 or FREN 1111 .....	0-3 hours
FREN 2001 and FREN 2002 .....	0-6 hours
Guided Electives .....	0-9 hours
<b>Health and Physical Education Requirements for Certification</b> .....	<b>6 hours</b>
KSPE 2000 .....	2 hours
KSPE 2150 .....	2 hours
KSPE Fitness/Activity Courses .....	2 courses
<b>Senior-College Curriculum</b> .....	<b>55 hours</b>
Upper-Level Courses in French .....	32 hours
FREN 2002 if not fulfilled in Area F .....	0-3 hours
FREN 3301, FREN 3302 .....	6 hours

FREN 3400, FREN 3500 .....	6 hours
FREN 3621, FREN 3622 .....	6 hours
FREN 4400, FREN 4410 .....	6 hours
French Elective (above 3000) .....	3-6 hours
FREN 4980 and/or FREN 4970 .....	2 hours
Upper-Level Courses in Education .....	24 hours
PSYC 3110, SPEC 3010 .....	6 hours
ITED 3000 .....	2 hours
FLED 4500 .....	3 hours
FLED 4510 .....	1 hour
FLED 4790 .....	10 hours
FLED 4800 .....	2 hours
Supporting course: LING 4000.....	3 hours

**Total Hours Required for the Degree ..... 125 hours**

In addition to the assessment procedures used to evaluate the extent to which students enrolled in the B.A. degree program in French meet the anticipated outcomes, there are measures employed to determine the effectiveness of the preparation of the prospective teachers.

### **Outcomes Assessment**

1. Students maintain portfolios containing sample coursework, research projects, and community activity to be evaluated before the beginning of student teaching. Upon completion of student teaching, students complete a second portfolio to determine their success in synthesizing and applying acquired knowledge to the actual experience. Components of the portfolio include, teaching philosophy, video tapes, self-critiques, reflections of the entire experience, lesson plans, summary of methodologies and instructional strategies, ancillary materials, contacts, and an annotated bibliography of resource materials.
2. Mentor teachers and the university supervisor furnish performance reports of the students.
3. Praxis II, the standard examination for teacher certification, assesses students' knowledge of content material related to Francophone culture, language, and literature, as well as pedagogy. Scores on the examination serve as one indication of the effectiveness of the program.
4. Periodic surveys of alumni who have completed the program are conducted. These surveys evaluate the relevance of the major program to graduates' present employment, perception of success, and their personal satisfaction with the program, as well as solicit suggestions for improvement of the French Education major.

## **BACHELOR OF SCIENCE IN EDUCATION DEGREE WITH A MAJOR IN SECONDARY EDUCATION - SPANISH**

Students who are enrolled in the program leading to the B.S.Ed. degree with a teaching field in Spanish will meet all outcomes defined for the students in the program leading to the B.A. degree in Spanish. In addition, there are Performance Standards outcomes established by the College of Education for the professional courses taken to achieve certification in grades pre-kindergarten through the twelfth grade. There are several areas that the outcomes address that are not included in the outcomes for the content area, including the following.

### **Selected Educational Outcomes**

1. To demonstrate an understanding of the nature of the learner.
2. To employ instructional strategies and research methodologies appropriate to the discipline and the learners.
3. To demonstrate effective planning skills.
4. To employ effective assessment techniques in evaluating learners and programs.
5. To maintain an on-going program of professional development.

### **Requirements for the B.S.Ed. Degree with a Teaching Field in Spanish**

**Core Curriculum Areas A-E** (See VSU Core Curriculum) ..... **42 hours**

**Core Curriculum Area F** ..... **18 hours**

CIED 2000, PSYC 2700, BVED 2400 ..... 9 hours

SPAN 1001 ..... 0-3 hours

SPAN 1002 or SPAN 1111 ..... 0-3 hours

SPAN 2001 and SPAN 2002 ..... 0-6 hours

Guided Electives ..... 0-9 hours

**Health and Physical Education Requirements for Certification** ..... **6 hours**

KSPE 2000 ..... 2 hours

KSPE 2150 ..... 2 hours

KSPE Fitness/Activity Courses ..... 2 courses

**Senior-College Curriculum** ..... **60 hours**

Upper-Level Courses in Spanish ..... 32 hours

SPAN 2002, if not fulfilled in Area F ..... 0-3 hours

SPAN 3010, SPAN 3150, SPAN 3160 ..... 9 hours

SPAN 3200, SPAN 3250 ..... 6 hours

SPAN 3260 or SPAN 3270 ..... 3 hours

SPAN 4010, SPAN 4110 ..... 6 hours

SPAN 4970 and/or SPAN 4980 ..... 2 hours

Literature Elective (above 4000) ..... 3 hours

Spanish Elective (above 3000), if  
SPAN 2002 is fulfilled in Area F ..... 0-3 hours

Upper-Level Courses in Education .....	24 hours
PSYC 3110, SPEC 3010 .....	6 hours
ITED 3000 .....	2 hours
FLED 4500 .....	3 hours
FLED 4510 .....	1 hour
FLED 4790 .....	10 hours
FLED 4800 .....	2 hours
Supporting course: LING 4000 .....	3 hours

**Total Hours Required for the Degree ..... 125 hours**

In addition to the assessment procedures used to evaluate the extent to which students enrolled in the B.A. degree program in Spanish meet the anticipated outcomes, there are measures employed to determine the effectiveness of the preparation of the prospective teachers.

**Outcomes Assessment**

1. Students maintain portfolios containing sample coursework, research projects, and community activity to be evaluated before the beginning of student teaching. Upon completion of student teaching, students complete a second portfolio to determine the student’s success in synthesizing and applying acquired knowledge to the actual experience. Components of the portfolio include, teaching philosophy, video tapes, self-critiques, reflections of the entire experience, lesson plans, summary of methodologies and instructional strategies, ancillary materials, contacts, and an annotated bibliography of resource materials.
2. Mentor teachers and the university supervisor furnish performance reports of the students.
3. Praxis II, the standard examination for teacher certification, assesses students’ knowledge of content material related to Hispanic culture, language, and literature, as well as pedagogy. Scores on the examination serve as one indication of the effectiveness of the program.
4. Periodic surveys of alumni who have completed the program are conducted. These surveys evaluate the relevance of the major program to graduates’ present employment, perception of success, and their personal satisfaction with the program, as well as solicit suggestions for improvement of the Spanish Education major



<b>Minor in French .....</b>	<b>Total Hours 18</b>
Core Curriculum Courses .....	0-6 hours
FREN 2001 .....	0-3 hours
FREN 2002 .....	0-3 hours
Senior-College Courses .....	12-18 hours
FREN 3301 and/or FREN 3302 .....	3-6 hours
FREN 3400 and FREN 3500 .....	6 hours
Electives: Courses in French	
numbered above 3000 .....	0-9 hours
FREN 4970 Study Abroad Practicum .....	0-1 hour

<b>Minor in German .....</b>	<b>Total Hours 18</b>
Core Curriculum Courses .....	0-6 hours
GRMN 2001 .....	0-3 hours
GRMN 2002 .....	0-3 hours
Senior-College Courses .....	12-18 hours
GRMN 3301 .....	3 hours
GRMN 3551 or GRMN 3552 .....	3 hours
GRMN 4410 .....	3 hours
Electives: Courses in German	
numbered above 3000 .....	3-9 hours

<b>Minor in Spanish .....</b>	<b>Total Hours 18</b>
Core Curriculum Courses .....	0-6 hours
SPAN 2001 .....	0-3 hours
SPAN 2002 .....	0-3 hours
Senior-College Courses .....	12-18 hours
SPAN 3010 .....	3 hours
SPAN 3150 or SPAN 3160 .....	3 hours
SPAN 3200, SPAN 4010 .....	6 hours
Electives: Courses in Spanish	
numbered above 3000 .....	0-6 hours
SPAN 4970 Study Abroad Practicum .....	0-1 hour



## **DEPARTMENT OF PHILOSOPHY**

Dr. Ron Barnette, Head  
Campbell Hall

The Department of Philosophy is a diversified department with a Major program that leads to a B.A. degree in Philosophy, and Minor programs in Religious Studies, Professional and Applied Ethics, and Philosophy. A Certificate Program in Professional and Applied Ethics is also available.

Students who major in Philosophy study a rich and diverse spectrum of ideas, great thinkers, problems and arguments. They are challenged by questions and issues central to the history of philosophy, and confront a wide range of topics in the areas of reasoning and argumentation, ethics, religious studies, philosophy of science, and special topics of central concern to the rich heritage of Philosophy. Through a fertile and liberal education, all philosophy students are challenged to develop an appreciation of the multi-disciplinary richness of culture and its intellectual history, and to gain the attributes and talents to become life-long learners and positive contributors to society. The utilization of current information technology in teaching and in research is an important part of our activities, and all students are provided Internet access and email free of cost.

### **B. A. DEGREE WITH A MAJOR IN PHILOSOPHY**

Each program in the Department has numerous desired outcomes. Examples of the outcomes include the following:

#### **Selected Educational Outcomes**

1. To produce an understanding of central issues, topics, and philosophers in the history of philosophy, from the ancient to the modern periods.
2. To develop students' abilities to think, write, and speak critically and logically.
3. To enable students to challenge their own ideas, and to develop self-understanding, in the context of a diversity of ideas which inform contemporary controversies and social conflict.
4. To enable students to engage in independent philosophical research, and to be responsible for communicating their understanding of the issues researched and developed, including a working familiarity with information technology and the use of the Internet and the World Wide Web.

## Requirements for the B.A. Degree in Philosophy

**Core Areas A through E** (See VSU Core Curriculum) ..... **42 hours**

**Core Area F - Courses appropriate to the major** ..... **18 hours**

PHIL 2010 and PHIL 2020 ..... 6 hours

Foreign Language Sequence ..... 9 hours

Humanities elective, if one of the above

courses was taken in Area C ..... 0-3 hours

Humanities, Arts, Natural Science, Social

Science, or Computer Science elective ..... 3 hours

**Senior College Curriculum** ..... **60 hours**

(must include at least 39 hours of course work numbered 3000 or above)

Courses Required for the Major ..... 24 hours

History of Philosophy 3060, 3070,  
3080, or 3090 ..... 6 hours

Area Studies courses (Epistemology, Metaphysics,  
Values, Logic, Social and Political Philosophy,  
Philosophy of Religion, Philosophy of Science,  
Philosophy of Mind) ..... 9 hours

Specialized Philosophy courses (Special Topics,  
Directed Studies) ..... 6 hours

Senior Metaphilosophy course 4920 ..... 3 hours

Minor and/or Elective Courses ..... 36 hours

**Total hours** ..... **120 hours**

The Department assesses the extent to which the program requirements create the desired outcomes by using a variety of techniques. Examples of these assessments (and related educational outcomes) include the following:

### Examples of Outcome Assessments

1. Student majors will develop and evaluate student presentations for peers and faculty in the capstone Metaphilosophy course.
2. Student majors will submit during the semester prior to graduation a portfolio of work developed during their time in the program.
3. Students will undergo an exit interview and evaluation upon graduation.

**Minor in Philosophy ..... 15 hours**

- Fundamentals of Philosophy, or Principles of Logic and Argumentation (if not taken to satisfy course work in Area C or F) ..... 0-3 hours
- Choice of 3000/4000-level Philosophy courses ..... 12-15 hours

**Minor Religious Studies ..... 15 hours**

At least four of these courses, 12 semester hours, must be taken in courses with an REL or REL/PHIL designation. Select from:

- |               |               |               |
|---------------|---------------|---------------|
| REL 2020      | REL/PHIL 3300 | REL/PHIL 3310 |
| REL 3330      | REL 3340      | REL 3370      |
| REL/PHIL 3400 | REL/PHIL 3410 | REL 3390      |
| REL 3500      | REL 3600      | REL 4700      |
| REL 4710      | SOCI 3150     | ANTH 3070     |
| ENGL 3310     | HIST 3203     |               |

**Minor Professional and Applied Ethics ..... 15 hours**

- Introduction to Philosophy (if not taken to satisfy course work in Area C or F) ..... 0-3 hrs
- Choice of the following 3000/4000-level courses ..... 12-15 hrs

- |           |           |           |
|-----------|-----------|-----------|
| PHIL 3120 | PHIL 4120 | PHIL 3100 |
| PHIL 3170 | PHIL 3180 | PHIL 3210 |
| PHIL 4220 | PHIL 3130 | PHIL 3150 |
| PHIL 3140 | PHIL 3160 | PHIL 3190 |
| JOUR 3540 | CRJU 3700 |           |



**DEPARTMENT OF PHYSICS, ASTRONOMY,  
AND GEOSCIENCES**

Dr. Dennis W. Marks, Head  
Room 3006, Nevins Hall

The Department of Physics, Astronomy, and Geosciences is a multidisciplinary department with programs that lead to a B. S. degree with a major in Physics, a B. S. degree with a major in Astronomy, and a B. S. degree with a major in Environmental Geography. The Engineering Dual Degree Program with the Georgia Institute of Technology enables a student to earn a B. S. degree from Valdosta State University and a Bachelor of Science degree in engineering from Georgia Institute of Technology. The Regents' Engineering Transfer Program, the Mercer University Transfer Program, and the Transfer Program in Engineering enable a student to take core curriculum, mathematics, science, and engineering courses at Valdosta State University and then transfer to an engineering school to complete the requirements for a degree in engineering. The Department also offers minors in Astronomy, Environmental Geography, Geology, and Physics.

This multidisciplinary department spans five related areas: Physics, Astronomy, Geology, Geography, and Engineering. Physics is the foundation science which deals with space, time, matter, energy, gravitation, electromagnetism, light, atoms, nuclei, and the fundamental forces of the universe. Astronomy is the science that deals with the origin, evolution, position, motion, and nature of all the bodies in the observable universe, including the Sun, planets, moons, stars, nebulae, and galaxies. Geology is the science which deals with the Earth, our planet upon which we are totally dependent, its materials, environments, processes on its surface and in its interior, its origin, and its physical, chemical, and biological evolution. Environmental Geography is an integrative discipline that examines the action, location and distribution of natural phenomena and the influence of those natural phenomena on people and on the environment in which they live. Engineering is the application of mathematical and scientific principles, technological tools, and practical experience to the solution of real-world problems.

The program leading to the B. S. degree with a major in Physics is designed to provide students with knowledge in the fundamental branches of physics (mechanics, electromagnetism, and quantum mechanics), as well as several elective areas within the field of physics, such as thermodynamics, electronics, optics, and computational physics, and to prepare students to enter graduate programs in physics or related disciplines, or to embark upon careers in research laboratories, government, industry, or education.

The program leading to the B. S. with a major in Astronomy is designed to provide students with knowledge of the fundamental branches of astronomy, including

solar system astronomy, astrophysics and observational astronomy, as well as supporting branches of physics, and with the skills to use the tools of astronomy, including telescopes and auxiliary equipment, appropriate to various astronomical observations, and to prepare students to enter graduate programs in astronomy, physics, or related disciplines, or to embark upon careers in research laboratories and observatories, government, industry or education.

The program leading to the B. S. degree with a major in Environmental Geography is designed to provide students with the knowledge and the skills required to analyze environmental questions and to recommend solutions, using research tools in both geography and planning, as well as analytical and technical skills such as Geographic Information Systems, spatial and temporal analysis, computer mapping, and statistical analysis, to analyze environmental, hydrologic, and planning problems of the south Georgia region, and to prepare to enter graduate programs in geography, planning, and related fields, or to embark upon careers in industry, government, or education.

The Pre-Engineering program is designed to prepare students to transfer as third-year students into an engineering curriculum at a degree-granting institution. A major part of this program is the Regents' Engineering Transfer Program (RETP) administered by the Georgia Institute of Technology. The program covers course work through the first two years in four major tracks: Civil Engineering, Computer Engineering and Electrical Engineering, Industrial Engineering, and Aerospace Engineering and Mechanical Engineering. Other alternatives for transfer in engineering include the Mercer University Transfer Program in Biomedical Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering, and the regular transfer option to University of Georgia in Agricultural Engineering and Biological Engineering. ( See page 90 for specific program requirements.)

The minor in Astronomy is designed to provide students with an understanding of fundamental astronomical principles and an appreciation of the disciplines of astronomy and astrophysics. The minor in Environmental Geography is designed to provide students with an understanding of the physical and cultural diversity of the Earth, with map techniques and spatial problem solving skills, and with an appreciation of the relationship between people and their environment. The minor in Geology is designed to give students a greater understanding of the characteristics and processes of planet Earth and, depending upon the student's major, could better prepare the student for working in areas involving energy, material resources, or environmental problems. The minor in Physics is designed to provide undergraduate students with an understanding of fundamental physical principles and an appreciation of the discipline of physics.

Students majoring in various disciplines may be able to gain work experience related to their major through the VSU Co-op Program. Such experience can prove valuable in terms of career exploration, acquisition of new skills, and career development. Students seeking more information should contact their academic advisors or the Office of Cooperative Education.

## **BACHELOR OF SCIENCE DEGREE WITH A MAJOR IN ASTRONOMY**

The program leading to the Bachelor of Science degree with a major in Astronomy

is designed to prepare students to enter graduate programs in astronomy, physics, or related disciplines, or to embark upon careers in research laboratories and observatories, government, industry or education. Specific educational outcomes include the following:

### Selected Educational Outcomes

1. students will demonstrate knowledge in the fundamental branches of astronomy, including solar system astronomy, astrophysics and observational astronomy;
2. students will demonstrate knowledge in the fundamental supporting branches of physics, including mechanics, electromagnetism, and quantum mechanics;
3. students will participate in and conduct research;
4. students will apply the techniques of mathematical analysis to physical problems, thereby enhancing their problem-solving skills.

### Requirements for the Bachelor Of Science Degree With A Major In Astronomy

#### **Core Curriculum Areas A-E (See VSU Core Curriculum) ..... 42 hours**

Astronomy majors are required to take Pre-calculus (MATH 1113) in Area A and Calculus I (MATH 2261) in Area D.

Astronomy majors are advised to take 3 hours of a Foreign Language in Area C. They are advised to take PHYS 2211K and PHYS 2212K in Area DII.

#### **Core Curriculum Area F ..... 18 hours**

MATH 2261 (1 hour left over from Area D) ..... 1 hour  
 MATH 2262 and MATH 2263 ..... 8 hours  
 ASTR 2010 ..... 1 hour  
 PHYS 2211K, if not taken in Area D ..... 0-4 hours  
 PHYS 2212K, if not taken in Area D ..... 0-4 hours  
 Lab Sciences, if PHYS 2211K and/or PHYS 2212K  
 are taken in Area D ..... 0-8 hours

#### **Senior-College Curriculum ..... 60 hours**

##### **Upper-Level Courses in Astronomy ..... 23 hours**

ASTR 3101, ASTR 3102 ..... 8 hours  
 ASTR 4100, ASTR 4400, ASTR 4410 ..... 9 hours  
 Astronomy elective (3000/4000 level) ..... 3 hours  
 PHYS 4501-4502 ..... 3 hours

##### **Upper-Level Supporting Courses in Physics ..... 24 hours**

PHYS 3810, PHYS 3820 ..... 6 hours  
 PHYS 4111-4112, PHYS 4211-4212 ..... 12 hours  
 PHYS 4411-4412 ..... 6 hours

##### **Other Supporting Courses ..... 13 hours**

CS 1301 ..... 4 hours

Language Requirement

(3 hours may be taken in Area C) ..... 6-9 hours

Guided Elective ..... 0-3 hours

**Total hours ..... 120 hours**

Assessment of the education outcomes for the Astronomy major is primarily the responsibility of the departmental Astronomy Area Committee, comprised of faculty with expertise in astronomy and cognate disciplines. This assessment is conducted through evaluation of the major education outcomes in relation to astronomy programs at comparable institutions (particularly the member institutions of SARA). The Committee assesses the extent to which the program requirements create the desired outcomes by using a variety of techniques. Examples of these assessments include the following:

### **Examples of Outcome Assessments**

1. All student majors must make oral presentations of their research results to the departmental faculty and submit written copies of their research papers to the departmental office as part of the required Capstone Seminars (PHYS 4501-4502).
2. Students must submit a departmental copy of their portfolios of undergraduate coursework, research projects, and professional activity at the end of their last semester of residence.
3. At the time of major coursework completion, students must complete an exit questionnaire to determine the student's perception of achievement of the major's education outcomes.
4. Periodic surveys of alumni who have completed the Astronomy program will be conducted. These surveys will evaluate the relevancy of the major program to graduates' present employment, their perception of success, and their personal satisfaction with the program. The surveys will also solicit suggestions for improvement of the Astronomy major program.

## **BACHELOR OF SCIENCE DEGREE WITH A MAJOR IN ENVIRONMENTAL GEOGRAPHY**

The program leading to the B. S. degree with a major in Environmental Geography is designed to prepare to enter graduate programs in geography, planning, and related fields, or to embark upon careers in commerce, industry, government, or education. The specific educational objectives include the following:

### **Selected Educational Outcomes**

1. To provide the knowledge required to analyze regional environmental questions and recommend solutions;
2. To provide a working knowledge of the basic research tools in physical and cultural geography and in regional planning;
3. To provide the analytical and technical skills necessary for geographical re-



search including spatial and temporal analysis, mapping, and the interpretation of data;

4. To provide computer analytic skills for mapping and data analysis.

**Core Curriculum Areas A-E (See VSU Core Curriculum) ..... 42 hours**

Environmental Geography majors are required to take

MATH 1113 in Area A and MATH 2261 in Area D II.

Environmental Geography majors are advised to take 3 hours of a Foreign Language in Area C. They are advised to take BIOL 2010 and CHEM 1211 in Area D II. They are advised to take GEOG 1101 in Area E.

**Core Curriculum Area F ..... 18 hours**

MATH 2261 (1 hour left over from Area D) ..... 1 hour

MATH 2620 ..... 3 hours

CS 1000 ..... 3 hours

BIOL 2010, if not taken in Area D II ..... 0-4 hours

CHEM 1211, if not taken in Area D II ..... 0-4 hours

GEOG 1121, GEOG 1112, GEOG 1113 ..... 12 hours

GEOG 1101, if not taken in Area E ..... 0-3 hours

GEOG 2010 ..... 1 hour

**Senior-College Curriculum: ..... 60 hours**

Remainder of courses in Area F if not

taken elsewhere in Core ..... 2-13 hours

**Upper-Level Courses in Geography ..... 28 hours**

GEOG 3010 ..... 3 hours

GEOG 3410, GEOG 4850 ..... 6 hours

GEOG 4700 ..... 4 hours

GEOG 3051 or GEOG 3100 ..... 3 hours

GEOG Elective above 3000 ..... 12 hours

**Upper-Level Courses in Geology ..... 9 hours**

GEOL Electives above 3000 ..... 6 hours

(excluding GEOL 3020, Earth Science)

**Other Supporting Courses ..... 10-21 hours**

Foreign Language ..... 6-9 hours

(3 hours may be taken in Area C)

Guided Electives ..... 1-15 hours

Students wishing to concentrate in Biology are advised to take

BIOL 2230, BIOL 2270, BIOL 3300, or any Taxonomy course.

Students wishing to concentrate in Chemistry are advised to

take CHEM 1212K, CHEM 3401, and CHEM 2310.

**Total hour ..... 120 hours**

Assessment of the education outcomes for the Environmental Geography major is primarily the responsibility of the departmental Geography Area Committee, comprised of faculty with expertise in geography and cognate disciplines. The Committee assesses the extent to which the program requirements create the desired outcomes by

using a variety of techniques. Examples of these assessments include the following:

### **Examples of Outcome Assessments**

1. All student majors must make oral presentations of their research results to the departmental faculty and submit written copies of their research papers to the departmental office as part of the required Capstone Seminar (GEOL 4850).
2. Students must submit a departmental copy of their portfolios of undergraduate coursework, research projects, and professional activity at the end of their last semester of residence.
3. At the time of major coursework completion, students must complete an exit questionnaire to determine the student's perception of achievement of the major's education outcomes.
4. Periodic surveys of alumni who have completed the Environmental Geography program will be conducted. These surveys will evaluate the relevancy of the major program to graduates' present employment, their perception of success, and their personal satisfaction with the program. The surveys will also solicit suggestions for improvement of the Environmental Geography major program.

### **BACHELOR OF SCIENCE DEGREE WITH A MAJOR IN PHYSICS**

The program leading to the Bachelor of Science degree with a major in Physics is designed to prepare students to enter graduate programs in physics or in astronomy, or to embark upon careers in government, industry, or education. Examples of these outcomes include the following:

#### **Selected Educational Outcomes**

1. students will demonstrate knowledge in the fundamental branches of physics: mechanics, electromagnetism, and quantum mechanics;
2. students will demonstrate knowledge in several elective areas within the field of physics, including (but not limited to) thermodynamics, electronics, optics, and computational physics;
3. students will apply the techniques of mathematical analysis (algebra, geometry, trigonometry, and calculus) to physical problems;
4. students will effectively use computers and calculators for scientific calculation, programming, and word processing.

#### **Requirements for the Bachelor Of Science Degree with a Major In Physics**

**Core Curriculum Areas A-E** (See VSU Core Curriculum) ..... **42 hours**

Physics majors are required to take MATH 1113 in Area A and MATH 2261 in Area DII.

Physics majors are advised to take 3 hours of a Foreign Language in Area C.

They are advised to take PHYS 2211K, PHYS 2212K in Area DII.

<b>Core Curriculum Area F .....</b>	<b>18 hours</b>
MATH 2261 (1 hour left over from Area D) .....	1 hour
MATH 2262 and MATH 2263 .....	8 hours
PHYS 2010 .....	1 hour
PHYS 2211K, PHYS 2212K if not taken in Area DII ....	0-8 hours
Lab Sciences, if PHYS 2211K and/or 2212K are taken in Area DII .....	0 - 8 hours
<b>Senior-College Curriculum.....</b>	<b>60 hours</b>
<b>Upper-Level Courses in Physics .....</b>	<b>41 hours</b>
PHYS 3810, PHYS 3820 .....	6 hours
PHYS 4111-4112 and PHYS 4211-4212 .....	12 hours
PHYS 4411-4412 .....	6 hours
PHYS 4310, PHYS 3040 .....	7 hours
PHYS 3100, PHYS 4040 .....	7 hours
PHYS 4501-4502 .....	3 hours
<b>Other Supporting Courses .....</b>	<b>19 hours</b>
CS 1301 .....	4 hours
MATH 2150, MATH 3340 .....	6 hours
Language Requirement .....	6-9 hours
Guided Elective .....	0-3 hours
<b>Total hours .....</b>	<b>120 hours</b>

Assessment of the education outcomes for the Physics major is primarily the responsibility of the departmental Physics Area Committee, comprised of faculty with expertise in physics and cognate disciplines. The Committee assesses the extent to which the program requirements create the desired outcomes by using a variety of techniques. Examples of these assessments include the following:

### Outcome Assessments

1. All student majors must make oral presentations of their research results to the departmental faculty and submit written copies of their research papers to the departmental office as part of the required Capstone Seminars (PHYS 4501-4502).
2. Students must submit a departmental copy of their portfolios of undergraduate coursework, research projects, and professional activity at the end of their last semester of residence.
3. At the time of major coursework completion, students must complete an exit questionnaire to determine the student's perception of achievement of the major's education outcomes.
4. Periodic surveys of alumni who have completed the Physics program will be

conducted to evaluate the relevancy of the major program to graduates' present employment, their perception of success, and their personal satisfaction with the program. The surveys will also solicit suggestions for improvement of the Physics major program.

**Minor in Astronomy ..... 15-18 hours**

**Area F Courses ..... 1-4 hours**

PHYS 2211K, if not taken in Area D ..... 0-4 hours

ASTR 2010, ..... 0-1 hour

if PHYS 2211K is taken in Area D

**Upper-Division Courses ..... 14 hours**

ASTR 3101, 3102 ..... 8 hours

Two courses selected from the following: ..... 6 hour

ASTR 4100, ASTR 4400,ASTR 4410

**Minor in Environmental Geography ..... 15-17 hours**

**Area F Courses ..... 0-8 hours**

GEOG 1112, if not taken in Area D ..... 0-4 hours

GEOG 1113, if not taken in Area D ..... 0-4 hours

**Upper-Division Courses ..... 9-15 hours**

GEOG 3010, GEOG 3051, GEOG 3100,

GEOG 3150, GEOG 3210,GEOG 3300,

GEOG 3310, GEOG 3320, GEOG 3410,GEOG 4700

**Minor in Geology ..... 15-17 hours**

**Area F Courses ..... 0-8 hours**

GEOL 1121, if not taken in Area D ..... 0-4 hours

GEOL 1122, if not taken in Area D ..... 0-4 hours

**Upper-Division Courses ..... 9-15 hours**

GEOL 3000 or above, but not GEOL 3020

**Minor in Physics ..... 15-18 hours**

**Area F Courses ..... 1-9 hours**

PHYS 2011 ..... 1 hour

PHYS 2211K-2212K, if not taken in Area D 0-8 hours

**Upper-Division Courses/ Electives ..... 9-14 hours**

Electives selected from the following:

PHYS 4111, PHYS 4112, PHYS 4211, PHYS 4212,

PHYS 4411, PHYS 4412, PHYS 4310, PHYS 3100,

PHYS 3040, PHYS 4040



## DEPARTMENT OF POLITICAL SCIENCE

Dr. James W. Peterson  
Room 244, West Hall

### **The Major in Political Science**

The major in Political Science leads to the Bachelor of Arts degree. Political scientists study the origins, growth, evolution, and decline of governments; how they solve societal conflicts; and how governments ought to function. The specific subfields of the discipline include the study of American government and politics, comparative government and politics, international relations, political theory, public law, and public administration. Students majoring in the program have traditionally pursued careers in law, business, teaching, journalism, and government. The study of Political Science is of value in that all persons need an understanding of the political system which governs their lives. More than minimal knowledge of political systems, however, is required of those who would be employed by them. The law and public administration, for example, are creatures of government and politics. The thirty hour course requirement in the major program permits students the flexibility to obtain a second major or a minor in other areas of personal and professional interest.

Students majoring in Political Science and Legal Assistant Studies (see below) are able to gain work experience related to their major through the VSU Co-op Program. Such experience may prove valuable in terms of career exploration, acquisition of new skills, and career development. Students seeking more information should contact their academic advisors or the Office of Cooperative Education, 333-7172.

### **The Major in Legal Assistant Studies**

The major in Legal Assistant Studies has the central objective of training persons who are anticipating a career in support of the legal profession. The formal coursework will lead to an understanding of the fundamental constitutional context of the American legal system. The student will also have the flexibility of choosing from several specific substantive legal subject matters. The completion of the other requirements of the B.A. degree will ensure the broad education expected of the liberal arts. The requirement of a formal minor will ensure additional exposure to a related field. The capstone experience for the major is an internship which will allow the student to explore the practical aspects of a career in the legal profession. Successful completion of the degree will ensure that the student is qualified to take the national certification test for legal assistants.

## **A Second Degree for Students Receiving a Bachelor of Science in Education Degree with a major in Secondary Education**

Students receiving a Bachelor of Science in Education in the teaching field of Political Science also may receive a Bachelor of Arts Degree in Political Science by completing a limited number of additional courses. Students interested in being graduated with both a Bachelor of Science in Education in Secondary Education and a Bachelor of Arts Degree in Political Science should consult the department head concerning the additional courses needed to meet the requirements for the Bachelor of Arts Degree and the procedures to follow in applying for a second degree.

## **BACHELOR OF ARTS DEGREE WITH A MAJOR IN POLITICAL SCIENCE**

Each program in the Department has numerous desired outcomes. Examples of these outcomes for the Bachelor of Arts degree with a major in Political Science include the following:

### **Selected Educational Outcomes**

1. Political science majors will possess the requisite knowledge of the American political system, including an understanding of the structure and process of the federal, state, and local governments, enabling them to become informed and responsible citizens.
2. Political science majors will demonstrate knowledge of computer concepts and terminology, enabling them to use at least two software tools, such as word processors, spreadsheets, database management systems, or statistical packages.
3. Political science majors will be skilled in inquiry, logical reasoning, and critical analysis, enabling arguments, synthesize facts and information, and offer logical arguments leading to creative solutions to problems.
4. Political science majors will recognize and understand issues in applied ethics. They will understand their own value systems in relation to other value systems.

## **Requirements for the Bachelor of Arts Degree with a Major in Political Science**

**Core Curriculum Areas A-E (See VSU Core Curriculum) .....42 hours**

**Core Curriculum Area F (Courses appropriate to the major) ..... 18 hours**

PHIL 2020 ..... 3 hours

POLS 2101, POLS 2401 ..... 6 hours

Foreign Language and Culture ..... 9 hours  
 If a student has taken any of the above courses to meet requirements in other areas of the Core Curriculum, credit hours must be taken from the following list of courses:  
 PHIL 2010, All other Area E Courses ..... 0-9 hours

**Senior College Curriculum ..... 60 hours**

Courses required for the Major ..... 39 hours  
 POLS 3100 ..... 3 hours  
 Either POLS 4100 or POLS 4900 ..... 3 hours  
 Political Science courses numbered  
     3000 or above ..... 24 hours  
     At least three of eight upper division courses for the major must be 4000-level courses.  
 MATH 2620 (Statistics), or CS 1000 ..... 3 hours  
 ENGL 3030 ..... 3 hours  
 ARAP 1100, COMM 1050,  
     MUSC 2400, or PHIL 2010 ..... 3 hours  
 Minor and/or Elective Courses ..... 21 hours  
     Must include at least 6 hours of courses numbered 3000 or above in a single discipline outside of Political Science

**Total hours ..... 120 hours**

The Department assesses the extent to which the program requirements create the desired outcomes by using a variety of techniques. Examples of these assessments (and related educational outcomes) include the following:

**Outcome Assessments**

1. Mastery of the material in all required and elective courses in the political science major. As each level serves as a foundation for higher levels, mastery of the core material is requisite to mastery of the major. Outcome #1 is met by successful completion of these courses.
2. Completion of the capstone experience certifies that a major has met outcome #2, #3, and #4.
3. An Undergraduate Political Science Major Exit Questionnaire administered to majors by their advisors at the time the majors “check out” for graduation.
4. Information from published surveys of students’ opinions and alumni perceptions of VSU programs and services conducted by the Office of Institutional Research and Planning, as well as information from alumni surveys conducted by the Department of Political Science.

## **BACHELOR OF ARTS DEGREE WITH A MAJOR IN LEGAL ASSISTANT STUDIES**

Examples of the outcomes for the B.A. Degree with a major in Legal Assistant Studies include the following:

### **Selected Educational Outcomes**

1. To prepare students to conduct legal research and apply it in a form and manner that will enable them to support the legal system.
2. To comprehend and make informed decisions regarding the ethical dilemmas of their profession, in order to understand the cultural values they must serve in the performance of their responsibilities.
3. To understand the American legal system in the manner necessary to enable them to function within that system and support its mission of service to society.

### **Requirements for the Bachelor of Arts Degree with a Major in Legal Assistant Studies**

**Core Curriculum Areas A-E** (See VSU Core Curriculum) ..... **42 hours**

**Core Curriculum Area F (Courses appropriate to the major)** ..... **18 hours**

LEAS 1100, CRJU 2300, PHIL 2020 ..... 9 hours

Foreign Language and Culture ..... 9 hours

COMM 1100 ..... 0-3 hours

If a language course or PHIL 2020 is taken to meet an Area C requirement, then COMM 1100 must be taken to meet the Area F requirement of 18 hours.

**Senior College Curriculum** ..... **60 hours**

LEAS 3200, LEAS 3201, LEAS 4900 ..... 9 hours

LEAS courses numbered 3000 or above ..... 15 hours

CS 1000, ENGL 3030 ..... 6 hours

Minor ..... 15 hours

A minor is required in a related field, with a minimum of 9 hours of courses numbered 3000 or above.

Elective courses ..... 15 hours

Including a minimum of 3 hours credit from courses numbered 3000 or above.

**Total hours** ..... **120 hours**

### **Examples of Outcome Assessments**

The American Bar Association guidelines establish that evaluation of the program should include efforts to measure the extent to which students are able to secure suitable positions of employment; a determination of how ef



fectively students perform those duties related to their program of instruction; and the responses of students completing the program concerning the effectiveness of their training and its relevance to the duties actually performed.

**The Minor in Political Science ..... 18 hours**

- Core Curriculum Area F.....0-6 hours
- POLS 2101, POLS 2401 ..... 6 hours
- Senior College Curriculum.....12-18 hours
- 3000-level and 4000-level courses in political science. At least six hours must be in 4000-level courses ..... 12 hours

**Minor in Public Administration ..... 15 hours**

- POLS 3600 ..... 3 hours
- Twelve hours from the following ..... 12 hours
- POLS 3610      POLS 4220      POLS 4600
- POLS 4610      POLS 4620      POLS 4630
- POLS 4640      POLS 4650      POLS 4660
- POLS 4670      POLS 4806

**Minor in Legal Assistant Studies ..... 18 hours**

- LEAS 1100, LEAS 3200..... 6 hours
- Courses numbered 3000 or above ..... 12 hours
- LEAS 3201      LEAS 3210      LEAS 3220
- LEAS 3230      LEAS 3240      LEAS 4200
- LEAS 4210      LEAS 4220      LEAS 4230



**DEPARTMENT OF SOCIOLOGY, ANTHROPOLOGY,  
AND CRIMINAL JUSTICE**

Dr. Michael Brooks, Head  
Room 1120, University Center

The Department of Sociology, Anthropology, and Criminal Justice offers programs that lead to either a B.A. degree with a major in Sociology and Anthropology, a B.A. degree in Criminal Justice, a M.S. Degree with a major in Sociology, a M.S. Degree in Criminal Justice, and a M.S. Degree in Marriage and Family Therapy. Minors are offered in Sociology, Anthropology, Human Resources, and Human Services.

The mission of the Department of Sociology, Anthropology, and Criminal Justice includes 1) helping students gain an understanding of the structures and processes through which individuals participate in society, 2) supporting students in developing an understanding of human behavior, 3) preparing students for a wide range of careers in sociology, anthropology, human resources, human services, and criminal justice systems, and, 4) working with students who wish to pursue graduate work in the social sciences. The department seeks to fulfill its mission by offering courses both for students majoring or minoring in its programs as well as by supporting the core curriculum of the university and students from other programs who need courses from the department. In addition, the department seeks to emphasize the importance of critical thinking skills, an appreciation of diverse cultural perspectives and lifestyles, and the application of knowledge to the development of policy and the solution of social problems.

**B. A. DEGREE WITH A MAJOR IN SOCIOLOGY AND ANTHROPOLOGY**

**Selected Educational Outcomes**

Each program in the department has numerous desired outcomes. Examples of these include the following:

1. To familiarize students with the basic sub-disciplines and major concepts of the disciplines they study in the department.
2. To develop in students the ability to apply and utilize the basic quantitative and/or qualitative research and analytical techniques they will need in their professional careers.
3. To teach students the literature and database review skills needed to assess and synthesize the state of knowledge available to apply to the study of selected issues.
4. To support students in the development of the skills required to communicate effectively with people and organizations representing diverse social and cultural backgrounds. These skills will include writing, speaking, and computing.

**Requirements for the B. A. Degree With A Major In Sociology And Anthropology**

**Core Curriculum Areas A-E (See VSU Core Curriculum) ..... 42 hours**

**Core Curriculum Area F ..... 18 hours**

ANTH 1102 ..... 3 hours

SOCI 1101, SOCI 1160 ..... 6 hours

Foreign Language and Culture ..... 9 hours

If a student has taken any of the above courses to meet requirements in other areas of the Core Curriculum, credit hours must be taken from the following list of courses: CS 1300, ECON 1500, GEOG 1101 or GEOG 1102, MATH 2301, PHIL 2010, PSYC 2500

**Senior College Curriculum ..... 60 hours**

Courses Required for the Major ..... 37 hours

SOCI 3000 ..... 4 hours

SOCI 4990 ..... 3 hours

Foundation Areas (take one from each area) .. 15 hours

A. Theory

ANTH 3500      SOCI 3500

B. Research Methods

ANTH 3510      SOCI 3510

C. Self, Society, and Culture

ANTH 3020      ANTH 3040      SOCI 3090

SOCI 3350      SOCI 3710

D. Social Inequalities

ANTH 4040      SOCI 3060      SOCI 3800

SOCI 4550      SOCI 4680

E. Social Institutions

ANTH 3070      ANTH 3910      SOCI 3150

SOCI 3650      SOCI 3750/5750

SOCI 4100      SOCI 4200

Concentrations (choose one) ..... 15 hours

A. Anthropology (depends on Foundation courses taken)

Students must take:

ANTH 3020, ANTH 3040 ..... 6 hours

Students must take one:

ANTH 3030 or ANTH 3120 ..... 3 hours

Students must take a minimum of 6 hours and a maximum of 12 hours from the following electives:

ANTH 3010, ANTH 3030, ANTH 3070,

ANTH 3120, ANTH 3130, ANTH 3160,

ANTH 3910, ANTH 4040, ANTH 4900

B Applied and Clinical Sociology

Students must take:

SOCI 3190, SOCI 3200 .....	6 hours
SOCI 4800(must be taken twice) .....	6 hours
Upper division SOCI elective .....	3 hours

The Sociology and Anthropology major’s educational outcomes will be assessed using multiple strategies. Examples of these include the following:

**Outcome Assessments**

1. A core concepts examination will be given in SOCI 3000 (Sociological Analysis and Statistical Application) and in SOCI 4990 (Senior Capstone), providing a before/after evaluation.
2. Sociology and Anthropology faculty will meet periodically to plan and assess achievement of student and program outcomes.
3. The Senior Capstone experience will provide a basis for assessing written and oral presentation skills.
4. A senior survey or exit interview will be conducted for all graduates.
5. When available, university-wide data pertaining to the major or its graduate will be used for program assessing and improvement.

**Additional Department Requirement**

The grade in each SOCI or ANTH course taken for the Major must be a C or better.

**B. A. DEGREE WITH A MAJOR IN CRIMINAL JUSTICE**

The major program in Criminal Justice seeks to prepare students for entry level positions in the criminal justice system at all levels of the system, as well as for related positions in the private sector. Educational outcomes will include the following:

1. To develop in students an understanding and appreciation of the structure and function of the criminal justice system as it applies to adults and juveniles, federal, state, and local criminal laws and procedures, and the relationship of these to the Constitution of the United States.
2. To understand the criminal justice systems of other countries in the world.
3. To apply scientific research techniques and related statistical techniques in the study of crime.
4. To develop an understanding of various theories in criminology, their strengths and weaknesses, and their role in gaining an understanding of crime.
5. To build a base of knowledge regarding the nature of correctional rehabilitation methods and the ways these are applied.

**Requirements for the B. A. Degree With a Major In Criminal Justice**

**Core Curriculum Areas A-E** (See VSU Core Curriculum)

**Criminal Justice majors are advised to take the first 3 hours of the 9-hour Foreign Language requirement in Area C.**

**Core Curriculum Area F** ..... **18 hours**  
 CRJU 1000, CRJU 2100, CRJU 2200, CRJU 2300 ..... 12 hours

Foreign Language and Culture (additional hours) ..... 6 hours  
 If a student has taken any of the above courses to meet requirements in other areas of the core curriculum, credit must be taken from the following courses: SOCI 1101, SOCI 1160, ANTH 1102, CS 1300, or any Area E course.

**Senior-College Curriculum ..... 60 hours**

**Upper-level courses in Criminal Justice ..... 21 hours**

CRJU 3300, CRJU 3310, CRJU 3401,  
 CRJU 3402, CRJU 3600, CRJU 3700,  
 CRJU 4800

**Upper-level Criminal Justice Electives ..... 18 hours**

CRJU 4010, CRJU 4110, CRJU 4200,  
 CRJU 4400, CRJU 4500, CRJU 4510,  
 CRJU 4720,  
 CRJU 4700 and CRJU 4900 may be taken for a maximum of 6 hours

**Open Electives ..... 21 hours**

(CRJU 4910 Criminal Justice Internship may be taken as an open elective for 6 or 9 hours of credit) Electives must include 6 hours of credit in the same discipline in upper-level courses outside of Criminal Justice

**Outcome Assessment**

The assessment of educational outcomes is a continuing process throughout the entire undergraduate program. Means of assessment will include the following:

1. The on-going evaluation of student examinations, research projects, the Senior Seminar project, and reports of other scholarly and internship work.
2. Exit questionnaires to be administered to each student completing work for the major.
3. Surveys of graduates of the program to assess the relevancy of the program to their current work and their suggestions for refinements.
4. The use of university or external data that may become available to assess the quality of the program and the performance of its graduates.

**Additional Departmental Requirements:**

The grade earned in each CRJU course taken for the Major must be a C or better.

**Minor in Anthropology ..... 15-18 hours**

Students must take: .....

ANTH 1102 or ANTH 1102H, ANTH 3020,  
 ANTH 3040, ANTH 3030 or ANTH 3120 .....

Students must take two of the following electives: ..... 6 hours

ANTH 3010, ANTH 3030, ANTH 3070,

ANTH 3120, ANTH 3130, ANTH 3160

ANTH 3910, ANTH 4040, ANTH 4900

Note: The grade earned in each course in the Minor must be a C or better.

**Minor in Human Resources ..... 15-18 hours**

Students must take one course from the following, if not taken in Area E or F

SOCI 1101, SOCI 1101H, or SOCI 1160 ..... 3 hours

Students must take: .....

12 hours

SOCI 3100, SOCI 3190, SOCI 4030,

SOCI 4200/6200 .....

Students must take one course from the following: ..... 3 hours

SOCI 3200, SOCI 3300, SOCI 3690,

SOCI 3700, SOCI 3750/5750. SOCI 4000/6000

Note: The grade earned in each course for the Minor must be a C or better.

**Minor in Human Services ----- 15-18 hours**

Students must take one course from the following, if not taken in Area E or F

SOCI 1101, SOCI 1101H, or SOCI 1160 ..... 3 hours

Students must take: .....

SOCI 3050, SOCI 3190, and SOCI 3200 .....

Students must take two of the following: ..... 6 hours

SOCI 3210, SOCI 3690, SOCI 3700,

SOCI 3750/5750, SOCI 4000/6000, SOCI 4030

SOCI 4130/6130, SOCI 4270, SOCI 4900

Note: The grade earned in each course in the Minor must be a C or better.

**Minor in Sociology ..... 15-18 hours**

Students must take one course from the following, if not taken in Area E or F

SOCI 1101, SOCI 1101H, or SOCI 1160 ..... 3 hours

Students must take one course from each of the following areas:9 hours

Self, Society, and Culture .....

SOCI 3090, SOCI 3350, SOCI 3710, SOCI 4000/6000

Social Inequalities .....

SOCI 3060, SOCI 3800, SOCI 4550, SOCI 4680

Social Institutions .....

SOCI 3100, SOCI 3150, SOCI 3650, SOCI 3750/5750

SOCI 4100

Students must take any two free Sociology electives. .... 6 hours

Note: The grade earned in each course in the Minor must be a C or better.



**WOMEN'S STUDIES MINOR**  
Dr. Ana Victoria Soady, Director

Women's Studies is an academic discipline that focuses on the contributions and accomplishments of women. The goals of the minor are to foster research, to raise interest and awareness, to create a supportive environment for women experiencing altered roles, and to provide for intellectual exchange on philosophical and pragmatic issues of gender. While Women's Studies began as an examination of cultural assumptions from a nontraditional perspective, it has become an intellectual examination of the effect of gender expectations in a broad array of fields. It includes, for instance, a systematic analysis of the causes and effects of women's roles in political and social spheres, the interrelationship between gender and artistic and linguistic expression, and the development of an identifiable critical theory and a considerable body of bibliographic resources. Numerous courses from various departments at Valdosta State examine these topics and apply these principles of analysis.

**Selected Educational Outcomes**

Through the examination of writings and research by women of diverse interests, to comprehend our world through women's voices in order to:

1. Gain familiarity with the development of Women's Studies as an interdisciplinary academic area and the research that is conducted in the field.
2. Enable women and men to gain consciousness about gender.
3. Acquire critical practice at feminist theory through written assignments.
4. Explore the interconnectedness of Women's Studies to other academic majors within the university and to the practical concerns of living in the world.

**The Minor in Women's Studies ..... 15 hours**

WMST 3000, WMST 4400 ..... 6 hours  
Elective courses ..... 9 hours

No more than two courses from the same department may be taken to satisfy the requirements of the minor.

WMST/HIST 3010	WMST/HIST 3020	
WMST/HIST 4261	WMST/HIST 4262	
WMST/HIST 4270	WMST/HIST 4280	
WMST/REL 3600	WMST/SPAN 4220	
WMST 4500	ARHS 4130	ENGL 4300
FREN 3610	FREN 4900	GRMN 4420

HONS 3992	HONS 4000	HONS 4990
NURS 3130	NURS 3211	NURS 4122
NURS 4132	SPAN 4900	POLS 3280
PHIL 4800	POLS 4260	POLS 4805
PSYC 3710	PSYC 4500	SOCI 3690
SOCI 4100	SOCI 4680	SOCI 4900

The capstone course is structured to evaluate and elicit students' summative understanding of the ethical, social, and intellectual implications of what has been included in or excluded from traditional scholarship. Further evaluative measures include:

### **Examples of Outcome Assessments**

1. The creation of writing portfolios that will demonstrate the evolution of thought and learning across the courses taken in the minor;
2. Student participation in local, state and national conferences;
3. Exit interviews with students;
4. Discussion and feedback from other Women's Studies Programs.

Information regarding current course offerings for the Women's Studies Minor may be obtained from the offices of the Women's Studies Program. Courses selected from among those listed above satisfy requirements for the minor. For a fuller description of these courses, see the **Courses of Instruction** section in this catalogue.





## AFRICAN AMERICAN STUDIES MINOR

Dr. Shirley H. Hardin, Director

African American Studies (AFAM), an academic discipline, offers an intellectual approach to the study of African people both nationally and globally. It seeks to provide historically accurate assessments of the roles and contributions of people of African descent to America and to human history. An interdisciplinary program, this minor offers students the opportunity to communicate more effectively across cultural lines and to explore the social, political, and economic reality of the black experience in the United States. The minor encourages creative research, the acquisition of practical experiences, and the development of intellectual expertise in African American Studies. Several departments at Valdosta State University offer courses that support these goals.

### **The Minor in African American Studies ..... 15 hours**

AFAM 3000, AFAM 4700 ..... 6 hours

Elective courses from the following ..... 9 hours

AFAM/ENGL 3220	AFAM/ENGL 3320	
AFAM/HIST 4231	AFAM/HIST 4232	
AFAM/HIST 4511	AFAM/HIST 4512	
AFAM/ANTH 3090		
ANTH 4900	ARHS 4140	COMM 3500
COMM 4600	ENGL 4300	THEA 4030
ENGL 4310	HIST 3050	HIST 3060
HIST 3070	HIST 4221	HIST 4222
HIST 4304	JOUR 3530	MUSC 3430
PHIL 4800	POLS 4260	POLS 4330
POLS 4820	REL 4700	SOCI 3060

No more than two courses from the same department may be taken to satisfy the requirements of the minor.

### **Selected Education Outcomes**

1. AFA minors will study the historical and cultural origins of African Americans.
2. AFA minors will discuss the significant historical and political movements that have influenced and characterized the mobility of African Americans.
3. AFA minors will understand the diverse contributions African Americans have made, not only to America, but to other world cultures as well.
4. AFA minors will discuss those damaging stereotypes and myths that have plagued and ultimately hindered African Americans' complete integration into American society.



## UNIVERSITY HONORS PROGRAM

Dr. Brian Adler, Director

Dr. Susan Seyfarth, Associate Director

2 Brookwood Circle, The VSU Honors House

The University Honors Program is an interdisciplinary program whose courses lead to a Certificate of completion in University Honors.

The University Honors Program offers special courses and activities designed to help qualified students realize their full intellectual potential and to provide them the best possible preparation for their major degree programs. It does so through a wide range of special classes and interdisciplinary seminars supported by departments and faculty across campus.

The University Honors Program recognizes its students in a variety of ways. Students who complete at least two courses in the Program while maintaining minimum Honors and cumulative grade point averages of 3.0 receive recognition at VSU's annual Honors Day. A student who completes all certificate requirements also receives recognition at Honors Day, as well as at graduation ceremonies. In addition the student receives a Certificate of University Honors, a gold seal on the diploma, and special notation on official university transcripts.

### Selected Educational Outcomes

1. To strengthen the ability to analyze and synthesize a broad range of material.
2. To sharpen the ability to formulate a problem, develop a plan of action, and prove or disprove an hypothesis (or to create and produce an original work or do research).
3. To enable students to take greater responsibility for their own learning, through a demonstration of curiosity, motivation, and risk-taking characteristics.
4. To augment oral and written communication skills.

### Requirements for the Certificate in University Honors ..... 22-25 hours

HONS 1990 or HONS 2010 ..... 2 hours

This requirement must be completed in the freshman year.

Five Honors Core Courses or

Honors Option credit (Honors 3330) .....15-17 hours  
(HONS 3330 may be invoked a maximum of three times.)

Honors 3990 or one upper division Honors Course ..... 3 hours

Honors 4990 or Departmental Capstone Course ..... 2-3 hours

The following courses satisfy Honors Program course requirements and, as Honors versions of Core classes, satisfy Core Curriculum requirements as well:

ANTH 1102H	ART 1100H	BIOL 1951H	BIOL 1952H
ECON 1900H	ENGL 1101H	ENGL 1102H	ENGL 2110H
ENGL 2120H	ENGL 2130H	KSPE 2900H	HIST 1011H
HIST 1012H	HIST 1013H	HIST 2111H	HIST 2112H
MATH 1113H	PHIL 2010H	PHIL 2020H	POLS 1101H
POLS 2401H	PSYC 2500H	SOCI 1101H	SPAN 2002H

For a fuller description of these courses, see the “Courses of Instruction” section in this catalogue.

In addition, the Honors Program offers seminar and independent study courses (HONS 4000 and 4990) which may satisfy elective credit or, in some cases, capstone requirements in a variety of major degree programs.

Courses not listed above may also be available for Honors credit through the Honors Option (HONS 3330). This option allows students to receive Honors credit while enrolled in regular courses by doing different types of assignments approved in advance by the instructor of the course and the Honors Program Director. Honors Options must be approved no later than by the last day of Drop/Add.

Many different types of assessments are used in the Honors Program, including evaluation forms, long-range surveys, and exit interviews.

### **Examples of Outcome Assessments**

1. **Special Admission Requirements:** Entering Freshmen who have combined math and verbal SAT scores of at least 1100 (or ACT scores of 27 in English and 23 in Math) and a high school grade point average of at least a “B” are invited to join the program. Students with lower SAT scores are invited to apply if their grade point averages are higher than 3.0. Transfer or currently enrolled students may enter the program with a cumulative college grade point average of 3.0.
2. **Special Retention Requirements:** Students in the Honors Program must maintain an overall GPA of 3.0 and in their Honors courses.
3. **Special Completion Requirements:** The Certificate in University Honors requires the completion of at least 22 semester hours of Honors course work, including HONS 1990 and HONS 3990 (or approved equivalents). Honors Options (HONS 3330) may be used in lieu of Honors Core courses, but may be invoked no more than three times and may not be used in lieu of HONS 3990. HONS 1990, 2010, and 3990 may be repeated for credit if the topics are different.