

discipline or an interdisciplinary field. Some sample concentrations follow:

Bio-Chemistry	Biology
Chemistry	Cognitive Science
Environmental Science	Pre-Dental
Mathematics	Pre-Medical
Physics	Pre-Optometry

See the Web site address above for more information.

Computing Sciences

Chair:	Robert E. Beck, Ph.D.
Office:	161 Mendel Science Center 610-519-7307
Web site:	http://csc.villanova.edu
Course Descriptions:	http://csc.villanova.edu/academics/courses

A Computer Science major explores a broad spectrum of computing technologies and concepts. The courses provide a thorough foundation in the principles and practices of computing, paving the way for a successful career and graduate studies. In particular, the program emphasizes team-based systems design and development, including “team work over time zones,” so that its graduates become key members of development groups rather than solitary programmers. The students learn skills in communication and the scientific, mathematical, and engineering principles that support the computing disciplines. The program is designed to develop the total person, one with intellectual curiosity, mature judgment, a thirst for life-long learning, and a commitment to the betterment of society.

COMPUTER SCIENCE MAJOR: CSC 1051, 1052, 1300, 1700, 1800, 2053, 2400, 2405, 3990, 4170, 4700, and 4790 plus three departmentally approved elective courses; MAT 1500, 1505; Statistics for Computing or equivalent; PHI 2180; a two semester science sequence with co-requisite laboratories selected from an approved set of courses in Astronomy, Biology, Chemistry, or Physics; and two more approved science or mathematics courses. A specific list of approved electives and approved science/mathematics courses can be obtained from the department Web site: <http://csc.villanova.edu>. A total of 30 credits in science and mathematics is required, 15 of which must be in mathematics. The major in

computer science is accredited by the Computing Accreditation Commission of ABET (www.abet.org).

COMPUTER SCIENCE MINOR: CSC 1051 or ECE 1620, CSC 1052 or ECE 2620, CSC 1300 or MAT 2600, CSC 1700, CSC 2053, CSC 2400 or ECE 2042, and two elective courses chosen from the list of approved courses available from the department office or department Web site.

INFORMATION SCIENCE MINOR: CSC 1051, 1052, 1300, 2500, 3400, and two elective courses chosen from the list of approved courses available from the department office or department Web site. The Information Science Minor focuses on the acquisition, representation, storage, indexing, manipulation, retrieval, and management of information in all its forms – text, audio, video, image, animation, and hypermedia.

See the Web site address above for more information.

Criminal Justice

Chair: Thomas Arvanites, Ph.D.
Office: 204 St. Augustine Center for the Liberal Arts
610-519-4740
Web site: <http://www.villanova.edu/artsci/sociology/undergrad/criminaljustice.htm>

Acceptance: To be accepted as a Criminal Justice major applying students must have earned a “C” or better in CRJ 1000, Introduction to Criminal Justice.

The Criminal Justice Major is an interdisciplinary program designed to provide students with an understanding of the causes, social functions, societal reactions, nature and application of criminal law. Rather than a technical program which focuses on applied skills (e.g. vocational skills), our program will emphasize the justice component. This program will educate students in diverse theories exploring the many social dimensions of crime and effectiveness (and implications) of current criminal justice policies.

• Required Courses:

CRJ 1000 Introduction to Criminal Justice
CRJ 3000/

SOC 3000	Criminology
CRJ 3200	Police and Society
CRJ 3300	Criminal Courts
CRJ 3400	Punishment and Society
CRJ 5100	Criminological Theory
CRJ 6500	Senior Seminar

• **One of the following:**

CRJ 5200	Criminal Justice Research and Statistics
SOC 5300	Data Analysis for Social Scientists
SOC 5400	Applied Research Methods

• **Two Approved Electives**

Requirements for a Minor in Criminal Justice (5 courses)

Required courses are Intro. to Criminal Justice (CRJ 1000) and Criminology (CRJ 3000 or SOC 3000), and three other criminal justice courses chosen from the offerings of the department. Philosophy of Criminal Justice (PHI 2140) is strongly recommended as one of the three elective courses. The student must inform the chair of his or her intention to minor and request certification of the minor when it has been completed.

See the Web site address above for more information.

Cultural Studies

Director: Silvia Nagy-Zekmi, Ph.D.
Office: 341 St. Augustine Center for the Liberal Arts
Contact: silvia.nagyzekmi@villanova.edu

The new interdisciplinary major in Cultural Studies (CST) is designed for undergraduate students who wish to combine the strengths of various departments in the College of Liberal Arts and Sciences. Students are expected to be highly motivated, self-disciplined, intellectually curious, and able to assume responsibility to build—with the help of the advisor—a distinctive set of courses while satisfying the requirements of the program. The major in Cultural Studies offers a unique opportunity to students with diverse interests in social studies and humanities. Students will work closely with the advisor to

construct an individually tailored interdisciplinary curriculum that will result in an intellectually challenging as well as satisfying academic experience.

Structure:

Requirements: 10 courses 30 credits

Combining disciplinary electives (5 courses) in any of the following areas: Communication, English, literature and studies in other languages and literatures, History, Philosophy, Political Science, Sociology, Theology, with specific seminars (2 courses) in Cultural Studies and other required (3 courses) students will complete a major in Cultural Studies.

Requirements: 30 credits, a total of 10 courses

1. Seminars: (6 credits, 2 courses)

A. Intro to Cultural Studies: CST 2100 (3 credits)

Theoretical basis of cultural studies is covered; students are introduced to the most common methods of research in cultural studies.

B. Capstone seminar CST 4100: (3 credits)

Seniors will take the capstone seminar on the **application** of different theoretical approaches to the study of different cultural phenomena and praxis. In this seminar students will demonstrate their knowledge and research skills acquired throughout the course of study by undertaking a major research project (a senior thesis) that will be placed in their portfolio.

2. Other required courses¹ (9 credits, 3 courses) one course from of each group

A. Representation of Culture (3 credits, 1 course)

COM 2300 – Theories of Mass Communication,
or ENG 204I – Theory and Practice of Travel Writing,
or SOC 2100 – Cultural Anthropology

B. Identity and Race (3 credits, 1 course)

PJ 2800 – Race, Class, & Gender,
or SOC 3600 – Race & Ethnic Relations,
or HIS 4997 – Race-Global Perspective

C. Identity and Gender (3 credits, 1 course)

GWS 2050 – Gender and the World
or SOC 3500 – Sociology of Gender
or HON 4050 – OOI HIS: Global Persp Women & Gender

¹Any of these courses not taken as one of the three required courses in this category may be taken as an elective.

3. Electives

Sample Electives:

COM 3342 – International Cinema
COM 2340 – Theories of Visual Communication & Culture
COM 3202 – Rhetoric, Identity & Conflict
COM 3244 – Folklore & Oral Traditions
COM 3354 – Media Criticism
ENG 2043 – Writing About US Pop Culture
ENG 2510 – Black Literature: Novel
ENG 2515 – Black Literature: Drama
ENG 2520 – Black Literature: Short Story
ENG 2530 – Harlem Renaissance
ENG 2730/1 – Introduction to African Literature – I-II
ENG 2735 – African Drama
ENG 2740 – Caribbean Literature
FRE 2218 – Francophone Writers & Cultural Identity
HIS 4090 – Women in the Middle East
HIS 3352 – 20th C European Culture & Soc.
HIS2278 – Native American History
HIS 4499 – TOP: British Empire
PJ 5500 – Politics of Whiteness
PHI 2400 – Social & Political Philosophy
THL 4310 – War and Morality
PSC 0261 – Civil Rights & Civil Liberties
PSC 0290 – International Relations
PSC 2750 – Black Politics
PSC 5500 – Africa in World Politics
PSC 6150 – Politics and Literature
PSY 2400 – Cross-Cultural Psychology
SOC 3750 – Human Populations
SOC 3900 – Social Inequality
SOC 5100 – Contemporary Theory & Research
SPA 3926 – Discourses of Memory
SPA 3412 – TOP: Spanish Medieval Folktale

East Asian Studies Concentration

Director: Joanna Rotté, Ph.D.
Office: 36 Garey Hall
Email: joanne.rotte@villanova.edu
Web site: <http://www.villanova.edu/artsci/eastasian/>

The East Asian Studies Concentration is an interdisciplinary program open to students in all degree programs in all four undergraduate colleges. The goals of the program are to equip students with basic competence in the history, politics, philosophies, languages, art, and cultures of the region; to provide understanding and appreciation of the region's diversity; and through teaching basic research skills, to offer a deeper comprehension of a particular problem, theory, event, or aesthetic of the region.

Academic Program Overview: Students are required to take a minimum of 24 credit hours in the following areas:

- Minimum of two semesters of an Asian language at the intermediate level
- One Core Course providing an overview of the region
- Five Elective Courses (the list below is representative of courses offered)

Other courses, including those taken in approved overseas studies programs, may count toward the Concentration at the discretion of the Director.

Core Courses: One of the following

HIS 4320 Modern East Asia
PSC 4500 Contemporary East Asia

Language Courses: Two at the intermediate level

CHI III1 Beginning Chinese I
CHI III2 Beginning Chinese II
CHI II21 Intermediate Chinese I
CHI II22 Intermediate Chinese II
CHI II31 Advanced Chinese I
CHI II32 Advanced Chinese II

Economics

Chair:	Wen Mao, Ph.D.
Office:	2015 Bartley Hall 610-519-4370
Web site:	http://www.villanova.edu/artsci/eca

Economics is the science that studies the behavior of social systems – such as markets, legislatures, corporations, and families – in allocating scarce resources. It is a discipline which brings together the diverse worlds of business, social science, and public policy. The study of economics is an excellent preparation leading to many career options. Economics majors are well positioned to be the future managers and leaders in both the private and public sectors. The study of economics at the undergraduate level provides a solid basis for graduate study in the social sciences and for professional study in business administration, law, public administration, and in the health sciences.

BACHELOR OF ARTS IN ECONOMICS: Students in the College of Liberal Arts and Sciences who specialize in Economics earn the degree of Bachelor of Arts in Economics. There is a minimum GPA requirement of 2.5 for a student to declare an Economics major. Such students must take Calculus (MAT 1320 or higher) either to satisfy their math requirement or as a free elective. They should take ECO 1001 and ECO 1002. Either ECO 1001 or 1002 can count toward one of the three Core Social Science core requirements in the freshman or sophomore year. In addition, students must successfully complete: ECO 2101, 2102, VSB2005 or ECO 2137 (or equivalent), 3132 (to satisfy the college research requirement), 4132, and 12 elective Economics credits (courses numbered above 3000). Students may receive a Specialization certificate by choosing to specialize in one of the following areas (Business Economics, Global Economics, Human Resource Economics, or Pre-Law) by taking, as part of their 12 elective credits, three courses within their specialty and focusing their seminar paper (ECO 4132) on that specialty area.

MINOR: Students must take Calculus (MAT 1320 or higher), and complete a total of 18 credits consisting of ECO 1001, 1002, 2101, 2102, and two elective courses with course numbers ECO 3000 or above.

For a list of economics courses, please see the Economics listing in the catalog for the Villanova School of Business.

See the Web site address above for more information.

Education and Counseling

Chair:	Edward G. Fierros, Ph.D.
Office:	302 St. Augustine Center for the Liberal Arts 610-519-4620
Web site:	http://www.villanova.edu/artsci/education/
Course Descriptions:	http://www.artsci.villanova.edu/courses/education.html

The Department of Education and Counseling secondary teacher education program seeks to develop prospective teachers able to meet the demands of teaching in a variety of school environments, public and private, urban and suburban. Provisions for professional competencies and teacher certification include a thorough grounding in the liberal arts, a substantial concentration in an area of specialization and a study of the foundations, principles and methods of education.

NOTE: In addition to the Education major, it is recommended that students earn a second major in their teaching area. Education majors must come to the Department each semester for advising.

MAJOR: In addition to the teaching subject area requirements described in the sequence charts that can be obtained at our office, Secondary Education majors are required to earn a total of 30 credit hours in Education courses. These are: EDU 2201 or 2202, 2300, 3251, 3263, 4245, 4290, 4292, 4298 and an appropriate teaching methods course. The coursework includes a full time student teaching experience which is open only to students in their senior year who have completed all education courses and all of the subject matter courses in their field of specialization.

ADMISSION REQUIREMENTS: Secondary Certification candidates apply the first semester of their sophomore year in anticipation of completing 47 or 48 credits that semester. Application requirements include, a minimal 2.8 GPA, six credits in English and mathematics respectively, two letters of recommendation from professors, and an essay. For a complete listing of requirements, see the Undergraduate Student Handbook.

PENNSYLVANIA TEACHER CERTIFICATION: Students are required to have a GPA of 3.0 at graduation; three, one-credit education workshops; and are also required to successfully complete the state mandated Praxis series of examinations and have taken three, one-credit workshops in special education.

Please see section on Teacher Certification on page 110 for more information.

AREAS OF CERTIFICATION:

Biology	Citizenship	Spanish
Chemistry	Social Studies	French
General Science	Communication	German
Mathematics	English	Italian
Physics	Latin	

MINORS: A minor in Education does not lead to teacher certification but expose students to the field of education. The minor in Educational Policy and Leadership requires 15 credits and includes EDU 2300, 3253, 3263. Two elective courses may be selected from EDU 3264, 4289, 8656, 8669 or an education topics course. A general minor in Education requires 15 credits and includes EDU 2202, 3251, 3263, and 4290. An additional three or more credits must be earned from among the following: EDU 2201, 2300, 3254, 3258, 3260, 3262, 3265, 3266, 4301.

See the Web site address above for more information.

English

Chair: Evan Radcliffe, Ph.D.
Office: 402 St. Augustine Center for the Liberal Arts
 610-519-4630
Web site: <http://www.villanova.edu/artsci/english/>

MISSION: The English Department's mission is based on the belief that skillful, self-conscious reading, writing, and thinking form the foundation for a well-examined life well-lived. We seek to develop rigorous yet creative forms of analysis and expression that help us comprehend our own and others' cultures and values. As teachers, students, and scholars, we aspire to create a community that celebrates imaginative approaches to living and explores language's and literature's potential to order and transform the world.

MAJOR: Eleven courses (thirty-three hours) in advanced English courses (numbered 2000 or above) including:

- Junior Research Seminar (English 2250)
- Two courses in British/Irish literature pre-1800 from two of three areas: (1) Medieval; (2) Renaissance (to 1649); (3) Restoration and Eighteenth Century.
- Two courses in literature after 1800: one in British/Irish literature and one in American literature. One of these courses must be in 19th century literature and one must be in literature after 1900.
- Senior Seminar (English 5000)
- Five electives

English majors must take the Junior Research Seminar before they complete their junior years. The English Department recommends that they consider taking it as sophomores.

British Literary Tradition I (English 2101) is not required, but the English Department recommends that English majors take it early, since it introduces writers, texts, and issues that are crucial to most subsequent courses.

British Literary Tradition I and 2 (2101, 2102) and American Literary Tradition I and 2 (2103, 2104) can operate as free electives with a maximum of two permitted toward the major.

MINOR: Fifteen hours including:

- At least one course from the British/Irish literature offerings (mostly 3000-level courses).
- At least one course from the American literature offerings (mostly 4000-level courses).
- At least three electives from the English departmental offerings (numbered 2000 or above).

See the Web site address above for more information.

Environmental Science and Studies

Chair:	Francis A. Galgano Jr., Ph.D.
Office:	Mendel Science Center G-67-D 610-519-3337
Web site:	http://www.villanova.edu/artsci/geoenv/academics/
Course Description:	http://www.villanova.edu/artsci/geoenv/courses/

Environmental programs at Villanova include the Environmental Science major, Bachelor of Science; the Environmental Studies major, Bachelor of Arts; and the Environmental Studies Minor. The Department of Geography and the Environment administers each academic program.

Bachelor of Science, Environmental Science major (130 credit hours):

Environmental science is the study of interactions among physical, chemical, and biological components of the environment. Environmental Science provides an integrated, quantitative, and interdisciplinary approach to the study of environmental systems. Students enrolled in this new and dynamic major will learn how to monitor the quality of the environment, interpret the impact of human actions on ecosystems, and develop strategies for restoring natural systems. In addition, students will learn how to help planners develop and construct buildings, transportation corridors, and utilities that protect water resources and reflect efficient and beneficial land use. This is a highly interdisciplinary major; thus, students will work in multi-disciplinary teams to analyze complex environmental problems, examine environmental laws and policy decisions that require specific environmental protocols, and develop methods to promote public awareness of environmental problems.

For more information about the Environmental Science major, visit the Web site: www.villanova.edu/artsci/geoenv/academics/bs-environmental-science.htm

Bachelor of Arts, Environmental Studies major (125 credit hours):

The Environmental Studies major focuses on the systematic study of human interaction with the natural environment. Today's environmental problems have evolved into highly complex and interdisciplinary issues involving political, economic, social, as well as physical and biological considerations. Modern environmental studies programs include the examination of urban and natural environments. Society needs educated people capable of addressing current and future environmental problems from a holistic approach, one that emphasizes linkages between human and natural systems. These may include urban

environments, land use planning and management, environmental pollution, sustainability, or economic growth and its impact on natural resources. These relationships must be analyzed and understood in order to address successfully environmental problems at local, regional, and global scales.

For more information about the Environmental Studies major, please visit the Web site: www.villanova.edu/artsci/geoenv/academics/ba-environmental-studies.htm

The Environmental Studies Minor: The Minor promotes an interdisciplinary approach to environmental issues. Several requirements of the Minor also fulfill requirements in the student's major and/or the Core Curriculum. The Minor is open to students from all colleges and all majors. Contact Dr. Lisa Rodrigues for more information.

For more information about Environmental Programs, please visit the Web site: www.villanova.edu/artsci/geoenv/academics/

Ethics Program - Concentration and Minor

Director: Mark Doorley, Ph.D.
Associate Director: Brett Wilmot, Ph.D.
Office: 485 St. Augustine Center for the Liberal Arts
610-519-4692
610-519-8026
Web site: <http://www.villanova.edu/artsci/ethics/>
Course descriptions: <http://www.villanova.edu/artsci/ethics/coursecatalog.htm>

The University believes that issues of ethics and values are at the heart of every human endeavor. In addition to regular requirements in the sciences and humanities, the College of Liberal Arts and Sciences and the Villanova School of Business require each student to take a special multidisciplinary course in ethics, typically in the sophomore year. The purpose of this course (ETH 2050) is to give students the opportunity to examine and discuss both ethical theories and their applications to contemporary moral issues. This course is designed to contribute to the implementation of Villanova's mission statement which states that as a Catholic institution Villanova both emphasizes the values of the Jewish and Christian humanistic traditions and concerns itself with all value systems.

Concentration: The Ethics Concentration offers students an opportunity to pursue in-depth an intellectual discipline that studies human character and conduct. Ordinarily, a student must earn a C or better in ETH 2050 in order to pursue an Ethics Concentration. Each student in the concentration selects one of four tracks: Ethics and Health Care; Ethics, Politics, and Law; Ethics, Economics, and Public Policy; or Ethics, Science, Technology, and the Environment. Concentrators must also fulfill the service requirement.

Service Requirement: A minimum of 100 hours of approved service, including work with the poor or otherwise marginalized members of our society and/or work related to building a sustainable world environment, is required for the Ethics Concentration. This component affords students the opportunity to engage in practical moral inquiry. The student, in conjunction with the associate director, will arrange and design the service with the goal of enhancing comprehension of applied ethical issues in the track selected by the student.

Required Courses:

- ETH 2050 Ethical Traditions and Contemporary life
- ETH 4000 Integrating Seminar

Track 1: Ethics and Health Care

- PHI 2115 Ethics for the Health Care Professional
- THL 4200 Ethics of Life and Death
or
THL 5950 Death and Dying
- Two electives from list of approved track courses

Track II: Ethics, Politics, and Law

- PHI 2450 Social and Political Philosophy
- PHI 3650 Philosophy of Law
or
PJ 5000 Selected Topics*
- Two electives from list of approved track courses

Track III: Ethics, Economics, and Public Policy

- PHI 2450/ PJ 2600 Catholic Social Thought
- SOC 2950/ PJ 5200 Perspectives on US poverty
or
ECO 4200 Topics in Economics*
- Two electives from list of approved track courses

Track IV: Ethics, Science, Technology, and the Environment

- HIS 2276 American Environmental History
- PJ 2200 Caring for the Earth
- or**
- PHI 2121 Environmental Ethics
- Two electives from list of approved track courses

*Topics courses must be approved by the director

Ethics Minor: The Ethics Program offers an ethics minor that is open to all undergraduate students at Villanova University. The rationale for this academic program is based on two pillars. First, Villanova University prides itself on presenting an educational alternative built around a clear ethical core, in particular, the moral teachings of the Catholic Church. An ethics minor allows students to pursue the study of ethics explicitly and in depth as part of their undergraduate education but without committing to the more extensive demands of a concentration. This minor contributes directly to the mission of the university. Second, a focus on ethics not only benefits students' intellectual and moral development and contributes to the public perception of the university but also has tangible benefits for students as they apply for graduate studies, fellowships, and jobs on completion of their studies.

Academic Requirements: ETH 2050 is the gateway course for the ethics minor. Ordinarily, a student must earn a B or better in ETH 2050 to be eligible for the minor. Generally, a student will declare the minor after completing ETH 2050. In discussion with the faculty of the Ethics Program, the student will create a course of study that pursues a thematic program or question that the student identifies. To complete the requirements for the Ethics Minor, a student must prepare an E-Portfolio which will collect representative written work that he or she has done for the courses taken in pursuit of the minor, including the work for ETH 2050. A student is required to complete two upper-level ethics courses in theology and two upper-level ethics courses in philosophy. Each semester the courses that will count toward the minor will be marked in the Master Schedule.

See the Web site address above for more information.

French and Francophone Studies

Chair:	Mercedes Juliá, Ph.D.
Office:	303 St. Augustine Center for the Liberal Arts 610-519-6955
Web site:	http://www.villanova.edu/artsci/modernlanglit/european/french/
Course descriptions:	http://www.artsci.villanova.edu/courses/french.html

MAJORS: Majors in French and Francophone Studies are required to take 10 courses above the intermediate level (1122). Once a sequence of language courses has begun, a student may not revert to a lower-level course. This does not apply to upper-level courses (above 1132). French majors must satisfy a one-semester research requirement by enrolling in either French 2001 or French 2002.

MINORS: For a minor in French, four courses above the intermediate level in the language are required, including French 2001 or 2001 or the equivalent.

The Department of Romance Languages and Literatures also offers literature courses in English translation. Such courses may be used to fulfill a Humanities elective; however, they may not be used toward credit requirements for a language major or minor. An upper-level literature course in any language taught in the Department may count for the minor in a language.

Students may obtain up to six credits through the Villanova summer program abroad in France.

See the Web site address above for more information.

Gender and Women's Studies

Co-Directors: Catherine Kerrison, Ph.D., and Lisa Sewell, Ph.D.

Office: 204 Old Falvey

610-519-3815

Web site: <http://www.villanova.edu/artsci/gws/>

The Gender and Women's Studies Program is an interdisciplinary program providing courses, a minor, and a major, in Gender and Women's Studies. It is open to students in all degree programs. In addition to the courses listed below, Gender and Women's Studies generates new, specialized topics courses each semester. Please check the Web site for current course offerings.

MAJOR: The Major in Gender and Women's Studies requires students to take a total of ten courses, including all three foundational courses, GWS 2050, GWS 5000, and a sophomore research seminar in Feminist Theory and Methodology. In addition, GWS majors must take seven electives, at least two of which must be in the social sciences and two in the humanities. Elective courses must carry the GWS attribute, awarded by the Chair of the GWS major.

MINOR: The minor in Gender and Women's Studies requires students to take a total of six courses including GWS 2050-Gender and the World, and GWS 5000-Integrating Seminar, which is taken as a culminating course.

Gender and the World is offered every fall semester, and the Integrating Seminar is offered every spring. Other courses for the GWS major and minor may be taken in a variety of departments, reflecting the interdisciplinary nature of gender and women's studies, as long as they are designated with the Gender and Women's Studies attribute (a partial list appears below) on the NOVASIS Master Schedule and/or approved by the Academic Director of the Gender and Women's Studies program.

GWS 2050	Gender and the World
GWS 3000	Independent Study
GWS 5000	Integrating Seminar (required; topic varies)
AAH 3001	Women in Art
COM 3406	Gender and Communication
COM 334I	Gender and Film
ENG 2300	Women in Literature
HIS 2296	History of American Women

HIS 3360	Women in Pre- Modern Western Civilization
NUR 4800	Women's Health Issues
PHI 2420	Philosophy of Women
PHI 4900	Feminist Theory
PJ 2800	Race, Class and Gender
PSC 2700	Women and Politics
PSY 3000	Psychology of Women
SOC 2300	Sociology and the Family
SOC 3500	Sociology of Gender Roles
THL 5850	Women in Religion and Society

Topics – GWS Director can approve other courses offered by departments. (Please see Master Schedule.)

See the Web site address above for more information.

Geography

Chair:	Francis A. Galgano Jr., Ph.D.
Office:	Mendel Science Center G-67-D 610-519-3337
Web site:	http://www.villanova.edu/artsci/geoenv/
Course Descriptions:	http://www.villanova.edu/artsci/geoenv/courses

The geography major is an integrating, multi-disciplinary academic program within the Department of Geography and the Environment. The geography major focuses on linkages between human and natural environments within a spatial context using state-of-the-art technology such as satellite imagery, GPS, computer mapping, and Geographic Information Systems. Geography majors receive an integrated education that focuses on the spatial dynamics of economic, political, cultural, and environmental systems. The major is dynamic, focuses on critical global trends, and has applicability to a wide variety of fields in government, science, education, business, and engineering. Individual programs are formed around major geographic problems and world regions. The department offers course work in four areas: (1) human systems analysis; (2) geographical techniques; (3) regional analysis; and (4) environmental analysis and human dimensions of global environmental change.

MAJOR: At least 10 courses in geography. The distribution is given below:

- Foundation Courses (13 credits): GEV 1001 (International Approaches to Geography), 1500 (Physical Geography), and 1750 (Geography Techniques), and 4700 (Geographic Information Systems)
- Regional Geography (3 credits): Any one of five regional courses (i.e., Europe, North America, Asia, Africa, and the Middle East)
- Research Seminar (3 credits): GEV 2500 (Global Change in Local Places)
- Senior Seminar or Independent Study (3 credits): GEV 6200
- Geography Electives (9 credits): Any focused program developed from the remaining 1000, 2000, 3000, 4000, 5000, and 6000 series courses

MINOR: Requirements are: GEV 1000 introductory courses (3 credits); 3000 Regional courses (3 credits); GEV 4700 Geographic Information Systems (4 credits); and 6 credits from any combination of the 1000, 2000, 3000, 4000, series courses.

Majors and minors who meet certain academic standards are eligible for membership in the Eta Lambda chapter of Gamma Theta Upsilon, the International Geographic Honors Society, which annually sponsors activities, lectures, and field trips. Internships designed for geography majors are also available. Geography students participate in professional conferences and student paper competitions in regional professional societies.

See the Web site address above for more information.

German

Chair:	Mercedes Juliá, Ph.D.
Program Coordinator:	Charles Helmetag, Ph.D.
Office:	303 St. Augustine Center for the Liberal Arts 610-519-7794
Web site:	http://www.villanova.edu/artsci/modernlanglit/european/german/
Course descriptions:	http://www.artsci.villanova.edu/courses/languages.html

MAJOR: Due to lack of enrollment, the major in German has been discontinued

at Villanova. New majors are not permitted at this time. Only intermediate I and II are offered at the present time.

MINOR: Due to lack of enrollment, Villanova is no longer accepting minors in German.

The Department of Romance Languages and Literatures also offers literature courses in English translation. Such courses may be used to fulfill a Humanities elective; however, they may not be used toward credit requirements for a language major or minor.

See the Web site address above for more information.

Global Interdisciplinary Studies

Director: Maghan Keita, Ph.D.

Office: 36 Garey Hall
610-519-6302

Web site: <http://www.villanova.edu/artsci/global/>

The Institute for Global Interdisciplinary Studies is rooted in and committed to the Augustinian and Catholic tradition of an inspired intellectual community, oriented by a quest for justice and peace. In a world beset by crisis, the mission of the Institute is to train a dedicated cadre of students who see themselves as problem-solvers and advocates for justice and peace worldwide.

MAJOR: The Institute for Global Interdisciplinary Studies provides a unique and dynamic course of study that consists of 12 courses comprising 36 credit hours for the completion of the major. The 12-course sequence has as its center a five-seminar core that consists of the Proseminar: Introduction to Global Interdisciplinary Studies, the Junior Research Seminar, and the Senior Capstone Colloquium. In addition, in the Senior year, Thesis I and II are required. These courses are mandatory.

In addition to these three, the student will choose two other seminars to complete the core. All seminars will be team-taught and capped at 17 students. Seminars are open to the University population at large; however, Global Studies majors will receive priority. The remaining element of the IGIS curriculum will be satisfied by the selection of five more courses, seminar, and/or lecture-

discussion in areas of the student's choosing, which correspond to the designed plan of study. Currently, there are approximately 200 courses from which a student might choose.

All students majoring in Global Interdisciplinary Studies must complete the College of Liberal Arts and Sciences language requirement of proficiency in the language of their choosing at the intermediate level. Language choices for Global Interdisciplinary Studies majors will complement their selected areas of studies. The choice of language, along with the overall course of study, will be augmented by a mandatory semester abroad that will focus on language and cultural immersion.

Student initiative and responsibility are central to the design and the completion of a successful course of study as an Institute for Global Interdisciplinary Studies major. In conjunction with the Institute director and a faculty mentor of each student's choosing, the student will create her/his own major. The major will be tailored to the interests of the individual student. Students will be in ongoing consultation with the director and their mentor to refine the course of study.

MINOR: While the Institute offers no minor per sé, minors are possible within the area of Critical Language and Cultural Studies for Arabic, Chinese, Japanese, and Russian. Information concerning the requirements for these minors can be found on their respective pages. In addition, students interested in minoring in those areas should consult their Web sites. These can be accessed through the Institute for Global Interdisciplinary Studies Web site.

Acceptance: Admission to the major for Global Interdisciplinary Studies is open to all students of the College of Liberal Arts and Sciences who are in good standing. Students must fill out the application and complete its essay prior to admission.

See the Web site address above for more information.

History

- Chair:** Marc Gallicchio, Ph.D.
Office: 403 St. Augustine Center for the Liberal Arts
610-519-4660
Web site: <http://www.villanova.edu/artsci/history/>
Course Descriptions: <http://www.artsci.villanova.edu/courses/history.html>

MAJOR: History majors must earn 27 credits in history beyond the basic World History course (Themes in Modern World History [HIS 1050] or Themes in Pre-Modern World History [HIS 1040]). *Effective Fall 2007*, the 10 courses required for the major now must include:

- History 1040 or 1050
- Either HIS 2000, Investigating US History I, or HIS 2001, Investigating US History II
- At least one junior research seminar
- History 5501 (Seminar in Historical Methodology) or History 5515 (Independent Research)
- At least six additional history courses of the student's choice

MINOR: History minors are required to earn 18 credit hours in history. For students in the College of Liberal Arts and Sciences, the 18 credit hours must include HIS 1050, Themes in Modern World History, or HIS 1040, Themes in Pre-Modern World History.

The following courses may also be taken for credit toward the History major or minor:

- AAH 1101 History of Art: Beginnings to Renaissance
- AAH 1102 History of Art: Renaissance to Contemporary World

See the Web site address above for more information.

Honors Program

Director:	Thomas W. Smith, Ph.D.
Office:	106 Garey Hall 610-519-4650
Web site:	http://www1.villanova.edu/villanova/honors.html
Course descriptions:	http://www1.villanova.edu/villanova/honors/academics/courses.html

The University Honors Program is a comprehensive four-year curriculum of small seminars designed to foster the free and open exchange of ideas among students and faculty. Honors courses emphasize extensive reading and writing, and attempt to develop the critical abilities of judgment and analysis. Innovative courses include team-taught seminars and seminars given by visiting professors. All Honors courses are enriched by a variety of lectures, cultural events, and social activities.

Students in the College of Liberal Arts and Sciences may pursue the degree of B.A or B.S. Honors Program. The Honors Program Interdisciplinary Concentration is open to students in all Colleges.

Acceptance: Admission to the University Honors Program is by invitation or by application to the Director. Members of the Program are expected to take Honors courses at least every third semester, and to maintain high academic standards (At least a 3.33 overall QPA). Individual Honors courses are open to all Villanova students who have at least a 3.0 overall QPA or will bring a special expertise to the course, contingent upon class size limitations.

B.A.H. Degree: Twelve Honors courses, including:

- The Humanities Seminar HON 2550, or the Social Science Seminar HON 2560.
Students are strongly encouraged to take this course junior year;
- A six-credit HON 6000 & HON 6002 senior thesis, and
- Three upper level courses which may be used to fulfill core requirements

If students have declared a dual-degree, one major being Honors, then they will receive a Bachelor of Arts, Honors, in addition to the Bachelor's degree from the other major(s).

B.S.H. Degree: Ten Honors courses, including:

- The Natural Science Seminar, HON 2570.
Students are strongly encouraged to take this course junior year.
- A six-credit HON 6000 & HON 6002 senior thesis, and
- Three upper-level courses which may be used to fulfill core requirements.

If students have declared a dual-degree, one major being Honors, then they will receive a Bachelor of Science, Honors, in addition to the Bachelor's degree from the other major(s).

Honors Program Concentration in Liberal Studies:

- Eight courses in Honors, at least three of which must be upper level.

All Honors Program certifications require a minimum overall QPA of 3.33. Honors classes may be used to fulfill Arts and Sciences requirements and electives for students in all of the undergraduate colleges.

For first- and second-year students, the Program offers Honors seminars in place of the core curriculum introductory courses in the humanities and social sciences. Some students are invited to take multi-credit, team taught interdisciplinary seminars (HON 1000, 1050, 2000 series), which examine the major works of Western and World Civilization in place of regular core requirements. This Honors core for students pursuing the degrees B.A.H or B.S.H. culminates with specially designed seminars on methodology, current issues, and ethical questions in the humanities (HON 2550), social sciences (HON 2560), or natural sciences (HON 2570).

On the advanced level, the Honors Program offers a variety of seminars that include traditional themes of enduring significance, timely issues of concern, and interdisciplinary studies not available elsewhere in the college. All have in common small student enrollment, active class participation, and intensive writing requirements. Specific offerings change from semester to semester to reflect the interests of faculty and students in the Program.

All upper-level seminars also fulfill major, concentration, and minor requirements in specific academic disciplines.

See the Web site address above for more information.

Humanities

Chair: Kevin Hughes, Ph.D.
Office: 304 St. Augustine Center for the Liberal Arts
610-519-6165
Web site: <http://www.villanova.edu/artsci/humanities/>

The Department of Humanities offers an integrated, interdisciplinary curriculum. This is available to Humanities majors as well as to students at Villanova University generally. In some cases, Humanities courses will fulfill certain requirements for the Core Curriculum of the College of Liberal Arts and Sciences.

MAJOR: The Humanities major requires the completion of 10 courses. Four Gateway Courses are required of all majors: HUM 2001: God, HUM 2002: Human Person, HUM 2003: World, HUM 2004: Society (see course descriptions below). Students then take five free electives and the Capstone Seminar, HUM 6500, in senior year.

MINOR: Students must take two of the four Gateway Courses: HUM 2001, HUM 2002, HUM 2003, HUM 2004 plus three electives.

Gateway Courses

HUM 2001 THL: God – To talk about God is to talk about human beings and vice versa. Even atheism is a large statement about what it means to be human. This course will begin with some contemporary theological questions. What is religion, anyway? Do we need it anymore? What is the place of religion in the contemporary world? We will then investigate how revelation illuminates God and creation in a way that transforms the world. Fulfills an upper level Theology in the Core Curriculum.

HUM 2002 PHI: Human Person – What it means to be human has been called into question by a variety of movements that reduce human beings to, for instance, biological motivations, economic incentives, historical trends, or inescapable networks of power. These questions about what it means to be a human being come at a time in which technology gives us unprecedented power to manipulate human life. Beginning from these contemporary problems, we will go on to ask questions like: What is human nature? How does one become more deeply human? What does it mean to act for the human good? How can we discover meaning in primordial human experiences such as love, mortality,

finitude, and suffering? What is human destiny? Fulfills an upper level Philosophy in the Core Curriculum.

HUM 2003 PHI: World – How we think about the natural world affects how we live and vice versa. Modern Science is a dominant way of interpreting the world and so human life. How does modern science interpret the world? What are the effects of this interpretation on the way we view human beings? What are the problems and possibilities in this interpretation? Are there any limits to modern science's reductionism? How might these be overcome in order to disclose the full range of human experience? What is the relationship of science to philosophy and theology? Fulfills a Research Seminar requirement in the core curriculum.

HUM 2004 PSC: Society – We live in a time when political, economic, and family life dominates our horizon of concerns. And yet we also live in a time when we seem cynical about the possibility of finding meaning in them. How is our dependant, rational nature developed in society through marriage, family, work, markets, and government? How can we engage these activities today in a way that is genuinely good for us? Fulfills an upper level Political Science in the Core Curriculum.

Capstone Seminar

Hum 6500: Senior Capstone Seminar

The Department's Capstone is a seminar, meeting once a week, in which students read contemporary texts on issues they have engaged in their study of the humanities. A wide-ranging but not exhaustive list of these issues would include developments in biotechnology and their implications for our understanding of what it means to be a human being; the globalization of capitalism and its impact on work, culture, and politics; recent work in theology and philosophy and its meaning for inter-religious dialogue, ethical discussion, and public life; and challenges to postmodern theory which seek to critically incorporate its insights into the cultural construction of identity while affirming eternal truths about the human person. Students will be expected to contribute to class discussion, write weekly responses to texts, and complete a 10-15 page research paper.

See the Web site address above for more information.

Irish Studies Concentration

Director: Joseph Lennon, Ph.D.
Office: 455 St. Augustine Center for the Liberal Arts
610-519-4647
Web site: <http://www.villanova.edu/artsci/irishstudies/>

Irish Studies explores the history and culture of the Irish people from different perspectives – literature, history, theatre, art, politics, film, and folklore. The program is open to students from all colleges. Interested students may also study in Ireland either in a Semester Abroad program or with the Villanova in Ireland Summer program at NUI Galway. Details are available in the Irish Studies Office.

CONCENTRATION: Fifteen credits including two core courses, ENG 2500 and either HIS 3216 or HIS 2286, and any three of the following: AAH 3007; ENG 2450, 2460, 2470, 2490, 3615, 3616; HIS 3200; HIS 3214; PSC 4950; and HON 3650.

See the Web site address above for more information.

Italian

Chair: Mercedes Juliá, Ph.D.
Program Coordinator: Gaetano Pastore, Ph.D.
Office: 303 St. Augustine Center for the Liberal Arts
610-519-4696
Web site: <http://www.villanova.edu/artsci/modernlanglit/european/italian/>
Course descriptions: <http://www.artsci.villanova.edu/courses/italian.html>

MAJOR: Majors in Italian are required to take 10 courses above the intermediate level (I122). Once a sequence of language courses has begun, a student may not revert to a lower-level course. This does not apply to upper-level courses (above I132). Majors must satisfy a one-semester research requirement by enrolling in either ITALIAN 3211 or 3212.

MINOR: For a minor in Italian, four courses above the intermediate level in the language are required.

The Department of Romance Languages and Literatures also offers literature courses in English translation. Such courses may be used to fulfill a Humanities elective; however, they may not be used toward credit requirements for a language major or minor. An upper-level literature course in any language taught in the Department may count for the minor in a language.

Students may obtain up to six credits through the Villanova summer programs abroad in Italy.

See the Web site address above for more information.

Japanese Minor

Director:	Maghan Keita, Ph.D.
Office:	36 Garey Hall 610-519-6302
Web site:	http://www.villanova.edu/artsci/global/
Course descriptions:	http://www.villanova.edu/artsci/global/criticallangs/japanese/minor.htm

MINOR: The minor in Japanese Language and Cultural Studies requires four courses in Japanese language through the intermediate level (JPN IIII- Introduction to Japanese I/JPN IIII2- Introduction to Japanese II, and JPN II2I- Intermediate Japanese I/JPN II22- Intermediate Japanese II). In addition, students must also select two courses from the following list of electives:

JPN 1131	Advance Japanese I
JPN 1132	Advance Japanese II
JPN 2100	Japanese Literature in English Translation
JPN 2102	Japanese Film
JPN 2115	Women in Asia
JPN 2143	Japanese Animation: Art, Culture & Communication
JPN 2144	Japanese Culinary Culture
JPN 3412	Special Topics

See the Web site address above for more information.

Latin American Studies

Director: Satya Pattnayak, Ph.D.
Office: 273 St. Augustine Center for the Liberal Arts
 610-519-4773
Web site: <http://www.villanova.edu/artsci/latinamericanstudies/>

MAJOR:

Requirements for the New Latin American Studies Major (10 courses with a minimum of 30 credits):

1. Language Requirement (2 courses):

In addition to satisfying the College requirement of Intermediate Spanish or Intermediate Portuguese language, students will have to satisfy 2 courses of advanced Spanish or advanced Portuguese language or literature courses. Native speakers of Spanish and Portuguese may ask for the language waiver and, if granted, will have to take two electives instead.

2. One Capstone Seminar (LAS 3950 or LAS 6500)

3. Three Thematic courses

- a. One in the Humanities (THL-5990, THL-3740, THL-4600, SPA-2143, SPA-2212, SPA-3412, PHI-2160, ENG-2041, SPA-2213, SPA 2214 or SPA-2215).
- b. One course in the Social Sciences (ECO-4220, ECO-4200, PSC-4875, PSC-5800, SOC-3600, SOC-3750, or SOC-4000).
- c. One course in Latin American History (HIS-4415, HIS-4420, HIS 4410, or HIS-4495).

4. One Research Methods (ECO-3132, SPA-3950, HIS-5501, COM-4001, COM-4002, PSC-1900, PSY-4050, SOC-5100, SOC-5200, or SOC-5300). This requirement satisfies the College's sophomore/junior research requirement.

5. Electives (3 courses)

Students can take any 3 courses listed under "electives" on the program website or advertised in other printed material. Electives may include "Internship" (LAS-5000) and/or "Independent Study" (LAS-6000).

6. Study Abroad (one semester)

Students are mandated to spend a semester abroad at a university in Latin America and can acquire linguistic skills, engage in cultural immersion, and complete course requirements. From a semester abroad, a maximum of 4 courses may be counted towards the major.

Students are strongly encouraged to complete the semester abroad requirement during the sophomore or junior year.

MINOR:

A total of 21 credits are needed for a Minor. Students must take two intermediate level courses in Spanish or Portuguese language, a required seminar (LAS 3950 or LAS 6500) and four other courses from the list displayed on the program Web site.

*PS: For Portuguese language instruction, read under “Portuguese Language Program.”

Liberal Arts Major

Contact: Trudi Tedjekse, Assistant Dean for Undergraduate Students
Office: 107 St. Augustine Center for the Liberal Arts
610-519-8900

The Liberal Arts Major is a rigorous academic major, which requires students to complete an intensive course of study that includes 40 courses and at least 122 credits. The Liberal Arts Major is granted by special permission from the Assistant Dean for Undergraduate Students. Please visit the office for more details.

Mathematics and Statistics

Chair: Douglas Norton, Ph.D.
Office: 305 St. Augustine Center for the Liberal Arts
610-519-4850
Web site: <http://www.villanova.edu/artsci/mathematics/>
Course descriptions: <http://www.artsci.villanova.edu/courses/math.html>

FRESHMAN CALCULUS: Prospective first-year Villanova students who have completed a year’s study of calculus in high school should take the College Board Advanced Placement test for possible credit for the first course at Villanova.

MAJOR: MAT 1500, 1505, 2500, 2600, 2705, 3300, 3400, 3500, and 5900;

an approved analysis elective course, e.g. MAT 3305, 4270, or 5400, plus four additional mathematics courses numbered 3000 or higher; a two-semester natural science sequence with laboratory, e.g. PHY 2410/241I and 2412/2413; a third science course, either three credit plus an appropriate lab or four credit, such as CSC 105I (all science courses must be at the science-major level).

MINOR: MAT 1500, 1505, 2500, 2600, plus four courses chosen from MAT 2705 and courses numbered 3000 or higher. Students may petition to substitute an approved upper division course (e.g., CSC 4170, ECE 3720, ECO 3138, PHY 4202, CEE 3704) in his/her major for **one** of these four courses. To graduate with a minor, students must have at least a 2.0 G.P.A. in their Mathematics courses.

NOTE: The University offers multiple versions of calculus and of statistics. One cannot receive credit for two similar versions of calculus or statistics without prior approval. Please contact the department for more information.

Military Science Program and Minor (Army ROTC)

Chair: LTC Jon Peterson, U.S. Army
Office: Military Science Building
Web site: <http://www.armyrotc.villanova.edu>
Course Descriptions: <http://www.widener.edu/rotc>

ARMY ROTC PROGRAM: By agreement with Widener University's Department of Military Science, Villanova offers a program of study leading to a commission as a Second Lieutenant in the U.S. Army. Details are found in the Academic Programs Section of the Undergraduate Catalog.

COURSES OF STUDY:

MS 101	Leadership and Personal Development	1 credit
MS 102	Introduction to Tactical Leadership	1 credit
MS 201	Innovative Team Leadership	2 credits
MS 202	Foundations of Tactical Leadership	2 credits
MS 301	Adaptive Tactical Leadership	3 credits
MS 302	Leadership in Changing Environments	3 credits
MS 401	Developing Adaptive Leaders	3 credits

MS 402	Leadership in a Complex World	3 credits
MS 499	American Military History	3 credits

MINOR: Students who successfully complete all military science courses 101 through 402 (18 credit hours) will earn a minor in military science.

See the Web site address above for more information.

Naval Science Program and Minor (Navy ROTC)

Chair: Col. Stephen D. Marchioro, USMC

Office: 103 John Barry Hall
610-519-7380

Web site: <http://www.villanova.edu/artsci/nrotc/>

Course descriptions: http://nrotc.villanova.edu/current_students/courses.htm

Eligibility for a commission in the U.S. Navy or the U.S. Marine Corps through the NROTC program is contingent upon successful completion of required university and naval professional courses of study. Courses required by the NROTC program follow:

1. Navy Option: NS 0100, 1000, 1100, 2100, 2200, 3100, 3200, 4100, 4200, plus six credits each of Calculus (completed by end of sophomore year), Physics (completed by the end of junior year), and English (no time requirement), and, three credits each of Cultural Awareness and American Military Affairs (also no time requirement). All courses must be approved by the Naval Science Advisor.

2. Marine Option: NS 0100, 1000, 1100, 3500, 3600, 4100, 4200, and three credits of American Military Affairs, approved by the Marine Option Advisor.

3. Nurse Option: NS 0100, 1000, 1100, 4100, 4200, and six credits of English, approved by Naval Science Advisor.

MINOR:

(Navy Option) NS 0100, 1000, 1100, 2100, 2200, 3100, 3200, 4100, 4200.

(Marine Option) NS 0100, 1000, 1100, 3500, 3600, 4100, 4200.

See the Web site address above for more information.

Peace and Justice Education

Director: Kathryn Getek Soltis, Ph.D.
Office: Corr Hall, First Floor
610-519-4499
Web site: <http://www.villanova.edu/artsci/peaceandjustice/>
Course descriptions: <http://www.artsci.villanova.edu/courses/pj.html>

The Center for Peace and Justice Education contributes to the mission of Villanova University by encouraging the search for global peace and social justice through interdisciplinary education, especially as that is informed by the insights of Roman Catholic social thought.

CONCENTRATION: Twenty-four credit hours, including all requirements for the minor, plus two additional Peace and Justice courses, courses cross-listed by Peace and Justice, or courses otherwise earning Peace and Justice credit. No more than three foundational courses may receive credit for the concentration.

MINOR: Eighteen credit hours, including one of the following foundational courses: PJ 2250 Violence and Justice in the World; PJ 2600 Catholic Social Teaching; PJ 2700 Peacemakers and Peacemaking; PJ 2800 Race, Class, and Gender; PJ 2900 Ethical Issues in Peace and Justice; and five other courses in Peace and Justice, courses cross-listed by Peace and Justice, or courses otherwise earning Peace and Justice credit. No more than three foundational courses may receive credit for the minor.

See the Web site address above for more information.

Philosophy

Chair: John Carvalho, Ph.D.
Office: 108 St. Augustine Center for the Liberal Arts
610-519-4690
Web site: <http://www.villanova.edu/artsci/philosophy/>
Course descriptions: <http://www.villanova.edu/artsci/philosophy/courses/>

MAJOR: In addition to fulfilling the College Core Requirement, PHL 1000 Knowledge, Reality, Self, students can complete the requirements for a

Philosophy Major by taking 10 additional Philosophy courses. These courses must include the following.

(1) Three courses in the History of Philosophy sequence:

- PHI 3020 History of Ancient Philosophy
- PHI 3030 History of Medieval Philosophy
- PHI 3040 History of Early Modern Philosophy

(With the approval of the Chair of the Department, upper division electives in Ancient, Medieval, and Modern Philosophy as well as Topics courses offered in Philosophy and Honors may substitute for the courses in this sequence.)

(2) Five additional upper-division electives (course numbered 2010 or higher)

(3) Two capstone courses in one of the following combinations

(A) One course numbered PHI 5000: Advanced Seminar in Philosophy and One course numbered PHI 6000: Research Seminar

(B) Two courses numbered PHI 5000: Advanced Seminar in Philosophy

• **Students choosing to complete the capstone requirement with option (A) follow the Thesis Path to the major.**

On this path, the five additional upper-division electives are all “free,” and the guide to the major is the Thesis submitted to fulfill the requirements for PHI 6000: Research Seminar. The topic for the Thesis is worked out by the student in consultation with a full-time member of the Philosophy Department faculty who serves as an advisor. Preparations for the thesis project should begin in the semester before its expected completion.

• **Students choosing to complete the capstone requirement with option (B) follow the Track Path to the major.**

On this path, at least three of the five additional upper-division electives must come from courses assigned to one of seven Tracks: Cognitive Studies, Continental Philosophy, Cultural Studies, History of Philosophy, Philosophy

and Religion, Pre-Law, Social & Political Philosophy and Ethics. The guide to the major on this path is the Track and the courses assigned to it. Any remaining electives are “free.”

MINOR: Students can minor in Philosophy by taking any five upper-division (numbered 2010 or higher) courses offered by the Philosophy Department including PHI 1000, required to complete the College Core Requirement, but including no more than two courses from the following list: PHI 1000, PHI 2010, PHI 2030, PHI 2115, PHI 2150.

DOUBLE MAJORS: Because of the interdisciplinary nature of Philosophy studies, the Department welcomes and encourages students who want to combine their philosophy major with a major in another discipline. In order to facilitate this goal, Philosophy double majors can (with the permission of the Chair of the Philosophy Department) count up to two cognate or related courses from the second major toward fulfilling the Philosophy Major requirements.

See the Web site address above for more information.

Physics

Chair: Philip Maurone, Ph.D.
Office: 347 Mendel Science Center
610-519-4860
Web site: <http://www.villanova.edu/artsci/physics/>
Course descriptions: <http://www.artsci.villanova.edu/courses/physics.html>

Physics: The Fundamentals of Matter, Energy, Space, Time, and Interactions

Physics is an experimental science in which its practitioners investigate nature at the most fundamental level on scales ranging from subatomic distances to the size of the universe. It is a quest to understand the origin and behavior of all forces: forces that account for the observed stability and in some cases instability of the atomic nucleus; forces that account for the stability of the atom; and forces that account for the stability of matter and the large scale structure of the universe. In this sense, it is the most fundamental of the physical sciences, and the successful physics student will be adept at solving problems using techniques that probe the fundamental building blocks of nature.

Being trained to analyze phenomena at the most fundamental level makes the physics major versatile. Therefore, the student who successfully completes the degree in physics will not only be well prepared for graduate studies in physics, but also for employment in research oriented industries or study in professional fields.

Requirements

The B.S. in Physics

For the student who wants to be a professional physicist or go on to graduate school in physics. The minimum requirement is 136 credits. There is a senior research option.

The B.A. in Physics

For students who want to minor in another science or engineering or who are planning employment or graduate studies outside the sciences in fields such as medicine, law, business, journalism, secondary school teaching, etc. Instead of the normal advanced courses in physics, the candidate uses these slots for the minor in another area. The minimum requirement is 136 credits.

The Minor in Physics

The Physics Department offers a minor in physics to qualified students whose major area of study lies outside of physics. In general, a student in any area of study, other than physics, may obtain a minor in physics. Sixteen credits in the University Physics sequence, Physics 2410-2417, and 15 additional credits of upper-level physics electives

The Minor in Applied Physics for Math Majors

All the Math courses required for the Math degree, plus MAT 4310, PHY 2410/II through PHY 2416/17, PHY 3310/3311, and PHY 4301/4303.

The details of all the above programs, including course descriptions, can be found at the Web site listed above.

Political Science

Chair:	A. Maria Toyoda, Ph.D.
Office:	202 St. Augustine Center for the Liberal Arts 610-519-4710
Web site:	http://www.villanova.edu/artsci/psc/
Course descriptions:	http://www.artsci.villanova.edu/courses/psc.html

MAJOR: Thirty credit hours in political science courses are required for a major including American Government (PSC 1100), International Relations (PSC 1200), research seminar (PSC 1900), and a senior seminar (PSC 6900), restricted to Political Science senior majors.

Elective courses are divided into three areas:

- American Government and Public Law (2000 and 3000 level)
- Comparative Government and International Relations (4000 and 5000 level)
- Political Theory and Behavior (6000-6875)

Political Science majors must take one course from each area in order to meet our I-I-I distribution requirement. With the exception of internships (up to 6 credits), courses taken on a satisfactory/unsatisfactory basis cannot be used to satisfy requirements for the major.

Any senior with a GPA of 3.0 or above may request to take a graduate PSC course. A junior may apply for the five year BA/MA program.

CERTIFICATES and CONCENTRATIONS WITHIN THE MAJOR: A political science major may choose to earn one or more certificates or concentrations within political science in International Relations, Comparative Politics, Pre-Law, American Politics, Public Administration, Political Theory, and National Security Studies. Students satisfying the requirements for these receive a document testifying to this with their diploma at graduation. The certificate or concentration does not appear on the student's transcript.

Please see <http://www.villanova.edu/artsci/psc/> for details about the five-year BA/MA program, certificates, and other PSC programs.

MINOR: Fifteen credits consisting of American Government (PSC 1100), International Relations (PSC 1200), plus any three advanced PSC courses numbered 2000 and above will earn a student a minor in Political Sciences. With the exception of a 3 credit internship, courses taken on a satisfactory/unsatisfactory basis cannot be used to satisfy requirements for the minor.

See the Web site address above for more information.

Portuguese

Chair: Mercedes Juliá, Ph. D.
Program Coordinator: Celeste Mann, MA
Office: 303 St. Augustine Center for the Liberal Arts
610-519-7478
Web site: <http://www.villanova.edu/artsci/romancelanglit/portuguese>

The College will offer Portuguese I in fall 2010, Introduction to Portuguese II in spring 2011, Intermediate Portuguese I in fall 2011, and Intermediate Portuguese II in spring 2012. These four semesters of Portuguese will satisfy the College's requirement for foreign languages. The Portuguese requirements are just like that of Spanish.

Latin American Studies is funding this initiative with close co-sponsorship from the Chair of the Department of Romance Languages and Literatures, Mercedes Julia, Ph.D. For more information, please contact Satya Pattnayak at satya.pattnayak@villanova.edu.

Psychology

Chair: Thomas C. Toppino, Ph.D.
Office: 334 Tolentine Hall
610-519-4722
Web site: <http://www.villanova.edu/artsci/psychology/>
Course descriptions: <http://www.artsci.villanova.edu/courses/psychology.html>

Psychology is the basic and applied science of mind and behavior. Psychologists use the methods of both natural and social science to advance our knowledge and understanding of thought, emotion, and behavior in humans and other

organisms. Psychologists also apply this knowledge to improve the conditions of individuals and society.

Acceptance: To choose psychology as a major, a student must have completed General Psychology (PSY 1000 or HON 1811) or have AP credit for General Psychology. In addition, a student must have a grade of C+ or higher in General Psychology or have an overall QPA of 3.00 or higher. Because of course prerequisites, students should expect that completion of the major will require at least four semesters after their formal declaration of the major.

MAJOR: PSY 1000 General Psychology plus 28 additional credits including PSY 4000 Statistics, 4050 Research Methods, 4100 Foundations of Modern Psychology or 4125 Contemporary Issues in Psychology, 4150 Seminar in Professional Development, 4200 Physiological Psychology, 4500 Cognitive Psychology, and 12 elective credits (four electives). PSY 4000 Statistics and 4050 Research Methods are prerequisites for many upper level Psychology courses (PSY 4100 and above). Students who contemplate majoring in psychology may begin the major early by taking PSY 1000 General Psychology, plus any elective courses for which PSY 1000 General Psychology is the only prerequisite.

MINOR: PSY 1000 General Psychology plus any combination of 12 undergraduate credits in psychology.

Courses taken on a satisfactory/unsatisfactory basis cannot be used to satisfy requirements for the major or minor. PSY 1000 General Psychology is a prerequisite for all other courses in psychology.

See the Web site address above for more information.

Romance Languages and Literatures

Chair: Mercedes Juliá, Ph.D.
Office: 303 St. Augustine Center for the Liberal Arts
610-519-4680
Web site: <http://www.villanova.edu/artsci/modernlanglit/>

MAJORS: Majors in French and Francophone Studies, Italian, or Spanish are required to take 10 courses above the intermediate level. Once a sequence of

language courses has begun, a student may not revert to a lower-level course. This does not apply to upper-level courses (above 1132). Majors in Italian, must satisfy a one-semester research requirement by enrolling in either ITALIAN 3211 or 3212. FRE 2001 or FRE 2002 is required of all majors in French and Francophone Studies. For majors in Spanish, SPA 1138 or SPA 2400, SPA 2100 or SPA 2212 and SPA 3950 are required.

MINORS: Students may minor in **French and Francophone Studies, Italian, or Spanish**. Four courses above the intermediate level in the language are required.

The Department also offers literature courses in English translation. Such courses may be used to fulfill a Humanities elective; however, they may not be used toward credit requirements for a language major or minor. An upper-level literature course in any language taught in the Department may count for the minor in a language.

Students may obtain six credits through Villanova summer programs abroad in France, Italy, Chile, and Spain.

See the Web site address above for more information.

Russian Area Studies Concentration

Director: Lynne Harnett, Ph.D.
Office: 437 St. Augustine Center for the Liberal Arts
610-519-7219
Web site: <http://www.villanova.edu/artsci/russianarea/>

The Russian Area Studies Concentration is open to all students enrolled in the University. The purpose of the concentration is to provide students with a multi-disciplinary comprehension of Russia through the study of this exciting and complex country's language, culture, history, politics, religion, and art.

CONCENTRATION: Two semesters of Russian at the intermediate level, or demonstrated proficiency at an equivalent level, plus 15 credit hours selected from among the following: HIS 3240, 3241, 3242, 4701; PSC 4401, 5351; RUS 1131, 1132, 3412, 4110, 4120, 4130, 4140, 4150; SAR 4007; THL 5510; and appropriate special topics courses in Economics as approved by the director.

In addition, students are required to produce a senior research project. This research project offers an opportunity for students to synthesize knowledge obtained in the electives as they engage a topic of particular interest.

See the Web site address above for more information.

Russian Minor

Director:	Maghan Keita, Ph.D.
Office:	36 Garey Hall 610-519-6302
Program Coordinator:	Boris Briker, Ph.D.
Office:	332 St. Augustine Center for the Liberal Arts
Web site:	http://www.villanova.edu/artsci/global/
Course Descriptions:	http://www.villanova.edu/artsci/global/criticallangs/russian/courses.htm

MINOR: The minor in Russian Language and Cultural Studies requires four courses in Russian language through the intermediate level: RUS 1111-Introduction to Russian I, RUS 1112-Introduction to Russian II, RUS 1123-Intermediate Russian, RUS 1124-Intermediate Russian II.

In addition, the minor requires two courses above the Intermediate level, such as: RUS 1131 Conversation & Composition, RUS 1132 Advanced Conversation & Composition, RUS 5900 Russian: Independent Study.

Courses taught in English do not satisfy the requirements for a minor in Russian unless special permission is given by the Director of the Institute for Global Interdisciplinary Studies.

Courses taught in English include:

RUS 3412	Special Topics: Russian Film
RUS 3412	Special Topics: Russian Culture in Context (Study Abroad Course)
RUS 4120	The Russian Short Story
RUS 4130	The Russian Novel
RUS 4140	The Russian Novel II

See the Web site address above for more information.

Sociology

Chair:	Thomas Arvanites, Ph.D.
Office:	204 St. Augustine Center for the Liberal Arts 610-519-4740
Web site:	http://www.villanova.edu/artsci/sociology/
Course descriptions:	http://www.artsci.villanova.edu/courses/sociology.html

Acceptance: To select Sociology as a major a student must have earned a “C” or better in SOC 1000, Introduction to Sociology. Because of the major requirements, students must allow three full semesters after the declaration of the major to complete all requirements.

- **Required Courses:**

SOC 1000 Introduction to Sociology
SOC 6500 Senior Seminar

- **One of the following:**

SOC 5000 Nature and History of Sociological Theory
SOC 5050 Sociological Theory and Research
SOC 5100 Contemporary Theory and Research

- **One of the following:**

SOC 5300 Data Analysis for Social Scientists
SOC 5400 Applied Research Methods in Sociology
CRJ 5200 Criminal Justice Research and Statistics

- **Six Sociology or Criminal Justice courses** (not including CRJ 1000 or CRJ 3300)

MINOR: SOC 1000 and four other courses chosen from the offerings of the department. The student must inform the chair of his or her intention to minor and request certification of the minor when it has been completed.

A student may take an internship in a field setting in the second semester of the junior year or during the senior year. Students should consult with the Chair and Director of the Internship Program.

See the Web site address above for more information.

Spanish

Chair:	Mercedes Juliá, Ph.D.
Program Coordinator:	Carmen Peraita, Ph.D.
Office:	303 St. Augustine Center for the Liberal Arts 610-519-7478
Web site:	http://www.villanova.edu/artsci/modernlanglit/spanish/
Course descriptions:	http://www.artsci.villanova.edu/courses/spanish.html

MAJOR: Majors in Spanish are required to take 10 courses above the intermediate level (I122). Once a sequence of language courses has begun, a student may not revert to a lower-level course. This does not apply to upper-level courses (beyond I132). SPA I138 or SPA 2400, SPA 2211 or SPA 2212 and SPA 3950 are required of all majors.

MINOR: For a minor in Spanish, four courses above the intermediate level in the language, including SPA I131 and I132 are required.

The Department of Romance Languages and Literatures also offers literature courses in English translation. Such courses may be used to fulfill a Humanities elective; however, they may not be used toward credit requirements for a language major or minor. An upper-level literature course in any language taught in the Department may count for the minor in a language.

Students may obtain up to six credits through the Villanova summer programs in Valparaíso (Chile) and Cádiz (Spain).

See the Web site address above for more information.

Teacher Certification

Chair:	Edward G. Fierros, Ph.D. Department of Education and Counseling
Office:	205 St. Augustine Center for the Liberal Arts 610-519-4620
Web site:	http://www.villanova.edu/artsci/education/teachercert/

Villanova University's secondary teacher education program is approved by the Pennsylvania Department of Education as satisfying the requirements for

teacher certification in 14 subject areas. Students with majors in departments other than Education and Counseling may be admitted to the teacher education program upon the approval of the Undergraduate Committee. Students admitted to the teacher education program must complete the same requirements as Education majors, including three, one-credit workshops in special education, and student teaching. Student Teaching is normally taken in the second semester of the senior year. Undeclared Arts students who may be interested in Secondary Teacher Certification should stop by the Office of Education and Counseling, 302 St. Augustine Center for the Liberal Arts, as soon as possible. Students enrolled in the Teacher Education Program will have their work reviewed each semester by a department committee to determine progress and professional development for certification. Students must achieve a 3.0 overall GPA and successful completion of Praxis I before they are permitted to do student teaching. Students who do not achieve the required cumulative average by spring semester senior year will not be allowed to continue in the education major.

Upon successful completion of the major required certification courses, special education workshops, and the Praxis I, and II exams, the student will be eligible for certification.

Theatre Minor

Chair:	Rev. David Cregan, O.S.A., Ph.D.
Office:	205 St. Augustine Center for the Liberal Arts 610-519-4760
Web site:	http://www.villanova.edu/artsci/theatre/academics/ undergraduate/
Course descriptions:	http://www.villanova.edu/artsci/theatre/academics/ undergraduate/courses.htm

MINOR: Students may fulfill a Theatre Minor by completing five theatre courses (three required/two elective) and a theatre practicum. Interested students should request further information through the Theatre Department Office in the St. Augustine Center for the Liberal Arts, Room 205.

Any student may educate himself/herself in the art and craft of theatre through electives and through participation in the department's theatrical productions.

Auditions and backstage positions are open to all undergraduates for the entire academic theatre season.

See the Web site address above for more information.

Theology and Religious Studies

Chair:	Bernard P. Prusak, J.C.D.
Office:	203 St. Augustine Center for the Liberal Arts 610-519-4730
Web site:	http://www.villanova.edu/artsci/theology/
Course descriptions:	http://www.artsci.villanova.edu/courses/theology.html

The department understands Christian theology to be “faith seeking understanding,” a process of critical reflection upon the life of faith. As a department likewise committed to religious studies, we aim to instill an understanding of Christian faith and of religion that is consonant with an appreciation of contemporary religious and cultural pluralism.

MAJOR: Thirty-three credit hours including the required introductory course, THL 1000 Christian Faith and Life.

Eighteen credit hours are to be taken from among the following:

- One Course in Biblical Studies: any course numbered from THL 2000 to THL 2480.
- One Course in Historical Studies: any course numbered from THL 2500 to THL 2900.
- Theological Studies: THL 3200: Understanding Jesus the Christ.
- One Course in Studies in Christian Living: any course numbered from THL 4100 to THL 4690.
- One Course in Religious and Cultural Studies: any course numbered from THL 5100 to THL 5285.
- Advanced Seminar, THL 6500

Twelve credit hours are to be taken from other departmental offerings in consultation with the student’s Academic Advisor.

MINOR: Eighteen credit hours inclusive of the required introductory course (THL 1000). All courses required for the major are highly recommended for minors.

THL 1000 is a prerequisite for all other courses in Theology and Religious Studies.

See the Web site address above for more information.

Writing and Rhetoric Concentration

Director: Karyn Hollis, Ph.D.

Office: 458 St. Augustine Center for the Liberal Arts
610-519-7872

Web site: <http://www.villanova.edu/artsci/writingrhetoric/>

ACCEPTANCE: Students must have a 3.0 average or better to enroll in the concentration. An entrance essay must be submitted and will be scored in terms of purpose, content, style and organization. A base score must be attained.

The Concentration in Writing and Rhetoric provides students with a programmatic option for developing excellence in writing and speaking skills. The Concentration is open to students from all colleges in all majors.

CONCENTRATION: By the end of the first semester in the Concentration, students will have studied for and passed a self-administered WebCT exam covering principles of Standard Edited English, a style sheet, and other rules of grammar, punctuation and mechanics.

By the end of the student's senior year, a "capstone" portfolio will be submitted to the director representing the range and quality of the student's writing. This portfolio will be in the format of a "clip book" suitable for presentation to potential employers and will contain any published materials the student has written while in the Concentration. A similar E-Portfolio of student work displayed on the Internet is also required.

To successfully complete the Concentration, students must achieve a 3.0 average in their Concentration courses. Students must complete 24 credit hours. All courses are to be writing enriched or writing intensive, including:

- Three courses in Writing Practice at the intermediate or advanced level from the list of approved courses
- Two courses in theory of composition, history of language, rhetorical theory or history and critical theory
- Two writing enriched or writing intensive upper-level English courses
- One practicum course

MINOR: 18 credit hours in advanced courses, numbered 2000 or above. All courses are to be writing enriched or writing intensive, including:

- Three courses in writing practice from the approved list
- Two courses in theory of composition, rhetorical theory or critical theory
- One writing enriched or writing intensive English literature course at the 2100 level or above.

See Web site for list of approved courses and additional requirements.

Part VII: University Academic Policies

Academic Integrity:

<http://www.villanova.edu/vpaa/office/facultyservices/policies/integrity/index.htm>

Attendance:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/attendance.htm>

<http://www.villanova.edu/vpaa/office/studentsservices/policies/course regulations.htm>

Snow Policy:

<http://www.villanova.edu/vpaa/office/facultyservices/policies/snow.htm>

Religious Holidays:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/religiousholidays.htm>

Academics:

Academic Standing:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/standing.htm>

Probation:

<http://www.villanova.edu/enroll/registrar/grades/policy/probation.htm>

Academic Progress:

<http://www.villanova.edu/enroll/registrar/grades/policy/progress.htm>

Dean's List:

http://www.villanova.edu/enroll/registrar/grades/policy/deans_list.htm

Academic Dismissal:

<http://www.villanova.edu/vpaa/office/facultyservices/policies/dismissal.htm>

Scholastic Load:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/scholastic.htm>

Drop/Add:

http://www.villanova.edu/enroll/registrar/grades/policy/drop_add_wd.htm

Withdrawal From a Course:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/coursewithdrawal.htm>

Transfer Credit From Another Institution:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/transfer.htm>

Residency Requirement:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/residence.htm>

Grading:

Grades and Assessment:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/grades.htm>

Grade changes:

<http://www.villanova.edu/enroll/registrar/grades/policy/changes.htm>

Grade Appeals:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/gradeappeals.htm>

Grade Point Average:

<http://www.villanova.edu/enroll/registrar/grades/policy/gpa.htm>

Grades Defined:

<http://www.villanova.edu/enroll/registrar/grades/policy/defined.htm>

Satisfactory/Unsatisfactory:

http://www.villanova.edu/enroll/registrar/grades/policy/satisfactory_un.htm

Valid Grades:

<http://www.villanova.edu/enroll/registrar/grades/policy/valid.htm>

Discloser of Student Records:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/disclosure.htm>

Final Exams and Finals Week:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/conflict.htm>

Leaves:

Leave of Absence:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/absence.htm>

Medical Leave of Absence:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/medicalleaveabsence.htm>

University Withdrawal:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/universitywithdrawal.htm>

Unauthorized Withdrawal:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/unauthorized.htm>

Students of Concern:

<http://www.villanova.edu/vpaa/office/facultyservices/policies/StudentsofConcern.htm>

Confidentiality:

<http://www.villanova.edu/enroll/registrar/confidentiality/>

Undergraduates Taking Graduate Level Courses:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/undergradsguatecourses.htm>

Unauthorized Withdrawal:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/unauthorized.htm>

Students With Disabilities:

<http://www.villanova.edu/vpaa/office/studentsservices/policies/disabilities.htm>

Refunds:

<http://www.villanova.edu/finance/bursar/refunds/schedule.htm>

Walkers at Commencement:

<http://www.villanova.edu/vpaa/office/facultyservices/policies/walkers.htm>

Academic Policies in the College:

Double Majors Applications to request a double major are available in the Office for Undergraduate Students (OUS). The completed form must be approved by the Department Chair of the second major and submitted to OUS. Students may not double major in both Comprehensive Science and in another science.

Closed Sections Students will not be permitted to enroll in closed sections. Exceptions to this rule will be made only by the chairperson of the academic department offering the course. If other sections or other courses are available to satisfy the degree requirements, then the exception will not be granted. Student employment conflict is not a legitimate reason for admittance to a closed section.

Dropping/Adding Courses During the first week of each semester, students are given the option of dropping or adding courses by using their pin number and going online through Novasis, or by completion of a paper form available in the Office for Undergraduate Students. The drops do not appear on a student's transcript. After this period, students may withdraw from courses (WX with

approval during WX period, W after WX period) but may not add a course. These courses will appear on the student's transcript.

Credit by Exam To encourage independent study and recognize personal knowledge and mastery of a subject matter, Villanova University provides qualified matriculated students with the opportunity to “test out” of certain courses. The student who successfully passes such an examination satisfies the requirements of and earns the credit for the respective course. For more information, see the Web site at <http://www.villanova.edu/artsci/college/academics/undergrad/challengeexam/>.

Online and Distance Learning Courses The availability to enroll in DL courses for current Liberal Arts and Science undergraduate students is limited to sophomores, juniors, and seniors with a GPA of 2.75 and above. Students studying abroad may not take Distance Learning courses in addition to their approved curriculum. The College will accept up to a maximum of four courses, commonly referred to as distance learning or online courses, taken at Villanova or at another accredited college or university toward a degree program within the college. Students may not take an online course at another institution if the same course is offered on line by Villanova. The College reserves the right to test the student in order to assess the outcome of that course. The prior approval form to allow students to take DL courses is available in the Office for Undergraduate Students.

Fast Forward Courses Transfer Credit will not be awarded for Accelerated or Fast Forward courses. In order for a non-professional three-credit course to be considered for transfer credit, the course must have met on at least 15 different days and with a minimum total meeting time of at least 37 hours. For courses in question, the student must provide documentation stating the manner in which the course was taught along with the official transcript. Courses in professional studies will be evaluated on a case-by-case basis. The College reserves the right to test students to assess course outcomes.

Evening and One Night a Week Courses No students may enroll in introductory survey courses (i.e. 1040, 1050, 1051) that meet one night a week. Students who have completed 45 credit hours may request permission to register for advanced courses that meet one night a week in the evening by completing the “Permission To Enroll in Restricted Evening Courses Form” before their enrollment day and time assigned by the Registrar each semester. The form is available in the Office for Undergraduate Students.

Part VII: The Grading System

A. Grade Definitions and Values

GRADE	VALUE PER CREDIT	QUALITY POINTS (3 CREDIT CLASS)
A EXCELLENT	4.00	12.00
A-	3.67	11.01
B +	3.33	9.99
B GOOD	3.00	9.00
B-	2.67	8.01
C+	2.33	6.99
C FAIR	2.00	6.00
C-	1.67	5.01
D+	1.33	3.99
D PASSING	1.00	3.00
D-	0.67	2.01
F FAILURE	0.00	0.00

AP	Advanced Placement
AU	Audit
CE	Credit by Examination
IB	International Baccalaureate
N	Incomplete
NG	No Grade Reported
NF	Unchanged Incomplete (counted as an F for the GPA)
S	Satisfactory: Assigned in Satisfactory/Unsatisfactory Courses
SP	Satisfactory Progress (Mid-Semester Grade Only)
T	Transfer Credits
U	Unsatisfactory: Assigned in Satisfactory/Unsatisfactory Courses
W	Approved Withdrawal with Academic Penalty (counted as an F for the GPA)
WX	Approved Withdrawal without Academic Penalty
Y	Unofficial Withdrawal from Course (or for freshman, failure for excessive absences counted as an F for the GPA)

B. Grade Reports

Grade reports are computed at the middle and end of each semester. However, only the grade report at the end of the semester is part of the student's permanent record. These reports are available to students online through their NOVASIS account. Students are directed to <http://villanova.edu/vpaa/office/catalog> for a

complete description of the University Grading System. Any inaccuracy in this record must be reported to the Office of the Registrar within two weeks of its receipt; otherwise, the grade will stand as it is.

C. Grade Point Average (GPA)

In addition to passing all required courses, a cumulative grade point average (GPA) of at least 2.0 is necessary for graduation. For science students, a Technical GPA of at least 2.0 is also required. For Arts students, some majors may also require a minimum GPA for all courses that are used to meet the major requirements. Grades for all courses taken at Villanova University (except S/U grades and WXs) are calculated in the GPA. If a course is repeated, then both grades are included in the computation. If a transfer course is accepted to fulfill a requirement for a failed Villanova University course, then the failed Villanova course is still included in the GPA computation. The grade point average is determined by taking the number of credits for each course times the quality points earned and dividing the total quality points by the total credit hours attempted.

D. Example of GPA Calculation

GPA = Total Attempted Credits x Total Quality Points

Course Grade	Credits	Quality	Points
Course #1	B	3	9.00
Course #2	C	3	6.00
Course #3	C	3	6.00
Course #4	C	3	6.00
Course #5	F	3	0.00

Total Attempted Credits: 15

Total Earned Credits: 12

Total Quality Points: 27

GPA = $27/15 = 1.80$

E. S/U Grades: Satisfactory/Unsatisfactory Option

Sophomores, juniors, and seniors may take one elective course a semester on a satisfactory/unsatisfactory basis. The “S” grade is the equivalent of a grade “C” or better. The satisfactory/unsatisfactory grade will be shown on the transcript but will not be reflected in the quality-point average. Failures in the satisfactory/unsatisfactory option need not be repeated.

The satisfactory/unsatisfactory (S/U) option may not be used for courses that fulfill core, major, or minor requirements, but individual departments may offer the major seminar on a satisfactory/unsatisfactory basis. A student must declare election of the S/U option by the end of the drop/add period by using the paper form available in the Office for Undergraduate Students and in the Office of the Registrar. Only one course a semester may be taken S/U.

F. Auditing a Course (AU)

Courses may be audited only with the instructor's consent by obtaining his or her signature on the proper form available in the Office for Undergraduate Students and in the Registrar's Office before the end of the drop/add period (the first week of class). The student must attend all classes and labs and participate in class in the manner expected of all students. ***Failure to comply may result in an authorized withdrawal (WX) from the course at the instructor's discretion.*** A student auditing a course will not be responsible for assignments or examinations, and no academic credit is earned for auditing a course. However, audited courses are noted on the student's official record by AU. A course taken for audit is counted as a course for course overload purposes.

G. Incomplete Grades, N and NG

All grades are permanent, except N and NG, which are temporary grades used to indicate that a student's work in a course has not been completed. An N or NG grade must be removed and a grade substituted according to the following schedule, or it automatically becomes an NF and is computed into the GPA as an F.

For the Fall Semester: Students must submit all work to the instructor by the last Friday in January; grade changes must be submitted to the Registrar's Office by the second Friday in February.

For the Spring Semester: Students must submit all work to the instructor by the last Friday in June; grade changes must be submitted to the Registrar's Office by the second Friday in July.

A student may also receive an N for missing a final examination if the student reports a serious medical reason (or other reason certified by the Assistant Dean for Undergraduate Students as acceptable) within 48 hours of the time of the examination. Otherwise, an F grade must be reported. The student may report the reason for absence to the instructor, the department chair, or the

Assistant Dean for Undergraduate Students. The University policy may be found at <http://www.villanova.edu/vpaa/office/catalog>

H. WX Grade

The grade WX indicates an authorized withdrawal; the grade is not considered in the calculation of the GPA. The last day for Authorized Withdrawal Without Academic Penalty (WX grade) is published on the official University calendar and usually occurs after mid-term grades have been submitted and during the academic advising and course selection period for the upcoming semester. Authorization for such withdrawal may be given only by the Assistant Dean for Undergraduate Students.

I. F Grade

Required courses carrying a final grade of F must be repeated unless the student transfers to another college of the University where the course for which the F grade was received is not a requirement for the degree. The reasons for student deficiencies are reported by the faculty member at mid-semester and at the end of the semester to the Dean of the student's college.

J. W Grade

Withdrawal after the official deadline is indicated by a W grade, withdrawal with academic penalty. The grade is calculated as an F in determining the GPA.

K. Y Grade

The grade Y is given when a student unofficially withdraws from a course (usually stops attending class). It is reflected in the grade point average (GPA) as an F. If a course is repeated, then the grades in both courses will be included in the GPA calculation. **A first-year student** will receive a grade of Y (failure) whenever the number of unexcused absences in a course exceeds twice the number of weekly class meetings for the course.

Part IX: Matriculation Requirements

A. Required Units for Admission

Although individual consideration is given to each applicant, it is expected that all applicants, except in the most unusual circumstances, will minimally satisfy the unit requirements listed below. A unit represents a year's work.

For Arts Curricula:

English	4	Mathematics	3
Foreign Language	2	Science	1
History or Social Science	2	Electives	3

For Science and Mathematics Curricula:

English	4	Foreign Language	2
Chemistry	1	Physics	1
Mathematics	4	Electives	4

B. Advanced Placement and International Baccalaureate Credit

Students should request that the College Board send AP scores to Villanova University (our code is 2959). AP scores are received in the Registrar's Office and forwarded to our Office for Undergraduate Students, where the determination on credit is made. Most AP scores for incoming freshmen reach Villanova by mid-July. If the scores are received before freshmen classes begin, a representative of the Assistant Dean for Undergraduate Students' Office will communicate with the student and authorize the Registrar's Office to post the appropriate credit to the academic record. For scores received after classes begin, this representative will simply direct the Registrar to add any credit they approve. AP credits appear in the "Transfer Credit" area of the student record.

Incoming students who have taken Advanced Placement (AP) or International Baccalaureate Higher Level (IB) exams should inform their Academic Advisor and should report to the Dean's Office during the first week of classes to verify Villanova's receipt of the official scores and to ensure that proper adjustments have been made to their academic record. In some instances scores are sent to the Villanova Registrar after courses have been assigned based on the student's response to the Incoming Students Questionnaire.

The guidelines for granting credit for courses that are equivalent are shown on the following page. The following is the list of tests and scores and their application to the baccalaureate degree.

PART IX: MATRICULATION REQUIREMENTS

The first table is a list of AP tests; the second is a list of Higher Level IB tests and scores.

Advanced Placement 2011 – 2012 Subject-Test Number	Score of 3		Score 4 or 5	
	Courses	Cr.	Courses	Cr.
American History (07)			HIS 2000 HIS 2001	3 3
Studio Art (14)			Placement Only	
Studio Art (15)			Placement Only	
Biology (20)			BIO 2105 BIO 2106	4 4
Calculus AB (66)			MAT 1500 MAT 1505	4 4
Calculus BC (68)			MAT 1500 MAT 1505	4 4
Calculus SubGrade (69)			MAT 1500 MAT 1505	4 4
Chemistry (25)			CHM 1103 CHM 1104 CHM 1151 CHM 1152	1 1 4 4
Chinese Language & Culture (28)			CHI-1111 CHI-1112	6 6
Classics: Virgil (60)			LAT 1121	3
Classics: Horace Catullus (61)			LAT 1122	3
Computer Science A (31)			CSC 1051	4
Economics: Micro (34)			ECO 1001	3
Economics: Macro (35)			ECO 1002	3
English Language and Composition (36)			ENG 1050	3
English Literature & Composition (37)			ENG 1050	3
European History (43)			HIS-3095 HIS-3995	3 3
Environmental Science (40)			BIO 1555	4
History of Art (13)			AAH 1101 AAH 1102	3 3
Human Geography (53)			GEV 1001	3
Japanese Language & Culture (64)			JPN-1111 JPN-1112	6 6
Physics C: Mechanics (80)			PHY 1100 PHY 1101	3 1
Physics C: Electromag (82)			PHY 1102 PHY 1103	3 1
Political Science (57)			PSC 1100	3
Political Science (58)			PSC-1875	3
Psychology (85)			PSY 1000	3
Romance Language French (48) or (51)	Placement Only		FRE 1121 FRE 1122	3 3
Romance Language German (55)	Placement Only		GER 1121 GER 1122	3 3
Romance Language Italian (62)	Placement Only		ITA 1121 ITA 1122	3 3
Romance Language Spanish (87) or (89)	Placement Only		SPA-1121 SPA-1122	3 3
Statistics (90)			MAT 1230	3
World History (93)			HIS 1040 HIS 1050	3 3

PART IX: MATRICULATION REQUIREMENTS

INTERNATIONAL BACCALAUREATE CREDIT AND COURSE EQUIVALENCE				
NOTE: CREDIT IS ONLY GIVEN FOR HIGHER LEVEL EXAMS				
SUBJECT	SCORE OF 5	CR	SCORE OF 6 OR 7	CR
ANTHROPOLOGY			SOC 2100, SOC 4000	6
BIOLOGY			BIO 2105, BIO 2106	8
CHEMISTRY			CHM 1151, CHM 1152	8 OR 10*
COMPUTER SCIENCE HL	CSC 1051	4	CSC 1051	4
INFORMATION TECHNOLOGY	CSC 1030	3	CSC 1030	3
ECONOMICS	ECO 1001, ECO 1002	6	ECO 1001, ECO 1002	6
ENGLISH	ENG 1050	3	ENG 1050	3
FRENCH A2 OR B	PLACEMENT	0	FRE 1121, FRE 1122	6
GEOGRAPHY	GEV 1001	3	GEV 1001	3
GERMAN A2 OR B	PLACEMENT	0	GER 1121, GER 1122	6
HISTORY AMERICAS		0	HIS 2000, HIS 2001	6
HISTORY EUROPE		0	HIS 3095, HIS 3995	6
ITALIAN A2 OR B	PLACEMENT	0	ITA 1121, 1122	6
LATIN	PLACEMENT	0	LAT 2031, LAT 2032	6
MATHEMATICS			MAT 1500	4
MATH FURTHER	MAT 1500	4	MAT 1500, MAT 1505	8
MUSIC			SAR 3000	3
PHILOSOPHY	PLACEMENT	0	PHI 1050, PHI 2950	6
PHYSICS			PHY 2410/11, PHY 2412/13	8
PSYCHOLOGY			PSY 1000	3
SPANISH A2 OR B	PLACEMENT		SPA 1121, SPA 1122	6

* Sample of lab work needed for approval of lab courses CHM 1103 and CHM 1104

C. College Courses Taken Prior to High School Graduation

College-level work done prior to high school graduation may be awarded transfer credits upon receipt in the Dean's Office of the following three documents:

- 1) An official letter from the college/university stating that the courses were taught on its campus by a member of the regular faculty, open to enrollment by and graded in competition with regularly matriculated undergraduates at the college, and a regular part of the normal curriculum published in the college catalog. **Courses taught at the high school will not be accepted;**
- 2) An official transcript from the college/university;
- 3) An official letter from the high school principal or guidance counselor describing the college-level program of study. Transfer credit will not be awarded for college level courses that are used to meet high school graduation requirements.

D. Foreign Language Placement

All students who decide to continue their study of French, German, Hebrew, Italian, Portuguese or Spanish from high school to fulfill the Core Curriculum requirement of two courses at or above the intermediate-level are required to complete the online language placement examination for the language in which they will enroll by *June 15*.

Please note: Advanced Placement (A.P.) credit does count toward the fulfillment of the Foreign Language Requirement in the Core Curriculum. Only a score of 4 or above can count toward fulfilling the Foreign Language Requirement. You may also use the score of 4 or higher to register for upper-level courses of that particular language. Please discuss this option with your academic advisor.

The online language placement examination consists of questions on vocabulary, grammar, and reading comprehension, and generally takes about 25 minutes to complete. The placement test is partial and only is used to place students in the proper language level.

Based on the results of the test and a number of other factors (such as the number of years of study of the language in high school, study or time abroad, etc.), the student will be placed at the appropriate level by professors of the language of choice and automatically registered for the appropriate course. For important additional information on the online placement exam and to take the online examination, please visit: <http://www.villanova.edu/artsci/romancelanglit/about/langrequirements/placementtest>

All students who decide to continue their study of Latin from high school to fulfill the Core Curriculum requirement of two courses at or above the intermediate-level should visit the following Web page for placement information: http://www.villanova.edu/artsci/classical/undergrad/language_requirement.htm

Please note that if **you have never studied French, Italian, Latin, Portuguese, or Spanish** and wish to do so to meet the Core Curriculum language requirement, you must register for the first semester introductory course of the language.

You do not have to take the online placement examination, but remember that in this case, you must *successfully complete four semesters of that language*. Please note that the German Program has been discontinued. German will only be offered at the Intermediate level.

As an **alternative** to meet the language requirement, students may choose the two-semester **introductory sequence in either Arabic, Chinese, Ancient Greek, Japanese, or Russian**. For the class of 2015, students can place out of the core language requirement in two ways: by receiving a 4 or 5 in the Advanced Placement test or by taking a comprehensive examination at the level of intermediate (or introductory level for Ancient Greek) in the language they wish to place out of. The examination is given three times: July 11, August 1, and August 19, 2011. For more information, please visit the Romance Languages Department Web site or the Classical Studies Program Web site (for Latin and Ancient Greek).

E. Mathematics Placement

The Core Curriculum requirement for all students in the College of Liberal Arts and Sciences is one course. Science majors and some others are required to take a two-semester sequence or more. Incoming students in the College of Liberal Arts and Sciences will normally take a Math or Statistics course in either the fall or spring semester of their first year. A student's potential choice of major and career plan affects his or her choice of Mathematics courses.

1. Health Professions, one of the following sequences:
 - Preferred: MAT 1310 and 1315, Calculus for Life Science Applications
 - MAT 1320 and 1325, Calculus for Liberal Arts
 - MAT 1500 and 1505, Calculus
2. The Sciences
 - Biology: MAT 1310 and 1315

- Chemistry, Computer Science, Comprehensive Science, Mathematics, Physics: MAT 1500 and 1505
3. Naval Science, one of the following sequences:
 - MAT 1500 and 1505, Calculus
 - MAT 1320 and 1325, Calculus for Liberal Arts
 - MAT 1310 and 1315, Calculus for Life Science Applications
 4. Business Minor
 - MAT 1230 and 1235, Introductory Statistics I and II
 5. Liberal Arts Students
 - One or more Math or Statistics courses. Some courses are specifically designed to satisfy the core math requirement for Arts majors, but other courses offered by the Department of Mathematical Sciences will satisfy the core requirement.

F. Transfer Credit Hours

Students who have taken college courses at another institution prior to attending Villanova, must present the necessary course descriptions and other documentation as needed to the Office for Undergraduate Students before or during their first semester at Villanova. Credit for courses taken at two year institutions (community colleges) will be considered for transfer only if the courses were taken prior to matriculation at Villanova. However, once a student has been matriculated at Villanova, no credits may be transferred from two-year institutions. Transfer credit will not be awarded for college level courses that are used to meet high school graduation requirements.

Courses will be given consideration for transfer credit only upon receipt of an official transcript sent by mail to the College, and, upon request, an official course description (e.g., from a course catalog). ***If such courses are not presented for evaluation during the first year, no future possibility for evaluation or credit will exist.*** Transfer credit will be awarded only for approved courses in which a student earns a grade of “C” or better. The actual grade received at the other institution (earned either before attending Villanova or earned during a summer) is not calculated into the student’s cumulative grade point average.

Transfer credits (along with AP credit) may be used for no more than half the courses required for the degree, no more than half the courses for the major, minor or concentration and no more than half the courses required for the

core curriculum. No more than four Web or distance learning courses may be applied to a student's degree. With the official transcript the transferring student must identify such courses that appear on their transcript. Transfer credit will not be awarded for Accelerated or Fast Forward courses. In order for a non professional three credit course to be considered for transfer credit the course must have met on at least 15 different days and with a minimum total meeting time of at least 37 hours. Intersession courses usually do not meet this criteria. For courses in question the student must provide documentation stating the manner in which the course was taught along with the official transcript. Courses in professional studies will be evaluated on a case-by case basis. The College reserves the right to test students to assess course outcomes. Transfer credit will be accepted only from institutions that are accredited by higher education regional accrediting agencies. For current A&S students, all courses for transfer must be approved before the course is taken.

G. Transferring Into the College of Liberal Arts and Sciences

Admission to the College of Liberal Arts and Sciences is competitive. The number of external transfer students accepted for any given semester is determined by the quota agreed to by the College as part of the Enrollment Management Planning Process. The quota includes not only External Transfer students but also Part-time Division transfers, internal transfer students from Villanova's Professional Schools, re-admits of students previously dismissed, and previously withdrawn students who wish to return to the College. The number varies from year to year.

1. External Transfer Students

Students wishing to transfer to the College of Liberal Arts and Sciences after having attended a college or university other than Villanova must submit a formal application to the Villanova University Office of Admissions. External Transfer applicants will be considered for admission if, at the time of matriculation at Villanova, they will have completed a minimum of eight courses of three credits or more with a grade of "C" or better, and have a grade point average (GPA) of at least 3.0., or have previously applied to the College of Liberal Arts and Sciences and were wait-listed. In addition, the applicant must indicate if he/she is also applying to another VU college. Applications who do not meet these minimum qualifications will not have their transfer application accepted for review. Applications must be received by June 1. Applicants must also submit an academic plan that indicates a direction for future studies with reference to specific academic programs offered by the College of Liberal Arts and Sciences and identifies a major to be pursued. Students intending to transfer more than

fifteen courses must apply to and be accepted into a major before matriculating. For the college courses taken at another institution prior to attending Villanova applicants must present the necessary course descriptions and other documentation needed for review and credit acceptance. An official transcript must be sent directly by mail to the Office for Undergraduate Students. In addition, upon request, the applicant must provide official course descriptions, e.g., from a course catalog. If such courses and other requested documentation are not presented for evaluation during the application process or by the end of the first year of matriculation, no future possibility for evaluation or credit transfer will exist. ***Once a student has been matriculated at Villanova, no credits may be transferred from two-year institutions.*** External Transfer students must complete three academic semesters at Villanova before being eligible to study abroad during the academic year.

2. Regular Program Internal Transfer Students

Admission to the College is competitive and is based on seats available. The number of internal transfer students to be accepted for any given semester is determined by the projection of places available in introductory sections of Humanities courses for the upcoming semester.

Students seeking to transfer from other VU colleges and schools must do so by completing the form, Application to Enter the College of Liberal Arts and Sciences. The applicant also must read and sign the A&S Internal Transfer Policy sheet. In addition, the student must address why he/she is transferring from their current college and program, and indicate if he/she is also applying to another VU college. The application form and Transfer Policy Sheet are available on-line and in the Office for Undergraduate Students.

The deadline for application for internal transfer to the College of Liberal Arts and Science is the second Friday in May for the subsequent fall semester; and the second Friday in December for the upcoming spring semester.

Applicants will be notified of the decision either prior to or within one week after the application deadline. Primary notification will be by the student's Villanova email account.

The primary criterion for evaluation is academic performance while at Villanova. The minimum criteria for application to the College of Liberal Arts and Sciences for students who have completed only one or two semesters at Villanova is a high school profile that includes a minimum SAT score of 1235

and class standing in the top 15 percent; or a grade point average of 2.33 for all Arts courses taken at Villanova.

For all students who have completed three semesters or more at Villanova, the minimum required for application is a grade point average of 2.33 for all Arts courses taken and an academic plan that includes a direction for future studies with reference to specific academic programs offered by the College of Liberal Arts and Sciences.

Once a student has successfully completed two consecutive semesters in the College of Liberal Arts and Sciences and has attained a GPA greater than or equal to 2.50 in each semester, grades for the courses that do not ordinarily apply to the student's new Arts and Sciences curriculum may be excluded from the calculation of the student's GPA. The exclusion is not automatic. Students must petition the Assistant Dean for Undergraduate Students for the exclusion.

3. Part-time Division Transfer Students

The number of transfer students from the Part-time and Continuing Studies Division to be accepted for any given semester is part of the quota for External Transfers agreed to by the College as part of the Enrollment Management Planning Process. The number varies from year to year. Students seeking to transfer must do so by completing the form, Application to Enter the College of Liberal Arts and Sciences, from the Part-time Studies Division. Along with the form, the student must submit an academic plan that indicates a direction for future studies with reference to specific academic programs offered by the College of Liberal Arts and Sciences, and must read and sign the A&S Internal Transfer Policy sheet. In addition, the student must indicate if he/she is also applying to another VU college. The application form and Transfer Policy Sheet are available online and in the Office for Undergraduate Students, 107 St. Augustine.

The primary criterion for evaluation is academic performance while at Villanova. Students seeking to transfer from the Part-time Studies Division will be required at the time of application to have completed a minimum of eight VU courses of three credits or more with a grade of C or better in each and every course, and have a minimum grade point average of 3.0. Included in the eight courses must be a Math course and at least one semester of a foreign language.

PART IX: MATRICULATION REQUIREMENTS

Students who have completed more than fifteen courses of three credits or more must apply to and be accepted into a major before matriculating. Only a maximum of four Distance Learning courses and a maximum of four Fast Forward courses will be accepted toward the degree.

The deadline for application for a student seeking to transfer from the Part-time Studies Division is the last Friday in July for the subsequent fall semester; and the last Friday in December for the upcoming spring semester. Applicants will be notified of the decision either prior to or within one week of the application deadline. Primary notification will be by the student's Villanova e-mail account.

Part X: The Baccalaureate Degree

A. General Requirements

Every degree program in the College of Liberal Arts and Sciences is made up of three components: the Core Curriculum, Courses in the Major, and Free Electives. The Baccalaureate degree is awarded when the curriculum prescribed by the College for one or more of the various degree programs has been satisfied. Candidates for graduation must meet all of the following seven requirements:

- 1) A minimum of 40 courses of three or more credits and two labs (science degrees vary according to major), which include the successful completion of the Core Curriculum, academic major requirements, and free electives;
- 2) A cumulative GPA of at least 2.000. (Science students must also have a minimum technical grade point average of at least 2.000);
- 3) At least half of the Core Curriculum requirements must be fulfilled at Villanova University;
- 4) At least half of the requirements for the major must be fulfilled at Villanova University;
- 5) The final 30 credits of the degree program must be earned at Villanova University;
- 6) A minimum of 122 credit hours; and
- 7) At least 61 credits must be earned at Villanova University.

B. Degree Programs

Bachelor of Arts with majors in:

Arab and Islamic Studies	History
Art History	Humanities
Classical Studies**	Italian
Communication**	Latin American Studies
Criminal Justice	Liberal Arts
Cultural Studies	Liberal Studies**
Economics	Philosophy
Education**	Physics**
English	Political Science**
Environmental Studies	Psychology**
French and Francophone Studies	Sociology
Gender and Women's Studies	Spanish Studies**
Geography	Theology and Religious Studies**
Global Interdisciplinary Studies	

Bachelor of Arts, Honors

** Indicates the opportunity for integrated Bachelor's/Master's program

Bachelor of Science with majors in:

Astronomy and Astrophysics

Biology**

Biochemistry

Chemistry**

Comprehensive Science

Computer Science**

Environmental Science

Mathematics**

Physics

Bachelor of Science, Honors

** Indicates the opportunity for integrated Bachelor's/Master's program

C. Interdisciplinary Concentrations

In addition, interdisciplinary concentrations are available in:

Africana Studies

Augustine in Dialogue with Faith & Culture

Cognitive Science

East Asia Studies

Ethics

Honors (Arts)

Irish Studies

Peace and Justice

Russian Area Studies

Writing and Rhetoric

D. Minors

In addition to most of the above majors and concentrations, minors are also available in:

Aerospace Studies (Air Force ROTC)

Arabic

Business

Chinese

Japanese

Military Science (Army ROTC)

Naval Science (Navy and
Marine ROTC)

Russian

Theater

See Part VIII for detailed information on requirements for each of these degrees, interdisciplinary concentrations and minors. See the Part-time Studies Catalog for information on the Bachelor of Interdisciplinary Studies Degree (BIS), the Bachelor of Arts in General Arts, and the Associate Degrees.

E. Dean's List

At the end of the fall semester and at the end of the spring semester the College of Liberal Arts and Sciences officially recognizes its best students by including their names on the Dean's List. Inclusion on the list is a tribute to a student's hard work and superior academic performance. In an effort to retain the honor which is integral to membership on the list, the requirements for inclusion are justifiably rigorous.

In order to be named to the Dean's List, a full-time student in the College of Liberal Arts and Sciences must maintain a minimum semester GPA of 3.50. All students included on the list receive a congratulatory letter from the Dean following the conclusion of the fall and spring semesters. For the fall semester, letters are posted by the second Friday in February. For the spring semester, letters are posted the second Friday in July. These dates allow for grades of Incomplete to be changed upon the submission of outstanding work.

F. Graduation Honors

Graduation honors will be noted on the degrees of graduating students meeting the following requirements:

- 1) Summa cum laude.....minimum cumulative GPA of 3.90
- 2) Magna cum laude.....minimum cumulative GPA of 3.75
- 3) Cum laude.....minimum cumulative GPA of 3.50

G. Medallion of Excellence

Each department in the College of Liberal Arts and Sciences may nominate one graduating senior each year to receive a Medallion of Excellence. Generally, to be eligible for nomination, students must have earned a minimum of three fourths of their degree at Villanova in the College of Liberal Arts and Sciences and must have a minimum cumulative GPA of 3.50.

Each department has named its medallion either for a luminary from the past who has deeply affected the discipline or an outstanding person who helped to shape the course of study at Villanova University.

H. Phi Beta Kappa

Phi Beta Kappa is the National Honors Fraternity for colleges of liberal arts and sciences. It was founded at the College of William and Mary in 1776. Since that time, its rigorous and comprehensive standards have made election to it a premier sign of excellence.

Villanova's College of Liberal Arts and Science became one of the colleges to shelter a chapter when the Sigma Chapter of Phi Beta Kappa was installed at Villanova in April 1986. The Phi Beta Kappa standards reflect the highest ideals of liberal education at the College.

Juniors and seniors who are candidates for a degree in the College of Liberal Arts and Sciences, whose academic achievements reflect the goals of Phi Beta Kappa, and who meet the following specific criteria shall be eligible for consideration for election to Phi Beta Kappa:

- I. Candidates must have a GPA of at least 3.50 (3.80 to be elected as a junior).
2. At least three-fourths of a candidate's academic work must have been taken in the liberal arts and sciences, as distinct from applied or professional work.

In choosing candidates for election, the Chapter seeks evidence of academic achievement that is of exceptional distinction and gives weight to the breadth and the quality of the overall program of courses taken by each candidate.

Election to membership in Phi Beta Kappa is wholly within the discretion of the members of the Chapter, subject only to the limitations imposed by its Constitution and By-Laws. Fulfillment of the minimum qualifications does not assure election to the membership.

I. Graduation Ceremony

At the close of the academic year in May, the College of Liberal Arts and Sciences participates in the annual University Graduation Ceremony and hosts a special recognition ceremony and reception for all of its graduates and their families. Following the University Graduation, diplomas are distributed at a location listed in the annual Graduation Program.

J. Walk Through Graduation

Students who have no more than three courses remaining in order to complete their degree may apply at the Office for Undergraduate Students for permission to "walk" in graduation. Their name will not appear in the Graduation Program, but they are invited to participate in the College's recognition ceremony. Once the final courses have been completed and a grade entered, the Office of the Registrar will mail the diploma to the student at the address of record.

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This handbook was printed on recycled paper using environmentally responsible printing technologies.

What does “Enchiridion” mean?

The word “enchiridion” means handbook, a concise reference book providing specific information about a subject or location.

The *Enchiridion*, *Manual*, or *Handbook of Augustine of Hippo* is alternatively titled, Faith, Hope, and Love. The *Enchiridion* is a compact treatise on Christian piety, written in response to a request by an otherwise unknown person, named Laurentius, shortly after the death of Saint Jerome in 420. It is intended as a model for Christian instruction or catechesis.

As the title indicates, the work is organized according to the three graces necessary for the Christian worship of God: Faith, Hope, and Love. Under Faith, Augustine explains the use of the Apostles’ Creed, in teaching Christian doctrine and in refuting heresies. Under Hope, he briefly explains the Lord’s Prayer as a model of Christian prayer. The final part is a discourse on Christian love.

Our aim in the College of Liberal Arts and Sciences, while not as grand as St. Augustine’s, is to provide our students with a concise guide to the policies, procedures, and academic programs of the College. The *Enchiridion* is the official undergraduate student handbook of the College.

Above description taken from Wikipedia.

