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ENCHIRIDION

College of Liberal Arts and Sciences | Villanova University

UNDERGRADUATE HANDBOOK | 2012-2013

<http://www.villanova.edu/artsci>

The College of Liberal Arts and Sciences Medallion of Excellence



The Medallion .. designed specifically for the purpose of honoring those students who have excelled in their fields of study.

The Sun .. encircles and supports the other symbols of this medallion.

The Faces .. illuminated by the sun, represent all those who are receiving the medallion of excellence.

The Cross .. represents the nature and character of the College of Liberal Arts and Sciences, indeed of the entire university, one that is Christian and catholic in its view of education. It is the universal representation of victory over trial, pain, and suffering.

The Landscape .. represents the familial, social, and academic backgrounds of the recipients, powerful factors that influence behavior.

The Stars and the Moon .. symbolize the providential power of God and the goals and aspirations yet to be achieved by the recipients.

The *Enchiridion* is the official handbook of the College of Liberal Arts and Sciences at Villanova University. Although at the time of publication the *Enchiridion* is believed to be current and correct, the College of Liberal Arts and Sciences reserves the right to make corrections, additions, and deletions as necessary without notice. This booklet is provided for guidance purposes only. No portion of this booklet shall be interpreted as a contractual offer by the College of Liberal Arts and Sciences or Villanova University to any student or students.

The *Enchiridion* is to be considered subordinate in all matters to the *Villanova University Catalog for Undergraduate Studies*.

Dear Villanovan,

Welcome to the College of Liberal Arts & Sciences!

Choosing to study in the Arts and Sciences brings you into a community of leaders with a tradition that stretches back for centuries. Most of the greatest thinkers, leaders and innovators throughout human civilization have come from the rich traditions and foundations of the Liberal Arts and Sciences.

A strong grounding in the Arts and Sciences will provide you the critical thinking and analytical skills to address any type of problem or situation that presents itself; important insight into the human condition to be an effective leader and change-maker, and the communication skills to be effective in any walk of life. By becoming a part of the College of Liberal Arts & Sciences, you are choosing a challenging and rewarding program of study that will yield dividends for the rest of your life. A degree in the Arts and Sciences is an education for a lifetime. Your challenge is to take advantage of the opportunities that Villanova's College of Liberal Arts & Sciences offers.

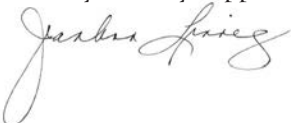
This handbook for students in the College of Liberal Arts and Sciences, the *Enchiridion*, is meant to be a ready reference for information on the College, our academic programs, regulations, and policies. It is important for you to be familiar with the topics included here so that you can make continuous progress toward completion of your degree.

As a student in the College of Liberal Arts & Sciences, you are part of a learning community that draws upon the legacy of St. Augustine, whose own pursuit of knowledge was characterized by open, intelligent, and respectful interaction with and integration of various points of view. The College programs in the liberal arts and sciences are designed to foster an awareness of moral, religious, and humanitarian values, all of which are necessary for the total growth of the individual and success after your education at Villanova. As St. Augustine reminds us:

Let knowledge be used as a kind of scaffolding to help build the edifice of love and understanding, which shall endure forever even after knowledge itself shall be destroyed. (Epist. 55, 22, 39)

The faculty and staff of the College are eager to help you attain your goals and realize the advantages of a Villanova education. The *Enchiridion* is one of the several handbooks that will be invaluable to you while you are enrolled at Villanova.

I wish you every happiness and success as you become a part of our College.

A handwritten signature in cursive script, appearing to read "Jean Ann Linney".

Jean Ann Linney, Ph.D.

DEAN OF THE COLLEGE OF LIBERAL ARTS AND SCIENCES

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Introduction

THE COLLEGE OF LIBERAL ARTS AND SCIENCES

Jean Ann Linney, Ph.D.	Dean
Thomas W. Smith, Ph.D.	Associate Dean and Director of the Honors Program
Robert Blanchard, B.A.	Assistant Dean for External and College Relations
Trudi Tedjeske, M.A.	Assistant Dean for Undergraduate Students
Jane Morris.	Director of the Center for Undergraduate Research and Fellowships (CURF)

History

The College of Liberal Arts and Sciences of Villanova University was founded by the Augustinian Order in 1842. The College traces its origins to old St. Augustine's Church in Philadelphia, which the Augustinians founded in 1796, and to its parish school, St. Augustine's Academy, established in 1811.

In 1842 the Augustinians purchased "Belle Air," the country estate of John Rudolph, a Revolutionary War officer and Philadelphia merchant. There they established the "Augustinian College of Villanova," under the patronage of St. Thomas of Villanova, a 16th century Augustinian educator and Bishop of Valencia, Spain. Eventually the College came to be known as Villanova and gave its name to the town which grew up around it.

Classes for the new college began on September 18, 1843, when 13 students embarked on a traditional liberal arts curriculum. At the outset, however, difficulties plagued the new college. The anti-Catholic "Know Nothing" riots in Philadelphia in 1844 resulted in the burning of St. Augustine's Church. The need to rebuild the church and maintain the new college created a financial crisis for the Order. As a result, the College closed its doors on February 20, 1845. It was able to reopen in September, 1846, with a student population of 24; the first commencement took place on July 21, 1847. The following year, on March 10, 1848, the Governor of Pennsylvania, Francis R. Shunk, signed the Act of Legislature incorporating the College.

In 1857, Villanova College closed for a second time. Demands on the services of priests through the expansion of parishes in the area created staffing problems for the Augustinians, while the “Panic of 1857” brought on hard economic times. The onslaught of the Civil War in 1860 affected student enrollment, and the College was not reopened until September 1865.

In the years that followed, the College prospered, increasing its student population and adding significantly to its physical facilities. Although in the first 50 years of its existence the College concentrated exclusively on the liberal arts, it nevertheless remained open to the changes in curriculum which were required to meet the needs of the time and the demands for specialization.

Today, the College continues to offer a variety of educational programs that are aimed at the total growth of the individual and which prepare students for viable careers. Graduates of the College have taken their place in almost every field of endeavor, serving in education, business, government, law, medicine, and research, where they make vital contributions to the communities and the world in which they live.

Academic Mission

The College of Liberal Arts and Sciences exists to provide an atmosphere of responsible learning to a varied group of students who are called to intellectual, moral, and professional leadership. To fulfill these goals, the College seeks to promote intellectual curiosity and rigor within the university; to instill the fundamentals of critical insight, mature judgment, and independent thinking; and to awaken in its students a sense of the importance of values and the moral responsibility of caring for others and working for the betterment of society.

Villanova has always openly and proudly declared that it is a Catholic institution of higher learning. The University maintains a strong respect for the beliefs of its diverse community of faculty, students, and staff. In keeping with its central place in a Catholic university, the College of Liberal Arts and Sciences has a special commitment to the Christian belief that creation is an expression of the divine truth through the redemptive life, death, and resurrection of Jesus Christ, the incarnate Word of God. It also seeks to provide a Christian intellectual and moral environment, and believes that it is the common right of all to participate in creation, to seek truth, and to apply such truth attained to protect and enrich personal and communal life.

Villanova's special Augustinian heritage enables the College to draw upon the dynamic legacy of St. Augustine, whose passionate pursuit of wisdom, understood through the metaphor of one heart and one mind, inspires its own quest for knowledge in open, intelligent, responsible, and mutually respectful interaction of points of view. This legacy is classically illustrated by the Augustinian Order's impact on the medieval universities, its distinguished cultivation of Renaissance art, and its fostering of the scientific discoveries of Gregor Mendel. It is further expressed in the conviction that all authentic human wisdom is ultimately in harmony with Divine Wisdom, and it invites collaboration with other Christians and peoples of other traditions who might share at least the general features and dynamics of this Augustinian vision.

In light of this legacy, the College has developed a diversified academic program and a core curriculum that provide students with a scale of well-defined universal values that equips them to be wise critics of the society in which they live, and which sustains a moral base and social consciousness that transcends economic barriers and questions of race, gender, and creed.

Academic Goals

The academic mission of the College is intimately connected with its Core Curriculum. The courses in the Core Curriculum treat a broad range of disciplines from a variety of approaches; at the same time, the Core strives to ensure depth of study and intellectual sophistication while recognizing that learning implies different modes of inquiry. The goals of the Core are to:

- A.** Achieve a synthesis of knowledge that provides a basis for informed judgment, not simply “fact finding.” This includes learning to think and process information in a critical manner.
- B.** Promote literacy as a foundation for intelligent discourse and the articulation of informed views. This goal acknowledges that literacy spans all disciplines, and undergraduates should demonstrate an ability to understand and utilize a wide variety of information (e.g., scientific, quantitative, cross-cultural, etc.) to articulate said views.
- C.** Define culture in a broad sense, educating students to understand and to appreciate the interrelated patterns of customary beliefs and practices, social forms, aesthetics, and material traits that act to define a culture and its position within a larger historical and intellectual framework. Students should develop an understanding

and appreciation of the diversity of cultures and experiences as well as the development of a multicultural and international perspective.

- D. Acknowledge that our world is vibrant and continuously redefined, not simply a static version of the past. Thus, we challenge students to understand that the present is recognizably formed from past influences. In order to assess the present and arrive at a view of its future, students must be trained to scrutinize and bring into perspective the relationship of the present day with that of the past.
- E. Prepare students to become active and responsible participants within society, developing an understanding of ethical responsibilities and valuing communal responsibilities.
- F. Encourage personal development in preparing students to regard themselves as citizens living in society, who have respect for the individual as well as the feeling of belonging to a world community.

Learning Objectives

Goal A Achieve a synthesis of knowledge that provides a basis for informed judgment, not simply “fact finding.” This includes learning to think and process information in a critical manner.

Values Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate their engagement in and commitment to the pursuit of knowledge in a manner conducive to life-long learning.

Knowledge Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate their knowledge of: (1) the fundamental facts, concepts, responsibilities, and modes of inquiry related to their academic majors and professions; and (2) topics of personal and intellectual interest to them, pursued through their choice of elective courses and other means.

Skills Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate the following skills: (1) critical analysis; (2) creative problem solving; and (3) well-developed analytical skills.

Goal B Promote literacy as a foundation for intelligent discourse and the articulation of informed views. This goal acknowledges that literacy spans all disciplines, and undergraduates should demonstrate an ability to understand and utilize a wide variety of information (e.g., scientific, quantitative, cross-cultural, etc.) to articulate said views.

Values Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate an appreciation for literacy in all its forms, including the way in which such information is gathered and expressed for the purpose of furthering intellectual discourse.

Values Objective: Graduates of the College of Liberal Arts and Sciences will comprehend the role and importance of scientific and technological literacy.

Knowledge Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate their ability to engage in intellectual discourse with well-developed oral and written communication skills.

Knowledge Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate their understanding of how technical/professional writing is accomplished within their academic majors.

Skills Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate their knowledge of: (1) how to acquire information that promotes the learning experience and the exchange of ideas; (2) appraise the value of such information in the current context; and (3) how to apply proper citation information for these materials.

Goal C Define culture in a broad sense, educating students to understand and to appreciate the interrelated patterns of customary beliefs and practices, social forms, aesthetics, and material traits that act to define a culture and its position within a larger historical and intellectual framework. Students should develop an understanding and appreciation of the diversity of cultures and experiences as well as the development of a multicultural and international perspective.

Values Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate their appreciation of the works produced by intellectual and artistic endeavors, at a level consistent with the requirements of their academic majors and/or their participation in co-curricular cultural activities.

Values Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate an attitude of concern for or interest in international and multicultural issues.

Knowledge Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate their knowledge of the works produced by intellectual and artistic endeavors, at a level consistent with the requirements of their academic majors and/or their participation in co-curricular cultural activities.

Knowledge Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate their comprehension of cultural issues, including how multicultural and international perspectives can be incorporated into their own cognitive framework.

Skills Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate an understanding of other languages, including the ability to communicate (in both oral and written forms) using appropriate grammar and vocabulary in a variety of culturally-authentic and meaningful contexts.

Goal D The educational program does not simply look to the past, but acknowledges that our world is vibrant and continuously redefined. Thus, we must challenge students to understand that the present is recognizably formed from past influences. In order to assess the present and arrive at a view of its future, students must be trained to scrutinize and bring into perspective the relationship of the present day with that of the past.

Values Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate an appreciation of how our historical perspectives are related to modern-day issues.

Knowledge Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate their knowledge of the intellectual, ethical, and spiritual traditions of Western civilization, including Judaeo-Christian, Catholic, and Augustinian traditions and the values and moral principles inherent in them.

Goal E Prepare students to become active and responsible participants within society by developing an understanding of ethical responsibilities and valuing communal responsibilities.

Values Objective: Consistent with their attainment of intellectual goals, Graduates of the College of Liberal Arts and Sciences will (1) treat others with compassion, civility, and respect; (2) demonstrate their acceptance of individual, cultural, social, and ideological differences; (3) accept the responsibilities of community membership; and (4) demonstrate respect for the natural environment.

Knowledge Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate their knowledge of how major Western ethical traditions (especially those influenced by Jewish and Christian perspectives) apply to selected contemporary ethical problems.

Knowledge Objective: Graduates of the College of Liberal Arts and Sciences will demonstrate their knowledge of ethical practices within their academic majors.

Skills Objective: Graduates of the College of Liberal Arts and Sciences will (1) manage conflicts productively; (2) work together to accomplish common goals and further the common good; and (3) motivate and coordinate the efforts of others to work toward common goals.

Goal F Encourage personal development in preparing students to regard themselves as citizens living in society, who have respect for the individual as well as the feeling of belonging to a world community.

Values Objective: Graduates of the College of Liberal Arts and Sciences will accept responsibility for the consequences of their own decisions and behavior.

Skills Objective: Graduates of the College of Liberal Arts and Sciences will (1) define a set of personal goals reflective of their values, capabilities, and interests; (2) demonstrate independence and self-direction in personal problem solving and goal attainment, including the ability to find and employ appropriate resources; and (3) establish rewarding relationships within their peer groups.

Mission to Students, Faculty, and Staff

The College strongly adheres to the principles of the University Mission Statement that commits Villanova to “developing and sustaining an academic environment in which the potentialities of its members may be realized.” In so

doing, the College is guided by the teachings of Vatican II, which emphasized that “the human spirit must be cultivated in such a way that there results a growth in its ability to wonder, to understand, to contemplate, to make personal judgments, and to develop a religious, moral, and social sense” (Pastoral Constitution on the Church in the Modern World, 59).

In order to fulfill its academic mission of transmitting, pursuing, and discovering knowledge, the College commits itself to the hiring and retaining of outstanding teacher-scholars and dedicated staff personnel whose academic and professional interests will develop and foster the goals of the University’s mission. In hiring faculty and staff personnel, the College further commits itself to the goal of maintaining a richness of diversity by actively recruiting women and minorities. In all hiring strategies and decisions, the College strives to utilize procedures that will reliably determine the best qualified applicants.

While the College is committed to maintaining its Catholic identity, it does not seek a particular religious affiliation within its personnel. Rather, as formulated in the University’s mission, it asks that all respect its “attempts to develop an environment in which students, faculty, and staff may experience a Christian intellectual and moral perspective,” and have a willingness to enter into the conversation that gives its mission life and character.

The College is strongly committed to academic freedom that makes open discussion and inquiry possible. It believes open discussion among scholars and students is a self-correcting process that is intrinsic to academic freedom and that this process is in accord with responsible freedom, a central value of the Christian tradition, and of the thought of St. Augustine, the great theologian of Christian freedom.

The College seeks to encourage and equitably reward the valuable performance of its faculty and staff by offering competitive salaries and by making available opportunities that will enhance their professional development. It also seeks to promote a congenial work environment that is conducive to self-motivation. In recruiting students, the College seeks to ensure the best applicant pool possible. It strives to retain students by offering excellent academic programs and by providing them with quality campus activities.

Part II: The Baccalaureate Degree

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 2.00. (Science students must also have a minimum technical grade point average of at least 2.00);
- 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.

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.

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 are awarded formal recognition by the Dean following the conclusion of the fall and spring semesters.

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

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.

Phi Beta Kappa

Phi Beta Kappa is the national honors society 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:

1. 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.

Part III: Matriculation Requirements

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

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 check with the Office for Undergraduate Students 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.

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
BIOLOGY – (20)			BIO 2105 BIO 2106	4 4
CALCULUS AB – (66)			MAT 1500	4
CALCULUS BC – (68)			MAT 1500 MAT 1505	4 4
CALCULUS SUBGRADE- (69)			MAT 1500	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: VERGIL & CAESAR- (60)			LAT 1121 LAT-1122	3 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
MODERN LANGUAGE FRENCH – (48) OR (51)	PLACEMENT ONLY		FRE 1121 FRE 1122	3 3
HUMAN GEOGRAPHY – (53)			GEV 1001	3
MODERN LANGUAGE GERMAN – (55)	PLACEMENT ONLY		GER 1121 GER 1122	3 3
MODERN LANGUAGE ITALIAN- (62)	PLACEMENT ONLY		ITA 1121 ITA 1122	3 3
JAPANESE LANGUAGE & CULTURE (64)			JPN-1111 JPN-1112	6 6
MODERN LANGUAGE SPANISH – (87) OR (89)	PLACEMENT ONLY		SPA 1121 SPA 1122	3 3
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)	Placement Only		PSC-1875	3
PSYCHOLOGY – (85)	Placement Only		PSY 1000	3
STATISTICS – (90)	Placement Only		MAT 1230	3
WORLD HISTORY – (93)	Placement Only		HIS 1040 HIS 1050	3 3

**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 1121, LAT 1122	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*

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 Office for Undergraduate Students 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.

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. Any course labeled MAT will fulfill the core requirement, as well as CSC 1300, Discrete Structures.

Transfer Credit Hours

Students who have taken college courses at another institution prior to attending Villanova, must present the necessary course descriptions, official transcript 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. 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. 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.

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. Internal Transfer Students

Students seeking to transfer from other Villanova colleges must do so by completing the “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 online and in the Office for Undergraduate Students.

Applicants will be notified at the end of each semester 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 bankrupted 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

Students seeking to transfer from the Office of Part-Time Studies 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. All students seeking acceptance into the College of Liberal Arts and Sciences from the Office of Part-Time Studies will need to complete an application, personal statement, and sign the Internal Transfer policy. Students cannot transfer from the College of Liberal Arts and Sciences to the Office of Part-Time Studies.

Part IV: The Core Curriculum

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 courses in the Core Curriculum treat a broad range of disciplines from a variety of approaches; at the same time, the Core strives to ensure depth of study and intellectual sophistication while recognizing that learning implies different modes of inquiry.

The Core aims to advance culture in a broad sense, training students to understand and to appreciate the interrelated patterns of customary beliefs and practices, social forms, aesthetics, and material traits that act to define a culture and its position within a larger historical and intellectual framework. This educational program does not simply look to the past, but acknowledges that culture is vibrant and continuously redefined. The Core challenges students to understand how the present is recognizably formed from past influences, and that in order to assess our culture and arrive at a view of its future, students must be trained to scrutinize and bring into perspective the relationship of the present culture with that of the past.

In fostering active participation in learning, the Core prepares students to become active participants within society, to engage in the process of informed political debate, and to encourage an understanding and appreciation of the diversity of cultures and experiences, a respect for the individual, and the development of a multi-cultural and international perspective. The Core thus encourages personal development in preparing students to regard themselves as citizens living in a democratic society, as belonging to a world community, and as therefore having communal responsibilities.

Summary of Core Curriculum Course Requirements

- I. Foundational Courses
 - a. Augustine and Culture Seminar (2 courses)
 - b. Theology and Religious Studies (2 courses)
 - c. Philosophy (1 course)
 - d. Ethics (1 course)

- II. Languages (2 courses)

III. Mathematics or Statistics	(1 course)
IV. Sciences	(2 courses with laboratories)
V. Sophomore Literature and Writing Seminar	(1 course)
VI. History	(1 course)
VII. Social Sciences	(2 courses)
VIII. Fine Arts	(1 course)

Diversity Requirement

All students must complete two diversity courses.

Core Curriculum Course Requirements

I. Foundational Courses

a. Augustine and Culture Seminar (ACS) Sequence (2 courses)

ACS focuses on the question: *Who am I?* The first seminar (ACS 1000 Ancients) contains readings from Hebrew and Christian scriptures, Greek and Roman antiquity, Augustine, and the High Middle Ages, and is dedicated to understanding the foundations of our shared intellectual tradition. ACS 1001 Moderns continues to address the question of identity with texts from the Renaissance to the modern era.

The two-semester ACS course sequence must be taken by all students during the first year of study. For more information about ACS, please visit: <http://www.villanova.edu/artsci/vcle/courses.htm>

NOTE: *Students are not permitted to drop or withdraw from the Augustine and Culture Seminar (ACS) without academic penalty.*

b. Theology and Religious Studies (2 courses)

The foundational course, THL 1000 Christian Faith and Life, introduces students to Christian thought and practice through the academic lenses of theological and religious studies disciplines. In particular, students engage the Christian tradition and its sacred texts through biblical, systematic theological, ethical, historical, spiritual, ministerial or world religion perspectives – each with their own methods of analyzing theological and religious phenomena.

A second course, though not considered a foundational course, is required for the Core. This course can be chosen from a variety of

offerings and analyzes the central beliefs and practices of Roman Catholicism, focuses on the phenomenon of religion as it operates in human history as well as in contemporary culture, or evaluates the significance of theology/religion for personal and collective ecological, political, economic, social, and cultural life.

c. Philosophy (1 course)

PHL 1000 Knowledge, Reality, Self explores the philosophical responses to the questions of how we can know, what is real, and what is the nature of the human person.

d. Ethics (1 course)

ETH 2050 The Good Life: Ethics and Contemporary Moral Problems provides critical reflection on distinctive and viable visions of the moral life, with particular focus on Christian, especially Roman Catholic, Augustinian accounts, and explores the significance of different visions through an examination of various contemporary moral questions. ETH 2050 is the final piece of the foundational courses. Normally students should take ETH 2050 by the end of their junior year, after taking the other four foundational courses.

II. Foreign Language Requirement

Language proficiency is required at Villanova 1) at the intermediate level for languages offered through the Humanities Department (Latin) or the Department of Romance Languages and Literatures (French, Italian, Portuguese, Spanish), or 2) at the introductory level for languages offered through the Humanities Department (ancient Greek) and the Institute for Global Interdisciplinary Studies (Arabic, Chinese, Irish, Japanese, or Russian.) Normally, this is achieved through taking two courses. Students who have their language requirement waived through the proficiency exam or petition for exemption will be required to take two additional free electives.

STUDENTS MAY FULFILL THE CORE CURRICULUM LANGUAGE REQUIREMENT IN ONE OF THE FOLLOWING WAYS:

- A. LATIN ALPHABET LANGUAGE COURSES**
- B. NON-LATIN ALPHABET LANGUAGE COURSES**
- C. ADVANCED PLACEMENT**
- D. COMPREHENSIVE EXAMINATION (PROFICIENCY EXAM)**
- E. PETITION FOR EXEMPTION DUE TO DOCUMENTED LANGUAGE PROFICIENCY**

F. CREDIT BY EXAM

OPTION A: FOREIGN LANGUAGES USING THE LATIN ALPHABET (ROMANCE LANGUAGES)

Students selecting this option must take two courses at the intermediate level or above in any Latin alphabet based language. Students who studied French, Italian, Portuguese, or Spanish in high school must complete an online language placement test to be placed into the appropriate level course sequence. Students who studied Latin in high school must complete the online *Latin Placement Questionnaire* to be placed into the appropriate level course sequence. Students who are interested in a Latin alphabet based language with no prior experience in the language will be required to take the two-semester introductory course sequence before registering for the intermediate level courses that fulfill the core language requirement.

For additional information on online placement exams or to take the online test, please visit:

<http://www.villanova.edu/artsci/romancelanglit/about/langrequirements>

For additional information on Latin or to complete the Latin Placement Questionnaire, please visit:

http://www1.villanova.edu/villanova/artsci/classical/undergrad/lang_requirements.html

OPTION B: FOREIGN LANGUAGES USING A NON-LATIN ALPHABET (CRITICAL LANGUAGES)

Students selecting this option must take a two- semester intensive course sequence at the introductory level. Examples of non-Latin alphabet course offerings include ancient Greek, Arabic, Chinese, Irish, Japanese, and Russian. Students should note that these courses are typically six credits and meet five days a week, though not always. Students should contact individual departments with any questions regarding placement in these languages.

For additional information regarding critical languages, please visit:

<http://www1.villanova.edu/villanova/artsci/global/criticallangs.html>

http://www1.villanova.edu/villanova/artsci/classical/undergrad/lang_requirements.html

OPTION C: ADVANCED PLACEMENT

Students may satisfy the Core Curriculum language requirement by attaining a score of four or better on the applicable Advanced Placement Exam. Exams that fulfill this requirement and the course equivalency are listed on the Advanced

Placement table later in this book. Any questions regarding Advanced Placement credit should be directed to the Office for Undergraduate Students in SAC 107.

OPTION D: COMPREHENSIVE EXAMINATION (PROFICIENCY EXAM)

Students may satisfy the Core Curriculum language requirement through satisfactory performance on a proficiency exam administered by the appropriate department. Proficiency exams are administered on certain dates during the summer (2012: July 11 and August 22) and students must register in advance at the website address below. The deadline for a proficiency exam is noon the day before the exam. If the student is deemed proficient by achieving a grade of C or better on the proficiency examination, the student may then satisfy the Core Curriculum language requirement by taking two free electives.

Comprehensive proficiency examinations are scheduled online at <https://sp.artsci.villanova.deansoffice/Lists/CoreCurriculumLanguageRequirement/NewForm.aspx> and registration requires a Villanova username and password.

OPTION E: PETITION FOR EXEMPTION DUE TO DOCUMENTED LANGUAGE PROFICIENCY

Students who are fluent in languages for which no comprehensive exam is offered through the College of Liberal Arts & Sciences may petition for an exemption from the Core language requirement. This may be done by submitting a written request for exemption and documentation of proficiency from an accredited institution. International students may submit Test of English as a Foreign Language (TOEFL) scores as documentation of foreign language proficiency for the purposes of the petition process. If a student is deemed proficient through the petition process, the Core Curriculum language requirement can then be satisfied by taking two free electives. Petitions and supporting documentation should be submitted to the Office for Undergraduate Students in SAC 107.

OPTION F: CREDIT BY EXAM

Students who would like to pursue credit for language fluency may do so through the credit by exam program for any language taught at Villanova other than their native language. Students must meet all conditions in place through the College of Liberal Arts and Sciences for the credit by exam program and there is a fee of \$80.00 per credit. Arrangements for credit by exam should be made in the Office for Undergraduate Students in SAC 107.

Additional conditions for the credit by exam program are listed at http://www1.villanova.edu/villanova/artsci/undergrad/challenge_exam/conditions.html

Notes:

- Language courses vary from three to six credits; regardless of the number of credits, an individual language course counts as one course.
- Placement tests are used to place students only; they are not to be confused with a proficiency exam.
- Students with additional questions regarding the Core Language requirement should speak with their Faculty Advisor, if they have additional questions or concerns they should be directed to the Office for Undergraduate Students in St. Augustine Center, 107.

III. Mathematics or Statistics (1 course)

Students must take one course in either mathematics or statistics. Any course offered by the Department of Mathematics and Statistics fulfills the requirement, although the department offers courses every semester specifically designed for the Core Curriculum. These specifically designed courses, along with courses offered from other departments designated by the appropriate attribute, fulfill the core requirement.

IV. Science (2 semesters with laboratory)

Non-science majors meet the Core Curriculum Science requirement by taking two semesters of Mendel Science Experience (MSE 2000 or MSE 2001), thematically-based lecture/laboratory courses.

Science (AST, BIO, BIOC, CHM, ENV, PHY) majors meet the science requirement through the regular program of study in their major.

V. Sophomore Literature and Writing Seminar (1 course)

All students in their sophomore year take a literature and writing seminar course. These courses are designated by the SWS attribute.

VI. History (1 course)

Any history course specifically designated for the Core Curriculum fulfills the core requirement. These specifically designed courses, along with courses offered from other departments designated by the appropriate attribute, fulfill the Core History requirement.

VII. Social Sciences (2 courses)

Students will satisfy the Social Sciences requirement by taking two courses typically offered through the Departments of Economics, Gender and Women's Studies, Geography and the Environment, Global Interdisciplinary Studies, Political Science, Psychology, or Sociology, which are designated by the appropriate attribute.

Students majoring in Economics, Geography and the Environment, Political Science, Psychology, or Sociology fulfill the Core Social Science requirement through the requirements for their major.

VIII. Fine Arts (1 course)

The Fine Arts requirement is met through courses that foster and develop an understanding and appreciation of artistic creativity. While some courses may focus on the creative processes that go into making a work of art, others may focus on analysis and interpretation of the products of that artistic creativity. Special designated courses in Theater, Studio Art, Art History, English, and Communication (e.g., Rhetoric/Performance and Media/Film Studies), designated with the appropriate attribute, fulfill the core requirement. Please note that not all Studio Art courses meet the Fine Arts requirement.

Core Curriculum Diversity Requirement (2 courses)

Students will take at least two courses designated as "diversity." Learning to see through the eyes of other peoples and cultures is essential to becoming a citizen of the world. Beyond introducing students to the contextual study of diverse groups, diversity education may foster understanding of how individuals are affected within systems of power, oppression and marginalization.

Students are required to select one course in two of the three following areas:

Diversity 1: Courses that focus on non-dominant groups, minority groups, or impoverished groups in the United States; also courses focusing on the experiences of minorities in Western Europe as "marginalized" people.

Diversity 2: Courses that provide a focus on women's experiences and/or highlight the relationship between gender and culture.

Diversity 3: Courses that provide a focus on the culture, economics, politics or ecology of societies and nations other than those of Europe and the United States.

Requirements:

1. A student may not use a single course to fulfill more than one category of the diversity requirement.
2. The diversity requirement cannot be fulfilled by independent study or a senior thesis.
3. Language courses cannot fulfill the requirement, although literature courses in a foreign language can fulfill the requirement provided they focus on appropriate material.
4. A student may take a course incorporating community-based learning (such as a Service Learning course), provided that the course has been pre-approved for diversity course credit.
5. The spirit of the diversity requirement calls for students to select courses that will broaden their education. The Core Diversity Committee believes it is ultimately the student's responsibility to select courses to achieve this goal.

Fulfilling Core Curriculum Course Requirements

Courses or sections of courses that are specifically designed to fulfill Core requirements are designated as such in the Master Schedule, which is available online through MyNOVA. With the exception of Diversity courses, a course that is fulfilling a Core requirement for a student cannot also be applied toward that student's major, unless explicitly included in the required course program for the major. With the exception of the Foreign Language Requirement, Advanced Placement (AP) credit does not count toward the fulfillment of requirements in the Core Curriculum. AP credits may count toward the fulfillment of major course requirements or as free elective credit. Please discuss this option with your faculty advisor. A course that a student has already taken cannot be retroactively approved to fulfill a Core requirement.

Part V: The Office for Undergraduate Students

explore. experience. evolve.

107 St. Augustine Center for the Liberal Arts

610-519-3900

<http://www1.villanova.edu/villanova/artsci/undergrad/ous.html>

Trudi Tedjeske.....	Assistant Dean, Undergraduate Students
Michael Hones.....	Associate Director
Joseph Orkwiszewski.....	Associate Director
Elizabeth Springuel.....	Assistant Director
Gina Talley.....	Coordinator, Social Media & Special Events
Michele Grimes.....	Senior Administrative Assistant
Kathleen Moore.....	Operations Manager
Shelly Beierschmitt.....	Data Manager

Vision

The Office for Undergraduate Students aspires to be at the forefront in student support by continuously improving our services and advising in academics, professional development, and experiential education. We strive to create a welcoming and supportive environment for an increasingly diverse student population. We seek to foster collaborative relationships between University community members to promote student growth in mind, body, and spirit.

Mission

The Office for Undergraduate Students guides and supports students from orientation to graduation as they explore the many experiential possibilities that the College of Liberal Arts and Sciences provides. We empower students to begin a process of self-discovery, providing them with the resources to forge their own educational and professional direction.

Academic Advising

Linda Boettcher, Director

R. Edel Lukens, Associate Director

Kathleen Matkowski, Records Assistant

107 St. Augustine Center for the Liberal Arts

610-519-3900

<http://www1.villanova.edu/villanova/artsci/undergrad/ous/advising.html>

Academic Advising provides individual attention and guidance to students as they transition into the University and begin to explore their educational interests. Faculty Advisors encourage students to reflect on their course selections and experiential learning opportunities, enabling them to make informed choices about their educational and professional direction. By connecting students to a wide variety of support services, we seek to promote students' development and to facilitate their success.

Through our first-year *Academic Advising* course, we teach students how to obtain the most from their education. Topics include understanding the value of a liberal arts education and the core requirements, conveying professionalism, assessing and strengthening study skills, learning time management, making informed educational and professional choices, and maintaining student wellness.

Leadership & Professional Development

Karen Graziano, Director

107 St. Augustine Center for the Liberal Arts

610-519-3900

<http://www1.villanova.edu/villanova/artsci/undergrad/ousprofdevt.html>

Leadership & Professional Development offers programming, mentoring, and courses that enable students to identify their strengths, explore professional and educational possibilities, and develop the skills necessary to prepare them for professional life. Through this process, we empower students to pursue their aspirations. Leadership & Professional Development consists of the following areas: Professional Development and Law School Advising.

The Professional Development component provides students with a foundation for learning how their academic knowledge and skills transfer into the professional world. Students work in one-on-one meetings, through workshops,

and in 1-credit courses to develop their skills. In the 1-credit *Professional Development* course, students learn a step-by-step professional development process that they will draw on throughout their professional lives. Additional courses offered to enhance professionalism include *The Legal Profession*, *Professional Communication*, *Networking for Success*, *Social Networking*, and *Introduction to Professional Writing*.

The Law School Advising Program educates students about the requisite skills for a career in law. Students attend workshops and work with the Law School Advisor to ascertain their interest in law, develop their skills, prepare for and complete the application process, and evaluate law schools.

BRIDGE Society

The BRIDGE Society in the College of Liberal Arts and Sciences is designed to build relationships among students and alumni in the College of Liberal Arts and Sciences, to inspire both student professional development and alumni institutional development, as well as provide a forum for students to gain the experiences necessary to forge their future direction. The BRIDGE Society provides an opportunity for students to identify with the College, in addition to their major, creates the opportunity for student leadership within the College of Liberal Arts and Sciences, and gives Arts & Sciences students the opportunity to explore potential career paths and meet alumni & employers in their fields of interest.

Internships

TBA, Director

Luisa Ruggieri, Administrative Assistant

107 St. Augustine Center for the Liberal Arts

610-519-3900

The Internship program provides resources, including individual meetings, workshops, and events, to assist students as they explore professional possibilities. Through experiential learning opportunities provided by internships students can refine their career interests, hone their professional skills, and gain invaluable experience in a variety of diverse fields. Through the internship program students can earn credit through their major, minor or

concentration for relevant workplace opportunities, or earn elective credit for work experience unrelated to their primary coursework.

Undeclared Science Advising

**Joseph Orkwiszewski, Associate Director, Office for Undergraduate Studies
107 St. Augustine Center for the Liberal Arts**

610-519-3900

<http://www1.villanova.edu/villanova/artsci/undergrad/ous.html>

Science Undeclared affords students who have a genuine interest in the natural sciences, but who are somewhat uncertain as to which discipline to pursue, an opportunity to explore a variety of options during their first year at Villanova University. During their freshman year, students enroll in one or two natural science courses with laboratory and mathematics. The Undeclared Science option provides students with the opportunity to make a considered and data-based decision as to which discipline they wish to pursue for their four years.

Health Professions Advising

Louise Russo, Advisor

143 Mendel Science Center

610-519-4833

<http://www1.villanova.edu/villanova/artsci/undergrad/health/about.html>

Those students planning to apply to any health professional degree program (Medical, Dental, Physician Assistant, Veterinary, Optometry, Physical Therapy, etc.), should contact the Health Professions Advisor (HPA) for information on pre-requisite requirements, pre-admittance examinations, and application procedures.

Information sessions related to career exploration, program specifications, and application preparation by the HPA and presentations by Admissions Directors from professional schools are held throughout the academic year to enhance applicant knowledge and application quality (<http://www1.villanova.edu/villanova/artsci/undergrad/health/events.html>). The HPA Office works closely with alumni healthcare professionals to provide internship and shadowing opportunities and to participate in mock interview sessions. The HPA supports activities hosted by the pre-medical, pre-dental, and pre-

veterinary student organizations and assists the student leadership council of the pre-medical honor society, Alpha Epsilon Delta, to develop academic-enrichment activities for pre-health students including application workshops, undergraduate research open houses, and health-related seminars and colloquia.

Informational meetings are held throughout the academic year (www.villanova.edu/artsci/healthprofessions/events.htm).

Office of Service Learning (OSL)

Noreen Cameron, Director

386 St. Augustine Center

610-519-3251

noreen.cameron@villanova.edu

The Office of Service Learning (OSL) coordinates Service Learning Courses and the Sophomore Service Learning Community. In keeping with Villanova University's mission and the mission of The College of Liberal Arts and Sciences we equip students with knowledge and experience to ignite their passion to care for others, take responsibility for our society and effect positive social change. We work with faculty in course development to enhance student learning and enable them to critically reflect on our society as they come to understand the needs and wisdom of those who are poor or disenfranchised.

Service Learning Courses: Courses with a service learning attribute require a community based experience in an underserved community for 3 to 4 hours per week. OSL maintains partnerships with schools and agencies where our students serve. We provide transportation to and from all service sites. Some courses have optional service learning in which students may choose a research project in place of community based experience. We welcome student input for the development of ideas and outreach that could enhance learning and be connected to courses offered in the College.

The Sophomore Service Learning Community (SLC) is an intentional learning community. Students are required to take a three credit course related to service, a one credit integrating seminar and serve for 3-4 hours per week each semester for one academic year. Application and interview are required for acceptance into the community. Students live in Alumni Hall or surrounding residence halls; others choose their own housing and participate in the courses, service, the integrating seminar and community life.

Other: OSL has information regarding internships, summer programs and study abroad opportunities for undergraduate students interested in service learning.

Center for Undergraduate Research and Fellowships

Jane Morris, Director

38 Garey Hall

610-519-5928

<http://www.villanova.edu/artsci/undergrad/curf/>

National Fellowship Advisement

Villanova University provides comprehensive advisement for students who pursue prestigious national scholarship and fellowship opportunities, including the Truman, Goldwater, Udall, Fulbright, Marshall, Rhodes scholarships and fellowships awarded by the National Science Foundation, Hughes, Mellon, and Ford foundations. A mentoring program is administered by the Center for Undergraduate Research and Fellowships and begins as early as an undergraduate student's first year. In recent years, nearly 300 students have received formal recognition from these various national scholarship programs.

Villanova Undergraduate Research Fellows

The Villanova Undergraduate Research Fellows Program is designed to provide financial support for independent student research. The Faculty Undergraduate Research Council determines funding allocations to be awarded as stipends for student researchers and faculty collaborators, as well as funding available for supplies, travel, and conference support. In recent years, nearly 100 Villanova undergraduates have received funding for research performed in collaboration with university professors that has been published in peer-reviewed scholarly journals and presented at national and international conferences.

Part VI: Academic Programs

The following information is designed to give students a brief overview of the various degree programs in the College of Liberal Arts and Sciences. Please contact individual departments or visit their webpages for additional information about a particular program.

Aerospace Studies Program and Minor (Air Force ROTC)

Director: Captain Timothy Hubler (thubler@sju.edu)

Department of Aerospace Studies

Saint Joseph's University

Telephone: 610-660-3190

Website: rotc@sju.edu

Course Description Website: www.sju.edu/det750

Air Force Reserve Officer Training Corps participation is available through a cross-enrollment agreement with St. Joseph's University. Participation in a two through four-year program leads to a commission as a Second Lieutenant in the Air Force. Scholarships are available in any major. Additional Details are available in the Liberal Arts and Sciences Special Programs section of the Villanova Catalog.

MINOR IN AEROSPACE STUDIES (20 credits)

The minor in Aerospace Studies is offered to any student completing the courses of study listed below. Students must receive approval from the Professor of Aerospace Studies and who declare this choice no later than the add/drop period of their seventh semester. Specific English and Foreign Language courses must receive approval by the Professor of Aerospace Studies to qualify.

AFROTC Program: AFROTC objectives are to recruit, select, and retain officer candidates until they are commissioned as second lieutenants in the U.S. Air Force; provide college-level education that qualifies cadets for commissioning in the U.S. Air Force; and develop each cadet's sense of personal integrity, honor, and individual responsibility; enhance knowledge of how the U.S. Air Force serves the national interest; increase understanding of officer professionalism in the U.S. Air Force; and develop potential as a leader and manager.

Africana Studies Program

Program Director: Crystal J. Lucky, Ph.D.

Office Location: 36 Garey Hall

Telephone: 610-519-7824

Website: <http://www.villanova.edu/artsci/africanastudies/>

MINOR (15 credits)

The Africana Studies Minor combines an introductory core and a number of electives for a total of 15 credits. Minors are required to take two courses (six credits) from the introductory core. Each of these courses must be from a different discipline. In addition, students are required to take three approved elective courses (nine credits).

CONCENTRATION (21 credits)

The Africana Studies Concentration combines an introductory core, a number of electives, and an integrating seminar for a total of 21 credits. Concentrators are required to take two courses (six credits) from the introductory core. Each of these courses must be from a different discipline. In addition, students are required to take four approved elective courses (12 credits) and AFR 4000, the Africana Studies Integrating Seminar (three credits).

The list of approved electives is available on the Africana Studies website. The number of electives offered, and therefore students' choices, will vary from semester to semester. Credits desired from electives taken by students during Study Abroad will be applied at the discretion of the Director.

Arabic Language & Culture

Program Director: Maghan Keita, PhD

Office Location: 34 Garey Hall

Telephone: 610-519-6996

Website: <http://www1.villanova.edu/villanova/artsci/global/criticallangs/arabic.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/global/criticallangs/arabic/courses.html>

MINOR (6 courses)

The minor in Arab Language and Cultural Studies requires six courses. ARB IIII/IIII2; ARB II2I/II22; and two ARB electives

The Arabic Language and Cultural Studies program offers Arabic language and linguistic study, and classical and modern Arabic literature and cultural study. Arabic is the language of a rich culture and civilization dating back many centuries; it is also the language of Islam and the Quran. This culture has produced such figures as Averroes, the medieval Aristotelian philosopher, Ibn Khaldun, the first social historian, and the modern poet Khalil Gibran. Between the 8th and the 15th centuries the volume of literary, scholarly, and scientific book production in Arabic and the level of urban literacy among readers of Arabic were greater than any the world had ever known until that time.

Arabic Language and Cultural Studies represents a cutting edge intellectual experience that provides its minors with a real advantage in critiquing, understanding, and navigating the global landscape.

Arab & Islamic Studies

Chair: Hibba Abugideiri, Ph.D.

Office Location: 415 Saint Augustine Center

Telephone: 610-519-4640

Website: <http://www1.villanova.edu/villanova/artsci/arabislamic.html>

MAJOR (21 credits)

Required courses include 2 courses from this list * HIS 4041 History of the Modern Middle East * PSC 4900 The Arab States or PSC 5900 Middle East International Relations * THL 5150 Introduction to Islam. Any of these courses not used as a requirement may be chosen as an elective. The two required elective credits for the major must come from the list of approved elective courses on the Arab and Islamic Studies, including additional Arabic language courses. List of courses appears every semester at the AIS website. Certain topics courses listed under each Department with content relevant to AIS may qualify as electives with permission from the Director of the Arab and Islamic Studies Program. The major requires 2 courses of Arabic language at the intermediate level (ARB 1121-1122) in addition to the 12 credits already completed to satisfy the College language requirement. Heritage speakers of Arabic may test out of the language requirement, in which case they will take 2 other course (min. 6 credits) instead of the language credits.

MINOR (15 credits)

Students interested in a minor in Arab and Islamic Studies must take AIS 4100 AIS Seminar (3 credits) and two courses (6 credits) from this list: HIS 4031 Islamic Civilization to 1800 * HIS 4041 History of the Modern Middle East * PSC 4900 The Arab States * PSC 5900 Middle East International Relations * THL 5150 Introduction to Islam. Any of these courses not chosen as a required course may be used as an elective. The minor also requires two electives. The six (6) elective credits for the minor must come from the list of approved elective courses on the Arab and Islamic Studies, including Arabic language courses. Certain topics courses listed under each Department (ARB, COM, GIS, HIS, HUM PSC, THL, etc.) with content relevant to AIS may qualify as electives with permission from the Director of the Arab and Islamic Studies Program. The list of possible electives, including topics courses, is posted on the AIS website every semester. Students minoring in AIS are encouraged to complete their College language requirement by taking Arabic language courses.

Art History

Chair: Marc Gallicchio, Ph.D.

Office Location: 403 Saint Augustine Center

Program Director: Mark Sullivan, Ph.D.

Office Location: 444 Saint Augustine Center

Telephone: 610-519-4933

Website: <http://www.villanova.edu/artsci/history/undergrad/arhistory/>

Course Description Website:

http://www.artsci.villanova.edu/courses/art_history.html

The Art History major and minor are administered by the Chair of the History Department

MAJOR (30 credits/10 courses)

Required Courses

AAH 1101 History of Western Art, Ancient to Medieval

AAH 1102 Renaissance to Contemporary World

AAH 2000 Ancient Art

AAH 2001 Early Christian and Medieval Art

One Renaissance

One Modern Art Course

One Studio Art Course

AAH 4010 Interpreting Art

AAH 4000 Senior Thesis

One Upper-level Art History Elective: AAH 2000 to AAH 4999

MINOR (18 credits/6 courses)

Students seeking a minor in Art History are required to earn at least 15 credit hours in art history, six of which must be the two survey courses (AAH 1101 and 1102), plus three credit hours in Studio Art.

Art History Minors must earn at least half (9 credits/3 courses) at Villanova University.

Asian Studies

Program Director: Joanna Rotté, Ph.D.

Office Location: 224 Saint Augustine Center

Administrative Assistant: Joyce Harden

Telephone: 610-519-4640

Website: <http://www1.villanova.edu/villanova/artsci/asian.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/asian/concentration.html>

CONCENTRATION (Minimum of 24 credit hours)

One core course, providing an overview of the region

PSC 4500: Japan and China (Contemporary East Asia) or

HIS 4320: China and Japan since 1858

- Two Language Courses at the Intermediate Level or above, CHI 1121 – Intermediate Chinese I, CHI 1122 – Intermediate Chinese II, CHI 1131 – Advanced Chinese I, CHI 1132 – Advanced Chinese II, JPN 1121 – Intermediate Japanese I, JPN 1122 – Intermediate Japanese II, JPN 1131 – Advanced Japanese I, JPN 1132 – Advanced Japanese II, JPN 1133 – Advanced Japanese III, JPN 1134 – Advanced Japanese IV
- Five electives including study abroad options “Selected List of Electives” on website including Study Abroad Options

The Asian Studies Concentration provides Villanova undergraduates with basic competence in the history, politics, philosophies, languages, and cultures of the region, while also emphasizing:

- An interdisciplinary approach that addresses complex and connective understanding of the major issues and appreciation of the region’s diversity; and acquisition of basic research skills toward a deeper understanding of a particular, problem, idea or event of the region.

Astronomy and Astrophysics

Chair: Edward L. Fitzpatrick, PhD

Office Location: 456A Mendel Science Center

Telephone: 610-519-4820

Website: www.villanova.edu/artsci/astronomy/

Course descriptions: www1.villanova.edu/villanova/artsci/astronomy/courses.html

The Astronomy and Astrophysics major is designed to prepare students for graduate studies in Astronomy and related fields. The major combines rigorous academic preparation with a strong research component, which usually culminates in the presentation of original research results at national astronomical conferences.

Research facilities utilized by students in the Department include a suite of on-site telescopes located on the roof of Mendel Science Center, remotely-operated telescopes in Arizona managed by University consortia, and national facilities, such as Kitt Peak National Observatory and the Hubble Space Telescope, via faculty research programs.

MAJOR (87 credits)

The major consists of 87 credits, including courses in astronomy, physics, mathematics, computer science, and meteorology. Students completing the major will also qualify for a minor in physics. Required courses include: AST 2120, 2121, 2122, 2133, 2134, 3141, 3142, 3152, 3162, 4121, 4122; CSC 4630; MAT 1500, 1505, 2500, 2705; MET 2001; PHY 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2601, 2603, 4100, 4200 and 3 additional PHY courses numbered above 3000.

MINOR (24-26 credits):

A minor is open to all students and requires 24–26 credits, including courses in astronomy, physics, mathematics, and meteorology. The required courses for the minor are: AST 2120, 2121, 2122; two courses from AST 2133, AST 2134, AST 3141, AST 3142, AST 3152, AST 3162; MAT 1310, 1315 (Calculus I and II) or higher; MET 2001; PHY 1100, 1102 or PHY 2400, 2402 or higher.

Augustine in Dialogue with Faith and Culture

Chair: Kevin Hughes, Ph.D.

Office Location: 304 Saint Augustine Center

Telephone: 610-519-7300

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

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/augustine/courses.html>

CONCENTRATION (18 credits)

This is an interdisciplinary program, open to all students in all degree programs. Students must complete the required 18 hours for the concentration in addition to fulfilling the requirements of their major. They will maintain a portfolio of all the papers they have written throughout their course of studies in the Concentration. At the end of their first semester senior year, they will undergo an oral exam, which both reviews the course material they have taken thus far, as well as lays the groundwork for the research they will undergo in their capstone experience. The oral examination will be administered by three professors: the Director of the Concentration and two professors who have taught them during their course of studies for the Concentration.

Required Courses: Students must select two courses from the list of courses in Category A, found on the website above. These courses must be selected from different disciplines. In addition students must select three courses from one of the tracks listed under Category B. Tracks include Track 1: Theological/Philosophical Themes, Track 2: Historical, and Track 3: Social/Political. To earn a Concentration in Augustine in Dialogue with Faith and Culture, all students are required to take the Category C required Senior Seminary. This is an interdisciplinary capstone course that reflects the ongoing dialogue between faith and culture.

Biochemistry

Program Co-Directors: Janice Knepper, Ph.D, Barry Selinsky, Ph.D

Office Location: G24A Mendel Science Center, 216E Mendel Science Center

Telephone: 610-519-4840

Program Office: Mendel Science Center 215

Website: <http://www.villanova.edu/artsci/biochem>

Course Description Website:

<http://www.villanova.edu/artsci/biochem/courses/undergrad.htm>

Acceptance: Students are accepted into the major as incoming freshmen, or upon consultation with a program director when achieving a 2.0 or better in required courses

MAJOR

Required courses: Required courses: CHM 1000, 1151/1103, 1152/1104, 2211/2201 (or 3211/3201), 2212/2202 (or 3212/3202), 3417, 3514/3503, 4621, 4622, 4623, 4603; BIO 2105, 3351, 4505; MAT 1500/1505 (or 1300/1305); PHY 2410/2411 (or 1100/1101), 2412/2413 (or 1102/1103). In addition, majors must complete one Chemistry elective and one Biology elective from the approved list.

Biochemistry is an interdisciplinary major requiring comprehensive coursework in both Biology and Chemistry. The biological relevance of chemical concepts is stressed throughout the curriculum. Students are encouraged to pursue one of the many available research experiences.

Research Opportunities: The Biochemistry program offers two mechanisms for participation in research by undergraduate majors. Fellowships for 8-10 weeks of summer research are funded by University, government, or industrial sources. Recipients of these fellowships carry out a research program under the direction of a faculty member. Students may also enroll in research mentored by a faculty member for academic credit during the school year, which fulfills the elective requirement in the relevant department (CHM 4801, 4802, 4803 or Bio 6509, 6609).

Biology

Chair: Russell M. Gardner, Ph.D.

Office Location: 147 Mendel Science Center

Telephone: 610-519-4832

Website: <http://www.villanova.edu/artsci/biology>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/biology/undergrad/courses.html>

MAJOR (136 credits)

Required Courses: Thirty six credits in Biology, including BIO 2105, 2106, 3351, at least five Biology laboratory courses at the 3000-level and higher and 5100. Cognate science requirements include: CHM 1151/1103, 1152/1104, 2211/2201, 2212/2202; MAT 1310 and 1315; PHY 1100/1101 and 1102/1103. At least one course with lab must be chosen from each of the following areas: Ecology/Evolutionary/Population Biology, Organismal Biology, and Cellular/Molecular Biology.

Biology is a broad-based program designed for students interested in the life sciences. The program fulfills entry requirements for medical and other allied health programs as well as for graduate work in many areas of biology and related fields. The program also provides excellent preparation for careers in health sciences, research, and/or education.

MINOR (23 credits)

Required Courses: BIO 2105/2106. Additional elective courses from Biology departmental offerings numbered 3000 and higher. These Biology electives must include at least 3 lab science courses

Minors must complete at least 12 of their of their Biology credits at Villanova and achieve a minimum GPA of 2.0

Combined BS/MS in Biology: Five-year double degree program. See “Program of Study” on departmental website for details regarding admission, program of study, etc.

Research opportunities: Undergraduate majors may opt to work with faculty to complete undergraduate research either informally or more formally in a senior or honors thesis project.

Business Minor

Villanova School of Business

Assistant Director Business Minor Programs: Patricia Burdo

Telephone: 610-519-5951

Location: The Clay Center at VSB (Bartley Hall 1054)

There are two options for A&S students to earn a business minor: the **Academic Year Business Minor** and the **Summer Business Institute**. Students considering either of these programs should meet with their primary academic advisor and are required to attend a Business Minor information session, before applying.

The **Academic Year Business Minor** is designed for full time undergraduates enrolled in other Villanova colleges. Four semesters are typically required to complete the minor; the first two must be contiguous (fall/spring). For program requirements visit: <http://www.villanova.edu/business/undergrad>

The **Summer Business Institute (SBI)** is a fulltime, ten week accelerated program created exclusively for non-business majors. SBI, using a cohort-based model, is designed to be completed in one-summer.

For program requirements visit: <http://www.villanova.edu/business/sbi/>

Academic Year Business Minor Program

- “Traditional” year track; courses taken over a series of fall/spring semesters
- VSB core curriculum; classes with VSB students
- Competitive admission process; decisions made once a year (after spring grades are posted)
- Application deadline: May 1

Summer Business Institute

- “Once and done” immersion curriculum; completed in one summer
- SBI-specific courses, classes with non-VSB students
- Competitive admission process; decisions made within two weeks of application (January-April)
- Application deadline: April 15

Completion of either program may allow students to pursue a discipline-specific business minor or enroll in other VSB courses; VSB approval is required and additional coursework may be necessary.

Chemistry

Chair: Wm. Scott Kassel, Ph.D.

Office Location: 215A Mendel Science Center

Telephone: 610-519-4840

Website: <http://www1.villanova.edu/villanova/artsci/chemistry.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/chemistry/undergrad.html>

MAJOR (28 courses min)

Required Courses: CHM 1000 (2), 1311/01, 1512/02, 3511/01, 3211/01, 3212/02, 3311/01, 3411/03, 3412/04, 4611; MAT 1500/05; PHY 2410/11 and 2412/13; minimum of two CHM electives and one CHM lab elective. Those students pursuing the Biochemistry Option, a particularly attractive choice for those students considering medical school, have a curriculum identical to the above but with 4611 and one CHM elective replaced by CHM 4621/4622/4603, and three semesters of Biology (BIO 2105/6 and a molecular based biology course).

The Chemistry major, accredited by the American Chemical Society, provides comprehensive classroom and laboratory training in all areas of chemistry. Students receive extensive training in laboratory techniques using modern chemical instrumentation.

MINOR

To complete the Chemistry minor, students should complete a year of general chemistry, a year of organic chemistry, and then three additional chemistry courses, two having associated laboratories. To receive the minor, students must complete a written application. Applications for the minor can be obtained from Ms. Nancy Proud in the Chemistry Office (Mendel 215A). To complete the requirements for a Minor in Chemistry, students must complete all three of the conditions outlined at <http://www1.villanova.edu/villanova/artsci/chemistry/undergrad/minor.html>

Chinese Language and Culture

Program Director: Maghan Keita, Ph.D.

Office Location: 39B Garey Hall

Telephone: 610-519-8952

Website: <http://www1.villanova.edu/villanova/artsci/global/criticallangs/chinese.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/global/criticallangs/chinese/coursedescription.html>

MINOR (6 courses)

The minor in Chinese Language and Cultural Studies requires six courses. CHI 1111/1112; CHI 1121/1122; and two CHI electives.

The Chinese Language and Cultural Studies program opens the way to the study of various elements of Chinese life. Chinese Language and Cultural Studies includes the rich heritage of novels, short stories, poetry, drama, and film that reflect the values and experiences of this great people.

Chinese Language and Cultural Studies represents a cutting edge intellectual experience that provides its minors with a real advantage in critiquing, understanding, and navigating the global landscape.

Classical Studies

Chair: Kevin Hughes, Ph.D.

Office Location: 304 Saint Augustine Center

Telephone: 610-519-6165

Website: <http://www.villanova.edu/villanova/artsci/classical/>

Course Description Website: www.villanova.edu/villanova/artsci/classical/courses/

The Classical Studies Program explores the cultures of ancient Greece and Rome, from the beginnings of Greek civilization to the fall of the Roman Empire. Our program is interdisciplinary, embracing the study of classical languages, literature, history, art and archaeology, philosophy and religion. The program offers courses which may satisfy certain requirements for the Core Curriculum of the College of Liberal Arts and Sciences.

MAJOR (30 credits)

A major in Classical Studies requires a minimum of 10 courses in a combination of courses in the classical languages and courses in English on classical civilization. Students may choose one of three concentrations:

Latin: 8 Latin Courses and 2 Civilization Courses

Classical Languages: 4 Latin courses (intermediate and above), 4 Greek Courses (any level), and 2 Civilization Courses

Classical Civilization: 2 Latin or Greek Courses, 8 Civilization Courses

MINOR (18 credits)

A minor in Classical Studies requires a minimum of 6 courses in one of two concentrations:

Classical Languages: 4 Latin or Greek Courses and 2 Civilization Courses

Classical Civilization: 6 Civilization Courses (language not required)

Note: In the Classical Civilization major or minor, students may replace civilization courses with Latin or Greek courses.

Five Year B.A./M.A. Program: The five year program allows exceptional students to complete a bachelor's and a master's degree in Classical Studies in five years. In the last year of undergraduate study students take three graduate courses that count toward both their undergraduate and graduate degree.

For more information please see the website above or contact Director of Undergraduate Studies, Dr. Andrew G. Scott at andrew.g.scott@villanova.edu.

Cognitive Science

Program Director: Charles L. Folk, Ph.D.

Office Location: 252 Tolentine Hall

Telephone: 610-579-7464

Website: <http://www.villanova.edu/artsci/cogsci>

Course Description Website:

<http://www.villanova.edu/artsci/cogsci/undergrad.html>

MINOR (15 credits)

To complete a minor in Cognitive Science students must take 5 courses for a total of 15 credits, including:

Two required courses chosen from the following three options:

1. PHI 4610 – Philosophy of Mind
2. PSY 4500 – Cognitive Psychology
3. CSC 4500 Artificial Intelligence OR CSC 4510

Plus three electives from the list of approved Cognitive Science courses which can be found at

<http://wwwI.villanova.edu/villanova/artsci/cogsci/undergrad/minor.html>

A student's five courses must include at least one approved course from three of the following disciplines: Biology, Computing Sciences, Philosophy, and Psychology.

CONCENTRATION (21 credits)

To complete a concentration in Cognitive Science students must complete 7 courses for a total of 21 credits including:

CSC 1051 - Algorithms & Data Structures I

CSC 4500 - Artificial Intelligence OR CSC 4510 - Machine Learning

PHI 4610 - Philosophy of Mind

PSY 4500 - Cognitive Psychology

CGS 5900 - Cognitive Science Seminar

Plus two electives from the list of approved Cognitive Science courses which can be found at

<http://wwwI.villanova.edu/villanova/artsci/cogsci/undergrad/concentration.html>

Communication

Chair: Maurice Hall, Ph.D.

Office Location: 28 Garey Hall

Telephone: 610-519-4750

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

Course Descriptions: <http://www.artsci.villanova.edu/courses/communication.html>

Acceptance: Two of the Introductory courses (see below) and a minimum GPA of 2.5 are required to declare the major. Students who are considering going abroad **MUST** take either COM 1000 and COM 1200 **OR** COM 1100 and COM 1200 to meet this requirement.

MAJOR (36 credit hours)

COM 1000, COM 1100 and COM 1200 are entry-level required courses and should be taken in the freshman and/or sophomore years. Either COM 4001 or COM 4002 should be taken in the junior year or prior to taking the required capstone, COM 5050. COM 1200 is a prerequisite for COM 4001/4002.

After enrolling in COM 1000, 1100, and 1200, and declaring the Communication major, students will consult their academic advisers and choose either to design their own major specialization or will choose one (or more) of the following specializations: *Public Relations, Journalism, Organizational Communication, Media Studies, Media Production, Rhetorical Studies, Performance Studies, and Interpersonal Communication*. Based upon the selection of specialization, students will take two (2) courses at the Theory (2000) level and five (5) courses at the Advanced Topics (3000) level (from at least three different specializations). A complete listing of specialization requirements and courses is available in the on the departmental Web page or in the departmental office.

Students wishing to design their own specialization will choose to take any two (2) courses at the Theory level, five (5) courses at the Advanced Topics level (from three different specializations), and all required courses. *Note: Some specializations will require Communication majors to complete internships, which(if completed for credit) will be used to satisfy free electives for the College of Liberal Arts and Sciences.*

MINOR (15 credits)

COM 1000 plus any four courses from the major course offerings. Students wishing to take an Internship must complete four Communication classes prior to applying for an internship. *For details on specific minors created for non-COM majors in the College of Liberal Arts and Sciences, consult the departmental Web site.*

Comprehensive Science

Chair: Robert Styer, Ph.D.

Office Location: 347 Mendel Science Center (in Physics Dept Office)

Telephone: 610-519-4862

Website: <http://www1.villanova.edu/villanova/artsci/compsci.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/compsci/courses.html>

The Comprehensive Science program is designed to allow students interested in the physical and life sciences to get a broad based and thorough exposure to a full spectrum of scientific concerns and practices. The information provided here is a basic outline of the comprehensive science requirements. The elective courses taken may vary based upon special interest or concentrations selected by the student.

MAJOR:

Required Courses: CSC 1051, BIO 2105, BIO 2106, CHM 1151, CHM 1103, CHM 1152, CHM 1104, MAT 1500, MAT 1505, MAT 4310, PHY 2410, PHY 2411, as well as one Physics course selected from the following PHY 2412 and lab or PHY 2414 and lab, and one Mathematics course selected from the following: MAT 2500, MAT 2705, or CSC 1300.

Additionally, students must complete at least seven (7) science electives with appropriate laboratories chosen in consultation with the student's advisor or the program director.

The degree program allows for students to design a concentration in a particular discipline or an interdisciplinary field. Some sample concentrations include: Bio-Chemistry, Biology, Chemistry, Cognitive Science, Environmental Science, Pre-Dental, Mathematics, Pre-Medical, Physics, Pre-Optometry, etc.

Computing Sciences (Computer Science)

Chair: Robert E. Beck, PhD

Office Location: 161 Mendel Science Center

Telephone: 610-519-7307

Website: csc.villanova.edu

Course Description Website: csc.villanova.edu/academics/courses

MAJOR (15 courses)

15 courses in computer science, MAT 1500, MAT 1500, statistics for computing, plus 15 credits in science or mathematics including a year sequence in science for science majors with associated laboratories. Required courses include CSC 1051, 1052, 1300, 1700, 1800, 2053, 2400, 2405, 3990, 4170, 4700, 4790, and three computer science electives. The program emphasizes team-based systems design and problem solving, including team work over several times zones, so that its graduates can become key members of development groups.

MINOR: Computer Science (8 courses)

Required courses include CSC 1051, 1052, 1300, 1700, 2053, 2400, and two computer science electives. The minor provides the opportunity for students in other majors to learn about computing in context and to understand the foundations of computational thinking as an effective problem solving strategy.

MINOR: Information Science (7 courses)

Required courses include CSC 1051, 1052, 1300, 2500, 3400, and two computer science electives. The minor focuses on the acquisition, representation, storage, indexing, manipulation, retrieval, and management of information in all its forms.

MINOR: Information Systems (5 courses)

Required courses include CSC 1051, MIS 2030 or CSC 4480, MIS 2040 or CSC 4700, and two information systems electives. The minor is designed for students who want a formal grounding in the management of information.

MINOR: Media and Technology (7 courses)

Required courses include CSC 2020, CSC 2025, COM 2340, COM 3352 and three electives selected from a list of approved courses. The minor is designed to provide students instruction in information technology, computer programming relevant to media studies, digital media production, project management, and computing ethics.

Criminal Justice

Director: Thomas M. Arvanites, PhD

Office Location: 204 Saint Augustine Center

Telephone: 610-519-4786

Web site: <http://www.villanova.edu/artsci/sociology/undergrad/criminaljustice.htm>

Course descriptions:

<http://www1.villanova.edu/villanova/artsci/sociology/courses/cjdescriptions.html>

Acceptance: A student must have completed CRJ 1000, Introduction to Criminal Justice with a minimum grade of “C+” or higher or have a minimum GPA of 3.0.

MAJOR (30 credits)

The major in Criminal Justice requires the completion of 10 courses (30 credits). A student must allow three full semesters after the declaration of the major to complete all requirements.

Required Courses: CRJ 1000, CRJ 3000, CRJ 3200, CRJ 3300, CRJ 3400, CRJ 5100, CRJ 6500; plus **one of the following:** CRJ 5200, SOC 5300, SOC 5400; and **two electives from the following:** CRJ 3100, CRJ 3330, CRJ 3350, CRJ 3500, CRJ 3700, CRJ 3800, CRJ 3850, CRJ 4000, SOC 2200.

MINOR (5 courses)

Five courses, including CRJ 1000, CRJ 3000, and any three courses listed below. No course toward the minor may be taken S/U. All grades for courses must be “C+” or higher, and no more than one course transferred from another university will be accepted.

Required Courses: CRJ 1000, CRJ 3000; plus **three of the following:** PHI 2140, CRJ 3100, CRJ 3200, CRJ 3300, CRJ 3330, CRJ 3350, CRJ 3400, CRJ 3500, CRJ 3700, CRJ 3800, CRJ 3850, CRJ 4000. 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.

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, our program will emphasize the justice component.

Cultural Studies Program

Program Director: Silvia Nagy-Zekmi, Ph.D.

Office Location: 34I Saint Augustine Center

Telephone: 610-519-3069

Website: <http://www1.villanova.edu/villanova/artsci/culturalstudies.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/culturalstudies/courses.html>

Acceptance: Students must have a minimum GPA of 3.0 to declare the major.

MAJOR (30 credits, 10 courses)

Required Courses: CST 2100, CST 4100 and area requirements: GEN, RACE, CULT

I. Seminars: (6 credits, 2 courses)

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

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.

2. AREA REQUIREMENTS* (9 credits, 3 courses) one course from each area

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

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

C. GEN: Gender relations (3 credits, 1 course)

*Specific courses that qualify for area requirements and electives are announced on the CST website every semester.

3. One course with Global / Digital attribute

4. Electives (15 credits, 5 courses)

The major in Cultural Studies (CST) is one of the new interdisciplinary majors at Villanova. It benefits students by providing a specific understanding the overarching implications of global cultural phenomena. Because of its theoretical and interdisciplinary nature the program is an ideal complementary major to other area studies (AIS, LAS, GIS, GWS, PJ) and to disciplinary majors in the humanities and social sciences (ENG, SPA, FRE, ITA, HIS, COM, PSC, HUM, HS, SOC). Students would benefit from this theory driven program that will give them an edge to compete in an increasingly theory oriented market for graduate programs and other forms of intellectual engagements (publications, journalism, media, to work with NGO's, foundations, and other global organizations).

Economics

Chair: Wen Mao, Ph.D.

Office Location: 2014 Bartley Hall

Telephone: 610-519-4370

Website: <http://www1.villanova.edu/villanova/artsci/eca.html>

Acceptance: A minimum GPA of 2.5 is required to declare the economics major.

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.

MAJOR (30 credits/10 courses – excluding MAT requirements)

Required Courses: MAT 1400 (or MAT 1320 or equivalent), MAT 1430 (or equivalent), ECO 1001, ECO 1002, ECO 2101, ECO 2102, ECO 3132, ECO 4132 plus four economics elective at 3000 or higher.

Students in the College of Liberal Arts and Sciences who specialize in Economics earn the degree of Bachelor of Arts in Economics. 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 (18 credits/6 courses – excluding MAT requirements)

Required Courses: MAT 1400 (or MAT 1320 or equivalent), ECO 1001, ECO 1002, ECO 2101, ECO 2102, and two economics electives at 3000 or higher.

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

Education and Counseling

Chair: Edward G. Fierros, Ph.D.

Office Location: 302 Saint Augustine Center

Telephone: 610-519-4620

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

Course Descriptions: <http://www.artsci.villanova.edu/courses/education.html>

Acceptance: 2.8 GPA minimum, 6 credits in English and 6 credits in math, 2 letter of recommendation and an essay. Secondary Certification candidates apply the first semester of their sophomore year. For details refer to the Undergraduate Student Handbook.

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 and all of the subject matter courses in their field of specialization.

PENNSYLVANIA TEACHER CERTIFICATION: Please see section on Teacher Certification for more information.

MINORS: A minor in Education does not lead to teacher certification but exposes students to the field of education. The Minor in Education requires 15 credits and includes EDU 2202, 3251, 3263, and 4290 and an additional three credits must be earned from among the following: EDU 2201, 2300, 3254, 3258, 3260, 3262, 3265, 3266, 4301. 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.

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.*

English

Chair: Evan Radcliffe, Ph.D.

Office Location: 402 Saint Augustine Center

Telephone: 610-519-4630

Website: <http://www.villanova.edu/artsci/english>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/english/undergraduate/majorinenglish.html>

MAJOR (33 credits)

Required Courses: 2250, 5000, four courses in historical fields

English majors take a range of courses, from required courses (chosen from a number of possibilities) that provide a sense of the historical range and diversity of literature in English to electives covering contemporary writers, film, creative writing, and many more topics. Students can also form tracks (such as Professional Writing, World Literature, or Race and Ethnicity) within the major. English courses are particularly well-suited to helping students become better readers, writers, and analytical thinkers; because of those skills, and because of the breadth of literature, English courses are valuable in all aspects of our lives.

MINOR (15 credits)

Required Courses:

- At least one course in Brit/Irish Lit. (mostly 3000-level)
- At least one course in Amer. Lit. (mostly 4000-level)
- Three electives from English courses 2000 and above

Environmental Science and Studies

Chair: Francis A. Galgano, Ph.D.

Office Location: G67 Mendel Science Center

Telephone: 610-519-3337

Website: <http://www1.villanova.edu/villanova/artsci/geoenv.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/geoenv/courses.html>

Acceptance: All majors and minors require a minimum GPA of 2.50 as a pre-requisite for declaring. Declaration of a minor also requires the permission of the department chair.

MAJOR: Environmental Science (BS) (130 credits/40 courses)

Required Courses: GEV 1050, 1051, 1750, 2310, 4700, 4310, 6200, and 4 environmental lab courses; BIO 3105, CHM 1151, PHY 1100, MAT 1031

An interdisciplinary major that integrates physical and biological sciences to the study of the environment, and the solution of environmental problems. Environmental Science provides an integrated, quantitative, and interdisciplinary approach to the study of environmental systems.

MAJOR: Environmental Studies (BA)(125 credits/40 courses)

Required Courses: GEV 1050, 1051, 1750, 2310, 4700, 4310, 6200, and 2 environmental lab courses; BIO 3105, CHM 1151

Interdisciplinary major that systematically examines human interaction with the environment. This major differs from environmental science and ecology because it focuses more on human interactions and policy, and it includes study in associated subjects, such as: politics, law, economics, sociology, planning, pollution control, natural resources, and the interactions of human beings and nature.

MINOR: Environmental Studies (17 credits/5 courses)

Required Courses: GEV 1050, 1051

Interdisciplinary minor dedicated to protecting environmental quality and achieving sustainable development. This dynamic and interesting minor will expose you to these topics, among many others!

All environmental majors will, along with their environmental studies, participate in a full suite of geo-spatial information science courses, such as Geographic Information Systems, Remote Sensing, and GPS.

Ethics

Program Director: Mark Doorley, Ph.D.

Associate Director: Brett Wilmot, Ph.D.

Office Location: 104 Saint Augustine Center

Telephone: 610-519-4692

Website: <http://www1.villanova.edu/villanova/artsci/ethics.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/ethics/catalog.html>

Acceptance: All students wishing to declare a minor or concentration must have taken ETH 2050 or HON 2050. Those students wishing to pursue a minor must have earned a “B” or higher in the course, students wishing to pursue a concentration must have earned a “C” or higher in the course.

MINOR (4 courses)

Required Courses: Two of the 4 required courses must be in philosophical ethics and two in theological ethics. An e-portfolio is also required for the minor, to be completed in the spring of one’s last year at Villanova; this e-portfolio consists of written work that is representative of the student’s development as a thinker across the courses taken for the minor

CONCENTRATION (5 courses)

Required courses: Track I (Ethics and Healthcare) PHI 2115 and THL 4200 OR THL 5950; Track II (Ethics, Politics and Law) PHI 2400, PHI 3650 OR THL 4300; Track III (Ethics, Economics and Public Policy) PHI 2450/PJ 2600 OR THL 4320 AND PJ 5200/SOC 2950 OR ECO 4200; Track IV (Ethics, Science, Technology and the Environment) PJ 2200 OR PHI 2121 AND HIS 2276 OR HIS 4527. Each student must take two elective courses in their track; electives are specified on the program website.

- Students are required to complete 100 hours of service related to the track they choose; up to 40 hours of previous service while in college can be counted toward the 100 hours. 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.
- 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.

French and Francophone Studies

Chair: Mercedes Juliá, Ph.D.

Office Location: 303 Saint Augustine Center

Telephone: 610-519-7478

Website:

<http://www1.villanova.edu/villanova/artsci/romancelanglit/frenchanditalianstudies/frenchstudies.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/romancelanglit/frenchanditalianstudies/frenchstudies/courses.html>

MAJOR (10 courses above the intermediate level)

The required courses are: FRE1138 (Advanced Grammar) **OR** FRE 1140 (Writing and Stylistics); - FRE2211 (Literature and Culture in the French-Speaking World) **OR** FRE2212 (Literature and Culture in the French-Speaking World II); FRE 3970 (Research Seminar)

MINOR (4 courses above the intermediate level)

Required courses include taking 1131 (Conversation and Composition I), 1132 (Conversation and Composition II) and a choice between 2211 (Literature and Culture in the French-Speaking World I) and 2212 (Literature and Culture in the French-Speaking World II).

Once a sequence of language courses has begun, a student may not revert to a lower-level course. Students may obtain up to six credits through the Villanova summer program abroad in France.

The Department of Romance Languages 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 the language.

For information, please see the web site address above, or contact Dr. Seth Whidden, French and Francophone coordinator seth.whidden@villanova.edu

Gender and Women's Studies

Co-Directors: Jean Lutes, Ph.D. and Lisa Sewell, Ph.D.

Office Location: 488 Saint Augustine Center

Telephone: 610-519-3815

Website: www1.villanova.edu/villanova/artsci/gws

Course Description Website:

www1.villanova.edu/villanova/artsci/gws/academics/courses

MAJOR (30 credits)

Required Courses: 2050, 3000, and 5000

Gender and Women's Studies is an interdisciplinary field that continues to transform scholarship and fundamental assumptions in all areas of the humanities, social and natural sciences, and the professions. The Major requires students to take 10 courses, including three foundational courses: GWS 2050 (Gender and the World); a research seminar in Feminist Theory and Methodology, which can be satisfied by GWS 3000 (Independent Study) or equivalent courses in other disciplines with the approval of the GWS director; and GWS 5000 (Integrating Seminar). GWS majors must also take seven electives, at least two of which must be in the social sciences and two in the humanities. Because gender and sexuality are fundamental to the ways men and women understand themselves, a major or minor in GWS can enhance practically any other field of study.

MINOR (18 credits)

Required courses: 2050 and 5000

Elective courses for the major and minor may be taken in a variety of departments. Electives must be designated with the GWS attribute on the NOVASIS Master Schedule and/or be approved by the GWS director.

Geography

Chair: Francis A. Galgano, Ph.D.

Office Location: G67 Mendel Science Center

Telephone: 610-519-3337

Website: <http://www1.villanova.edu/villanova/artsci/geoenv.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/geoenv/courses.html>

Acceptance: Students wishing to declare a Geography major or minor must have a minimum 2.50 GPA and the permission of the department chair.

MAJOR: Geography (BA) (122 credits/42 courses)

Required Courses: GEV 1001, 1500, 1750, and 4700

Geography is the science that studies patterns on the Earth's surface and the processes that cause them. Geographers study things such as land features, weather, climate, natural resources, people, population, culture, and other phenomena. Modern geography is an all-encompassing discipline that seeks to understand the Earth and all of its human and natural complexities—not merely where objects are, but how they have changed and come to be. Geographers also leave Villanova equipped with a diverse and marketable array of technical skills such as computer cartography, Geographic Information Systems, Global Positioning Systems, satellite imagery and remote sensing.

MINOR: Geography (16 credits/5 courses)

Required Courses: GEV 4700

The Geography minor is designed for students who wish to deepen and/or broaden their knowledge of the world with a distinctive yet flexible program of courses encompassing the relationship between environment and society. The minor allows students to develop a coherent strategy for understanding and explaining the manner in which people and the Earth interact. Students have the opportunity to explore the origins, development, morphology, and processes of landscapes inherited from nature, as well as those institutions and cultural, economic, political, and social patterns associated with the human development, occupancy, organization, perception, and use of these landscapes.

Additional Information Supplied by the Department if space allows: all geography majors and minors can participate in a full suite of geo-spatial information science courses, such Geographic Information Systems, Remote Sensing, and GPS.

Institute for Global Interdisciplinary Studies

Institute Director: Maghan Keita, Ph.D.

Office Location: 36 Garey Hall

Telephone: 610-519-6302

Website: <http://www1.villanova.edu/villanova/artsci/global.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/global/courses.html>

Acceptance: Students must complete an application and essay as pre-requisites to declaring a Global Interdisciplinary Studies major.

MAJOR (36 credits/12 courses and 1 semester of study abroad in non-English speaking country)

Required Courses: GIS 2000: Pro-seminar: Introduction to Global Interdisciplinary Studies; GIS 4752: Research Seminar; GIS 6500: Capstone Colloquium; GIS 6600: Thesis Direction I; GIS 6601: Thesis Direction II; 2 additional GIS courses from GIS 4000 through GIS 6499; 5 additional Electives (above intro level); 12 credits of a Language; 1 semester of Study Abroad in non-English speaking country

The Institute is an academic unit whose primary purpose is to provide students with a set of skills that will foster critical and analytical thinking and problem solving preparing them for responsible global citizenship. The major consists of 12 courses totaling 36 credit hours to complete the degree program, as well as the writing of a Senior Thesis. The central dynamic of the Global Interdisciplinary Studies major is five global interdisciplinary seminars, three of which are mandatory (Introduction to Global Interdisciplinary Studies, the Junior Research Seminar, and the Capstone Colloquium).

In any given curriculum cluster, which is designed by the student, his or her faculty mentor, and the institute director, the student may take up to 10 seminars. Furthermore, students are required to participate in a semester-long study abroad experience, which focuses on language and cultural immersion.

History

Chair: Marc Gallicchio, Ph.D.

Office Location: 403 Saint Augustine Center

Telephone: 610-519-4660

Website: <http://www.villanova.edu/artsci/history/>

Course Description Website: <http://www.artsci.villanova.edu/courses/history.html>

MAJOR (30 credits)

Required Courses

One of the specially designated core history courses

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

History majors must earn 27 credits in history beyond the specially designated core course.

MINOR (18 credits)

For students in the College of Liberal Arts and Sciences, the 18 credit hours must include one specially designated core course.

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

History Minors must earn at least half (9 credits/3 courses) at Villanova University.

Honors

Program Director: Thomas W. Smith, Ph.D.

Office Location: IO6 Garey Hall

Telephone: 610-519-4650

Website: <http://www1.villanova.edu/Villanova/honors.html>

Course Description Website:

<http://www1.villanova.edu/Villanova/honors/academics/courses.html>

Acceptance: Pre-requisites for declaring an Honors Degree: minimum GPA of 3.33. All Honors Program certifications require a minimum overall GPA of 3.33.

MAJOR

Bachelor of Arts, Honors (12 honors courses)

Twelve courses including:

- The Humanities Seminar HON 2550 or the Social Science Seminar HON 2560
- A six-credit HON 6000 & HON 6002 senior thesis, and
- Three upper level courses which may be used to fulfill core requirements

Bachelor of Science, Honors (10 honors courses)

Ten Honors courses including:

- The Natural Science Seminar, HON 2570.
- A six-credit HON 6000 & HON 6002 senior thesis, and
- Three upper level courses which may be used to fulfill core requirements

CONCENTRATION (8 courses/3 upper level)

The Honors Program Interdisciplinary Concentration is open to students in all Colleges. All Honors Program certifications require a minimum overall GPA of 3.33.

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 course 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.

Humanities

Chair: Kevin Hughes, Ph.D.

Office Location: 304 Saint Augustine Center

Telephone: 610-519-6165

Website: <http://www.villanova.edu/villanova/artsci/humanities/>

Course Description Website: www.villanova.edu/villanova/artsci/humanities/courses/

The Department of Humanities offers a coordinated series of seminars and courses designed to inquire into the human condition from an interdisciplinary perspective. Drawing on wisdom ancient and new, the curriculum encourages critical thinking about what is needed for human flourishing. Humanities faculty are specialists in complementary disciplines, including theology, philosophy, literature, political science, history, economics, and architectural history. Humanities courses fulfill certain requirements for the Core Curriculum of the College of Liberal Arts and Sciences.

MAJOR (30 credits)

The Humanities major requires the completion of **ten courses**. All majors are required to take the four Gateway courses: **HUM 2001:** God, **HUM 2002:** Human Person, **HUM 2003:** World, **HUM 2004:** Society. In their final semester students also take the Senior Symposium (**HUM 6500**). Students then take **five free electives**, three of which must be taken within the Department of Humanities.

MINOR (15 credits)

Students take two of the four Gateway courses listed above plus three electives, two of which must be taken in the Department of Humanities. This makes a total of **five courses** required to complete the minor.

Irish Studies Program

Program Director: Joseph Lennon

Office Location: 455 Saint Augustine Center

Telephone: 610-519-4647

Website: <http://wwwI.villanova.edu/villanova/artsci/irishstudies.html>

Course Description Website:

<http://wwwI.villanova.edu/villanova/artsci/irishstudies/undergrad.html>

CONCENTRATION (15 credits)

One required English and one required History course are pre-requisites for completing an Irish Studies concentration: either ENG 2450 or ENG 2500 and either HIS 2286 or 3216.

Irish Studies explores the history and culture of the Irish people in Ireland and the Irish diaspora from a variety of disciplines—literature, history, theater, art, politics, music, folklore, and economics. A series of two four-credit courses in the the Irish language may also be taken for credit and to complete the language requirement for the College of Arts and Sciences. The program is open to students from all colleges and hosts a lively series of readings, lectures, performances, and celebrations. Interested students may also study in Ireland in a Semester Abroad program or through the Villanova Summer in Ireland Program. Details are available through the Irish Studies office.

Italian

Chair: Mercedes Juliá, Ph.D

Program Coordinator: Gaetano Pastore, Ph.D.

Office Location: 303 Saint Augustine Center

Telephone: 610-519-4696

Web Site:

<http://www1.villanova.edu/villanova/artsci/romancelanglit/frenchanditalianstudies/italianstudies.html>

Course Descriptions:

<http://www1.villanova.edu/villanova/artsci/romancelanglit/frenchanditalianstudies/italianstudies/courses.html>

MAJOR (10 courses above the intermediate level)

In the cordial environment of the Italian Division of the Department of Romance Languages, students are encouraged and assisted in discovering different aspects of the Italian Language, Literature, and Culture. Students majoring in Italian must take ten courses above the intermediate level, including the following required courses: Italian 1138 –Advanced Grammar or Italian 1140-Writing and Stylistics in Italian, Italian 2211 –Survey of Italian Literature I or Italian 2212 –Survey of Italian Literature II, Italian 3950 -Research Seminar

MINOR (4 courses)

The minor consists of four courses above the intermediate level. At least one of these courses must be level 3000 or higher. The student's program must be approved by the coordinator. The Italian Honors Program is open to students who maintain an overall grade-point average of 3.0 and an average of 3.4 or higher in Italian. Prospective candidates must apply with the program director.

Majors and minors can earn some of their credits through the six-week summer program in Urbino/Florence or through semester-long programs held at various academic centers located in Urbino, Perugia, Rome, Milano and Florence. Students can earn six credits in the summer and up to fifteen credits in semester-long programs. Majors (and minors), however, need to take at least 50% of their required courses at Villanova in order to earn a Bachelor of Arts degree in Italian from Villanova University.

Japanese Language and Culture

Program Director: Maghan Keita, Ph.D.

Office Location: 34B Garey Hall

Telephone: 610-519-4701

Website:

<http://www1.villanova.edu/villanova/artsci/global/criticallangs/japanese.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/global/criticallangs/japanese/courses.html>

MINOR (6 courses)

The minor in Japanese Language and Cultural Studies requires six courses. JPN 1111/1112; JPN 1121/1122; and two JPN electives.

The Japanese Language and Cultural Studies program offers a variety of courses that cover a multitude of areas of language and cultural study of various aspects of Japan life from traditional to popular culture, society, literature, film, and even culinary culture.

Japanese Language and Cultural Studies represents a cutting edge intellectual experience that provides its minors with a real advantage in critiquing, understanding, and navigating the global landscape.

Latin American Studies

Program Director: Satya Pattnayak, Ph.D.

Office Location: 273 Saint Augustine Center

Telephone: 610-519-4773

Website: <http://www.villanova.edu/villanova/artsci/latinamerstudies.html>

MAJOR (30 credits)

The new Latin American Studies Major requires 10 courses:

1. Language Requirement: Two (2) courses of advanced Spanish or advanced Portuguese language or literature courses
2. One Capstone Seminar (LAS 3950 or SOC 6500)
3. Three Broad thematic courses, one each in the Humanities, Social Sciences, and History.
4. One course in Research Methods.
5. Three electives with options for Internship and Independent Study
6. One semester of Study Abroad: Students are mandated to spend a semester abroad (or two summers abroad) at a university in Latin America and can satisfy multiple requirements of acquiring linguistic skills, cultural immersion, and course requirements.

MINOR (21 credits)

The LAS minor requires 7 courses:

- Language Requirement: Two (2) courses of intermediate Spanish or intermediate Portuguese language.
- One Capstone Seminar (LAS 3950 or LAS 6500)
- Four electives (4 courses)

Liberal Arts Major

Contact: Trudi Tedjekse, Assistant Dean for Undergraduate Students

Office Location: 107 Saint Augustine Center

Telephone: 610-519-8900

MAJOR (30 credits/10 courses)

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 Location: 305 Saint Augustine Center

Telephone: 610-519-4850

Website: www.villanova.edu/artsci/mathematics

Course Description Website:

<http://www.villanova.edu/villanova/artsci/mathematics/courses.html>

MAJOR (Mathematics) (58 credits/19 classes)

Required Courses: 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 2410/2411 and 2412/2413; a third science course, either three credit plus an appropriate lab or four credit, such as CSC 1051. All science courses must be at the science-major level.

MINOR: Mathematics (8 courses)

Pre-requisites for a minor: Students should declare his/her intention in sophomore year by filling an application with the Math Minor coordinator.

Required Courses: MAT 1500, 1505, 2500, 2600, plus four courses chosen from MAT 2705 and MAT courses numbered 3000 or higher. Students may petition to substitute an approved upper division course (e.g. CSC 4170, ECE 3720, ECO 3138, PHY 4204, 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 GPA in their Mathematics courses.

MINOR: Statistics (5 courses/15 credits)

Pre-requisites for a minor in Statistics: MAT 1500, MAT 1505, MAT 2500.

Required Courses: MAT 4310, 4315, 5700, plus 2 electives as determined by the department.

Check with the Department of Mathematics and Statistics in SAC 305 for additional information.

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 Donald J. McDannald, U.S. Army

Office Location: 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.

Students can participate in the first two years of Military Science instruction (MS 101, MS 102, MS 201, MS 202) with no obligation to remain in the program or to the Army.

MINOR (18 credits)

Students who successfully complete all military science courses 101 through 402 will earn a minor in military science.

Center for Peace and Justice Education

Program Director: Kathryn Getek Soltis, Ph.D.

Office Location: IO6 Corr Hall

Telephone: 610-519-4499

Website: <http://www1.villanova.edu/villanova/artsci/peaceandjustice.html>

Course Description Website:

http://www1.villanova.edu/villanova/artsci/peaceandjustice/minor_concentration.html

MINOR (18 credits/5 courses)

The Peace and Justice minor requires students complete a minimum of 5 courses including fulfilling the foundational course requirement.

Six courses, including one of the foundational courses (PJ 2250 Violence and Justice in the World; PHI 2450 Catholic Social Thought; 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 with a Peace and Justice attribute, or courses otherwise earning Peace and Justice credit. **Note:** *No more than three foundational courses may receive credit for the minor.*

CONCENTRATION (24 credits/8 courses)

To complete a Concentration in Peace and Justice students must take eight courses, including one of the foundational courses (PJ 2250 Violence and Justice in the World; PHI 2450 Catholic Social Thought; PJ 2700 Peacemakers and Peacemaking; PJ 2800 Race, Class and Gender; PJ 2900 Ethical Issues in Peace and Justice) and seven other courses in Peace and Justice, courses with a Peace and Justice attribute, or courses otherwise earning Peace and Justice credit. **Note:** *No more than three foundational courses may receive credit for the minor.*

Philosophy

Chair: John Carvalho, Ph.D.

Office Location: 108 Saint Augustine Center

Telephone: 610-519-4690

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

Course descriptions: <http://www.villanova.edu/artsci/philosophy/courses/>

The philosophy department offers rigorous courses that help students better understand the world and their place in it. Philosophy courses help develop critical and analytic skills, clear and precise writing, and an ability to reflect on and critically evaluate new and unfamiliar concepts.

MAJOR (11 courses)

In addition to taking PHL 1000 (Knowledge, Reality, Self), philosophy majors take ten additional courses including the History of Philosophy Sequence (PHI 3020, PHI 3030, and Phi 3040), five courses numbered 2010 or higher, and two capstone courses numbered 5000 or higher. With permission of the Chair, students may substitute certain upper division electives for courses in the History of Philosophy Sequence and seminars in Honors for the capstone courses.

There are two options for completing the major:

- Thesis path. Students work out a series of courses with their departmental adviser, culminating in a thesis, which serves as one of their capstone courses.
- Track path. Students chose a track within the major, by selecting at least three of their upper division electives in one of seven track areas: Pre-Law, Social Political Philosophy and Ethics, Cognitive Studies, Cultural Studies, Continental Philosophy, History of Philosophy, Philosophy and Religion.

DOUBLE MAJORS

Because of the interdisciplinary nature of Philosophy, the Department welcomes and encourages double majors. With the permission of the Chair, Philosophy double majors may count two related courses from the second major toward fulfilling the Philosophy Major requirements.

MINOR (5 courses)

Philosophy minors take PHL 1000 and four additional upper division philosophy courses, with no more than two from the following list: PHL 1000, PHL 2010, PHL 2030, PHI 2115, PHI 2150.

Physics

Chair: Philip Maurone, Ph.D

Office Location: 347 Mendel Science Center

Telephone: 610-519-4860

Website: <http://www1.villanova.edu/villanova/artsci/physics.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/physics/courses.html>

MAJOR (136 credits)

The **BS in Physics** is for the student who wants to be a professional physicist or go onto graduate school in physics. The **BA in Physics** is for the student who wants 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 used these slots for the minor in another area.

There is a senior research option.

MINOR

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 upper-level physics electives.

The Minor in Applied Physics for Math Majors requires all the Math courses required for a Math degree, plus MAT 4310, PHY 2410/II, through PHY 2416/17, PHY 3310/33II, and PHY 4301/4303.

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.

Political Science

Chair: Matthew Kerbel, Ph. D.

Office Location: 202 Saint Augustine Center

Telephone: 610-519-4710

Website: <http://www.villanova.edu/artsci/psc/>

Course Description Website: <http://www.artsci.villanova.edu/courses/psc.html>

MAJOR (30 credits)

Two introductory courses PSC 1100 and PSC 1200, PSC 1900, and PSC 6900 are required. The introductory courses must be taken as prerequisites before certain elective courses. The senior seminar is restricted to Political Science senior majors. Elective courses are divided into three areas: American Government and Public Law, Comparative Politics and International Relations (students must apply at least one month before graduation to receive the IR certificate), and Political Theory and Behavior. 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.

MINOR (15 credit hours): Requirements include the two introductory courses (PSC 1100 and PSC 1200), plus any three advanced courses. Courses taken on a satisfactory/unsatisfactory basis cannot be used to satisfy requirements for the minor.

CONCENTRATION: A political science major may choose to earn one or more concentrations within political science in Pre-Law, Public Administration, Political Theory, International Studies, and National Security Studies. Each concentration consists of nine credits in Political Science beyond the 30 credits required for the major and should work with their advisor to ensure all requirements are met. Students earning a concentration receive a certificate at graduation. The concentration does not appear on the student's transcript.

Please see the department website for details about the five year BA/MA program, certificates, and other PSC programs.

Portuguese

Chair: Mercedes Juliá, Ph.D.

Office Location: 303 Saint Augustine Center

Telephone: 610-519-7478

Website:

<http://www1.villanova.edu/villanova/artsci/romancelanglitspanishandportuguesestudies/portuguesestudies.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/romancelanglit/spanishandportuguesestudies/portuguesestudies/coursedescriptions.html>

The Department offers Introduction Portuguese I since Fall 2010 and Introduction to Portuguese II since Spring 2011. Intermediate Portuguese I and Intermediate Portuguese II are now being also offered. These four semesters of Portuguese will satisfy the College's requirement for foreign languages. The Portuguese requirements are just like that of Spanish.

For more information, please go to the website above, or contact Ms. Celeste Mann, coordinator of Portuguese. Celeste.Mann@villanova.edu

Psychology

Chair: Thomas C. Toppino, Ph.D.

Office Location: 334 Tolentine Hall

Telephone: 610-519-4722

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

Course descriptions:

<http://www1.villanova.edu/villanova/artsci/psychology/courses.html>

Acceptance: To declare a major in Psychology students must have completed General Psychology (PSY 1000 or HON 1811) or have AP credit for General Psychology. In addition, must have a grade of C+ or higher in General Psychology or have an overall minimum GPA of 3.00.

MAJOR (31 credits)

Because of course pre-requisites, students should expect that completion of the major will require at least four semesters after their formal declaration of the major.

Required Courses: PSY 1000, PSY 4000, PSY 4050, PSY 4100 or PSY 4125, PSY 4150, PSY 4200, PSY 4500, and 12 psychology elective credits (four 3-credit elective courses). Courses taken on a satisfactory/unsatisfactory basis cannot be used to satisfy requirements for the major.

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.

MINOR (15 credits/5 courses):

General Psychology (PSY 1000 or HON 1811) is a pre-requisite for all other courses in psychology. PSY 1000 General Psychology plus any combination of four additional 3-credit undergraduate courses in psychology. Courses taken on a satisfactory/unsatisfactory basis cannot be used to satisfy requirements for the minor.

Russian Area Studies Concentration (RASCON)

Program Director: Lynne Hartnett

Office Location: 437 Saint Augustine Center

Telephone: 610-519-7219

Website: <http://www1.villanova.edu/villanova/artsci/russianarea.html>

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 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, 4701, 4995; 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 student to synthesize knowledge obtained in the electives as they engage a topic of particular interest.

Russian Language and Culture

Program Director: Maghan Keita, Ph.D.

Office Location: 37A Garey Hall

Telephone: 610-519-6952

Website:

<http://www1.villanova.edu/villanova/artsci/global/criticallangs/russian.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/global/criticallangs/russian/courses.html>

MINOR (6 courses)

The minor in Russian Language and Cultural Studies requires six courses. RUS 1111/1112; RUS 1121/1122; and two RUS electives.

The Russian Language and Cultural Studies Program offers courses that cover the study of multiple aspects of Russian language and cultural studies including literature, culture, folklore, music, film, journalism, and new media. This allows students to become familiar with Russian culture and society and the life experiences of Russians.

Russian Language and Cultural Studies represents a cutting edge intellectual experience that provides its minors with a real advantage in critiquing, understanding, and navigating the global landscape.

Sociology

Chair: Robert H. DeFina, PhD

Office Location: 204 Saint Augustine Center

Telephone: 610-519-4742

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

Course descriptions:

<http://www1.villanova.edu/villanova/artsci/sociology/courses/socdescriptions.html>

Acceptance: A student must have completed SOC 1000, Introduction to Sociology with a “C+” or higher or have a minimum GPA of 3.0.

MAJOR (30 credits/10 courses)

A student must allow three full semesters after the declaration of the major to complete all requirements.

Required courses: SOC 1000, SOC 6500, **one theory course** from SOC 5000 /SOC 5050 /SOC 5100, and **one research course** from SOC 5300 /SOC 5400, CRJ 5200. Students must also take six sociology or criminal justice courses not including CRJ 1000, CRJ 3300, CRJ 3850, or CRJ 5100.

MINOR (15 credits)

The minor in Sociology requires the completion of 15 credits, including SOC 1000, Introduction to Sociology and four other sociology courses from the departmental offerings. All grades for courses must be “C+” or higher. 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.

Sociology is a perspective for understanding human behavior, and holds that people’s actions are largely a response to the conditions and situations in which they live. Human beings make decisions, but they make them under circumstances not of their own choosing. It is our mission to empower students to think critically about societies. The sociological perspective systematically analyzes human behaviors by exploring the tension between decision making and life circumstances.

Spanish

Chair: Mercedes Juliá, Ph.D.

Office Location: 303 Saint Augustine Center

Telephone: 610-519-7478

Website:

<http://www1.villanova.edu/villanova/artsci/romancelanglit/spanishandportugueseestudies/spanishstudies.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/romancelanglit/spanishandportugueseestudies/spanishstudies/coursedescriptions.html>

MAJOR (10 courses)

Majors in Spanish are required to take 10 courses above the intermediate level, including the following required courses: SPA1138 (Advanced Grammar) OR SPA1140 (Writing and Stylistics in Spanish); SPA2211 (Literature and Cultural Experience of Spain) OR SPA2212 (Literature and Cultural Experience of Latin America); SPA 3970 (Research Seminar).

MINOR (4 courses above the intermediate level)

To Minor in Spanish, students are required to take four courses above the intermediate level, including SPA 1131 and 1132.

Once a sequence of language courses has begun, a student may not revert to a lower-level course. Students may obtain up to six credits through the Villanova summer program abroad in Cádiz (Spain), as well as credits through the Villanova Semester abroad program in Cádiz, Spain.

The Department of Romance Languages 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 the language.

For information, please see the web site above, or contact Salvatore Poeta, Ph.D., Spanish coordinator, salvatore.poeta@villanova.edu

Sustainability Studies

Program Director: Dr. Paul C. Rosier

Office Location: 441 Saint Augustine Center

Telephone: 610-519-4677

Program Website:

MINOR (18 credits/6 courses)

Required Courses: Seminar in Sustainability Studies

The Minor in Sustainability Studies offers students an opportunity to study one of the most pressing issues of the 21st century via an interdisciplinary program supported by professors from the schools of Liberal Arts and Sciences, Engineering, and Business. This minor is open to all undergraduate students at Villanova University. Students select two courses from each of the three “stems”: Humanities, Social Science, and Technology for a total of 18 credits. Only one class may be taken elsewhere. All students must take the Seminar in Sustainability Studies. Students may count 2 classes within their major towards the minor. Students must be aware of course prerequisites when forming a plan of study.

Teacher Certification

Chair: Edward G. Fierros, Ph.D., Department of Education and Counseling

Office Location: 205 Saint Augustine Center

Telephone: 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.

AREAS OF CERTIFICATION: Biology, Chemistry, Citizenship, Communication, English, French, General Science, German, Italian, Latin, Mathematics, Physics, Spanish, Social Studies

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

Chair: Rev. David Cregan, O.S.A.

Office Location: 205 Saint Augustine Center

Telephone: 610-519-4760

Website: <http://www.villanova.edu/artsci/theatre/academics/undergraduate>

Course Description Website:

<http://www.villanova.edu/artsci/theatre/academics/undergraduate/courses.htm>

Minor (5 courses and practicum)

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.

Theology and Religious Studies

Chair: Peter Spitaler, Th.D

Office Location: 203 Saint Augustine Center

Telephone: 610-519-4730

Website: <http://www.villanova.edu/artsci/theology/>

Course Website: <http://www.artsci.villanova.edu/courses/theology.html>

MAJOR (11 courses)

Eleven courses, including the required THL 1000; five required upper-level courses, four elective courses, and one advanced seminar. The *five required courses* include one course in Biblical Studies; one course in Historical Studies; one course in Theological Studies; one course in Christian Ethics; and one course in Religion. Students choose the *four elective* courses from all Theology and Religious Studies course offerings. Also, students may select a minimum of three elective courses to *develop a concentration*. The remaining fourth course is a free elective (students may select *one elective course from another department* that complements their program). Because studying Theology is an interdisciplinary venture we encourage and welcome *double majors*.

MINOR (6 courses): To fulfill requirements for the Minor of Arts in Theology and Religious Studies, a student takes six courses offered by the Theology and Religious Studies department. The requirement includes THL 1000 and five elective courses.

5-YEAR BA/MA: The combined Bachelor/Master degree program is open to especially qualified students. It permits the completion of the BA in Theology and Religious Studies and the MA in Theology in an accelerated timeframe of only five years. The expenses for five graduate courses are covered through a combination of undergraduate tuition (up to four courses) and tuition remission awarded by the Dean of Graduate Studies. Thus, students are responsible for paying for only seven graduate courses.

Writing and Rhetoric

Program Director: Karyn Hollis, Ph.D.

Office Location: 458 Saint Augustine Center

Telephone: 610-519-7872

Website: <http://www1.villanova.edu/villanova/artsci/writingrhetoric.html>

Course Description Website:

<http://www1.villanova.edu/villanova/artsci/writingrhetoric/concentrationreq.html>

MINOR (18 credits/6 courses)

- GPA Requirement = 3.0
- Students must complete 18 credit hours comprising 6 courses. Additional requirements include passing a self-administered (WebCT) exam on grammar, punctuation and style.

CONCENTRATION (24 credits/8 courses)

- GPA Requirement = 3.0
- Students must complete 24 credit hours comprising 8 courses. Additional requirements include passing a self-administered (WebCT) exam on grammar, punctuation and style, compiling a writing clip book and e-portfolio of the student's best work (<http://www1.villanova.edu/villanova/artsci/writingrhetoric/yourwork.html>).

This program will provide you with the writing, speaking and critical thinking skills that assure academic and career success. Peruse our web page to discover more about the CWR, a truly foundational intellectual experience. The self-administered (WebCT) exam can be found at <http://www1.villanova.edu/villanova/artsci/writingrhetoric/concentrationreq/exam.html>

Part VII: The Grading System

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)

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 MyNOVA 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.

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.

Example of GPA Calculation

$$\text{GPA} = \frac{\text{Total Quality Points}}{\text{Total Attempted Credits}}$$

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

$$\text{GPA} = \frac{27}{15} = 1.80$$

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.

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.

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>

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.

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.

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.

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 VIII: Selected University/College Policies

Unless otherwise noted, the College of Liberal Arts and Sciences follows the general University academic policies and regulations listed in the University Catalog. It is the responsibility of the student to know and comply with all academic policies and regulations of the University and the College of Liberal Arts and Sciences. Such policies may change without prior notice. The following policies are a sample of University and College policies that are frequently referenced by students and are intended for summary purposes only.

- **Academic Dismissal:** A student who has not met the academic standards of a college (as determined by the Academic Standing Committee) will be dismissed from the college. The Assistant Dean for Undergraduate Students will inform that student of the dismissal as soon as possible. Typically the student will be allowed to appeal that dismissal to the Academic Standing Committee and the Assistant Dean for Undergraduate Students. There is no additional process of appeal beyond the Assistant Dean. In some cases (e.g., when the student has had previous warnings or been on probation), the student may, at the determination of the college, be dismissed without right of appeal. The full text of this policy is available at

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

- **Academic Integrity:** Academic integrity is vital to any university community for many reasons. Students receive credit for doing assignments because they are supposed to learn from those assignments, and the vast majority do so honestly. Anyone who hands in work that is not his or her own, or who cheats on a test, or plagiarizes a paper, is not learning, is receiving credit dishonestly and is, in effect, stealing from other students. As a consequence, it is crucial that students do their own work. Students who use someone else's work or ideas without saying so, or who otherwise perform dishonestly in a course, are cheating. In effect, they are lying. Such dishonesty, moreover, threatens the integrity not only of the individual student, but also of the university community as a whole. The full Academic Integrity Policy can be found at

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

- **Academic Probation:** The record of any student whose cumulative or semester grade point average falls below 2.00 will be reviewed by the Academic Standing Committee for appropriate action. Students in science whose technical courses' quality point average falls below 2.00 will also come before the committee.

Typically, the student will either be placed on academic probation or dismissed. A student on academic probation will normally be allowed only one semester to raise his or her grade point average to the required minimum. While on academic probation, a student may not participate in any extracurricular activities and is limited to a schedule of 4 courses. The full policy regarding academic probation is available at

<http://www.villanova.edu/vpaa/office/student-services/policies/standing.htm>

- **Academic Progress:** To qualify for a bachelor's degree, a student must earn a cumulative grade point average of at least 2.00 (in addition to completing the studies prescribed for the degree sought). In circumstances involving those students who have entered Villanova University through the Academic Advancement Program, satisfactory progress of the student will be determined by the Academic Standing Committee and/or Assistant Dean for Undergraduate Students. In the event that, due to poor high school preparation, additional time is necessary for the student to complete the requirements towards graduation, the student will be viewed as being in a five year program. Satisfactory progress will be viewed accordingly.

- **Attendance:** Class and laboratory attendance for first year students is mandatory. 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. For students beyond the first year, attendance policies are determined by the instructors of the various courses. The full policy regarding attendance is available at

<http://www.villanova.edu/vpaa/office/student-services/policies/attendance.htm>

- **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.

- **Complaints Against Faculty:** Student complaints concerning an instructor's handling of a class, classroom presentation, professional demeanor, or course policies should be directed to the chair of the faculty member involved. Normally, such complaints should be made within six months of the end of the course in which the complaint arose. If the complaint is against the chair the procedures will be modified in accordance with the University's policy regarding complaints

against faculty. The full policy and guidelines for enforcement are available at <http://www.villanova.edu/vpaa/office/student-services/policies/gradeappeals.htm>

- **Confidentiality:** Villanova University's student records policy was established in accordance with the Family Educational Rights and Privacy Act (FERPA) of 1974 as amended. The complete policy can be viewed in the current Villanova University Catalog. Students who do not wish directory information to be made public must complete and submit a Student Record Confidentiality Request Form, along with photocopied proof of identification. A student's directory information can only be prevented from appearing in publications compiled after the date on which the Office of the Registrar receives the student's request form; to ensure that your directory information is excluded from the student directory and other annual publications, submit your request form within 10 days of when Fall registration opens. To revoke a confidentiality request, contact the Office of the Registrar in person (Tolentine 202) or mail/fax a written request with photocopied proof of identification.

- **Credit by Exam:** To encourage independent study and recognize personal knowledge and mastery of 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 Website at <http://www.villanova.edu/artsci/college/academics/undergrad/challengeexam/>

- **Cross College Majors:** Students matriculated in other Colleges (Nursing, VSB or Engineering) may pursue a major within the College of Liberal Arts and Sciences in addition to their primary program. Students interested in pursuing this option must complete the form available in the Office for Undergraduate Students, SAC 107 and obtain all required signatures. The second major will be noted on the student's official transcript.

- **Disclosure of Student Records:** Villanova University, in accordance with the Family Educational Rights and Privacy Act (FERPA) of 1974, as amended, has adopted a Student Records Policy to address the following issues with respect to education records: (1) disclosure of directory information; (2) confidentiality of personally identifiable information; and (3) student rights to inspect, review and seek amendment of their records. In general, education records are defined as records maintained in any form by the University that are directly related to

a student. The full text of this policy is available at <http://www.villanova.edu/vpaa/office/studentservices/policies/disclosure.htm> .

- **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 OR Liberal Arts and another major.

- **Drop/Add:** During the first five (5) class days of a semester, students are given the option of dropping or adding courses by using their pin number and going online through MyNOVA, or by completion of a paper form available in the Office for Undergraduate Students without incurring academic penalty or affecting the student's official transcript. After this period, students may withdraw from courses but may not add a course.

- **Dual Degree Policy:** Normally, a student may receive only ONE degree, regardless of how many majors s/he earns. Students who have completed all the requirements for two or more degrees – e.g., B.B.A. and B.S.A, or B.B.A. and B.A, or B.A. and B.S.. – must choose which degree to take – unless they have completed 43 or more additional credits beyond the greater of the two program credit requirements, in which case they may receive two degrees and two diplomas. Multiple majors, regardless of college, will appear on a student's transcript.

- **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.

- **Final Exams and Finals Week:** Occasionally students will encounter conflicts in the examination schedule such that two of a student's examinations are scheduled at the same time or three examinations are scheduled on the same day. In the event of such a conflict, the student must notify the instructor at least seven days in advance of the scheduled exam. The instructor will make alternative arrangements for the student to complete the examination. In

resolving conflicts, multiple section exams should take precedence over exams for a single section, and courses in the major should take precedence over non-major courses. Extraordinary difficulties encountered in effecting such an arrangement will be resolved by the Assistant Dean for Undergraduate Students. The full text of this policy is available at <http://www.villanova.edu/vpaa/office/studentsservices/policies/conflict.htm>

- **Grade Appeals:** Student complaints concerning a grade should be directed to the chair of the faculty member involved. The chair shall normally require, but do no less than urge, a student who brings a complaint about a grade in the first instance to try to resolve the matter with the course instructor. That failing, the chair should attempt to resolve the issue between the student and instructor. The chair may consult with others in connection with his or her review of the complaint. Such complaints should be made according to the following deadlines: Spring Semester and Summer Semester grade complaints: Last Friday in August; Fall Semester grade complaints: Last Friday in January. If the complaint is against the chair, it should be directed to the Dean. The full text of the policy and process regarding grade appeals is available at <http://www.villanova.edu/vpaa/office/studentsservices/policies/gradeappeals.htm>

- **Grade Changes:** All grades are permanent except for N and NG, which are temporary grades and must be replaced with grades submitted by the instructor. If a change is not submitted, the N or NG automatically becomes an NF. Students must submit all work to instructors by the last Friday in January (Fall semester) or June (Spring semester). Instructors must submit replacement grades by the second Friday in February (Fall semester) or July (Spring semester).

- **Laboratory Science Accommodation for Student with Disabilities:**

Villanova University recognizes its responsibility to provide alternatives to the laboratory experience for those students who have documented physical disabilities and are unable to perform laboratory work. Mendel Science Experience courses are a part of the Core Curriculum in the College of Liberal Arts and Sciences, and each of these courses is coordinated lecture/laboratory. In the event that a student has a proven disability, verified by a physician, the student should meet with the course professor at the start of the semester to discuss alternative to the co-requisite laboratory. In lieu of a laboratory, an appropriate alternative experience may be obtained by performing library research on a specific topic agreed upon by the student and the professor – one relevant to the course material and equivalent in rigor to a three hour laboratory.

The student and faculty member should fill out a form designating, the topic to be researched, the expectations of the faculty member in terms of coverage, rigor, and due date. Both the faculty member and student should sign and date the form prior to sending it to OUS for review by Dr. Joseph Orkwiszewski, Associate Director.

- **Leave of Absence:** Students who plan to leave the University on a temporary basis should request a Leave of Absence. Official leave of absence from the University must be authorized by the Assistant Dean for Undergraduate Students. Students interested in pursuing a Leave of Absence should contact the Office for Undergraduate Students to review the process and make an appointment with the Assistant Dean for Undergraduate Students. The full text of this policy is available at <http://www.villanova.edu/vpaa/office/student-services/policies/absence.htm>

- **Medical Leave of Absence:** A student may experience physical or psychological conditions that significantly impair the student's ability to function successfully or safely in his or her role as a student. In such cases, the student may decide that time away from the University for treatment and recovery can help restore functioning to a level that will enable the student to return to the University and perform successfully in and out of the classroom. Students interested in pursuing a Medical Leave of Absence should contact the Office for Undergraduate Students to review the process and make an appointment with the Assistant Dean for Undergraduate Students. The full policy is available at <http://www.villanova.edu/vpaa/office/student-services/policies/medicalleaveabsence.htm>

- **Overload Policy:** *The normal course load each semester for full-time students is five courses of three credits or more (excluding labs and other 1-credit courses).* The credit limit set by the Registrar during the pre-registration period is 17-credit hours for Arts students and a higher number for Science students. In order to be granted permission for an overload, a student must have a cumulative grade point average of at least 3.0 (2.75 for the summer), or have achieved senior status and need a sixth course to fulfill graduation requirements.

After all students have had the opportunity to register for five courses, credit limits will be raised by the Registrar for students with a GPA of 3.0 or higher and for seniors in order to allow them to register for a sixth course through MyNOVA using their semester PIN. No paperwork is required.

Students with a GPA lower than 3.0 that need to enroll in more than 17 credits a semester to achieve the normal course load for full time students of five courses will need to have their credit limit raised prior to registering online.

- **Refunds:** Refunds as a result of official withdrawal will be made according to the schedule posted by the Bursar's office at <http://www.villanova.edu/finance/bursar/refunds/schedule.htm> Excluded from the refund calculation will be the costs related to on-campus housing and university meal plans. Activity, library, and medical fees are not refundable. There will be no refund for unauthorized withdrawals. Students who do not register or who notify the Registrar's Office prior to the first day of class that they will not enroll are entitled to a full refund.

- **Residency Requirement for Graduation:** A student must complete the final 30 credit hours of an academic program at Villanova.

- **Scholastic Load Policy (see also Overload):** A student must take a minimum of 12 credits a semester to be a full time student. Permission to take fewer than 12 credit hours may be obtained in exceptional circumstances with the written approval of the Assistant Dean for Undergraduate Students. In the College of Liberal Arts & Sciences, students with a G.P.A. over 3.0 may sign up for an overload with registration for the sixth course possible only after the main registration period is over. No special approval would be needed.

- **Students with Disabilities:** Villanova University strives to provide an environment for personal and intellectual growth of all its students, and also complies with the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973. In order to meet these commitments, Villanova offers educational opportunities and reasonable academic accommodations for the needs of qualified students with disabilities. The University's goal is to provide access and reasonable accommodations in helping the students achieve those expectations. Services for students with physical disabilities are coordinated through the Office of Disability Services. Services for students with disabilities that impact on learning are provided by various offices and coordinated by Learning Support Services (LSS). The full policy regarding students with disabilities is available at <http://www.villanova.edu/vpaa/office/student-services/policies/disabilities.htm>

- **Transfer Credit from Another Institution:** Once a student has matriculated in a degree program at Villanova University, credit for courses from other universities may only be transferred to Villanova under certain circumstances.

A listing of the guidelines for transfer credit once a student has matriculated and a copy of the full transfer credit policy is available at <http://www.villanova.edu/vpaa/office/student services/policies/transfer.htm>

- **Unauthorized Withdrawal:** Students who leave the University without authorization will be treated as having withdrawn from the University. They may not return to the University without reapplying directly to one of Villanova's colleges.

- **Undergraduates Taking Graduate Level Courses:** Undergraduates may take graduate courses, provided they meet the standards set down by each college: e.g., senior standing (in terms of credits, not in terms of years at Villanova), grade point average, and appropriate permissions (advisor, assistant dean, chair, course instructor). Undergraduates may take a maximum of two graduate courses in any semester. If an undergraduate takes a graduate class, in that semester s/he is limited to taking a maximum of 16 credit-hours of work. Further restrictions and the full policy can be found at <http://www.villanova.edu/vpaa/office/student services/policies/undergradsgraduatecourses.htm>

- **University Withdrawal:** Students who wish to leave and who do not plan to return to the University should request a Withdrawal. Official withdrawal from the University must be authorized by the Assistant Dean for Undergraduate Students. In order to affect an official withdrawal, a student interested should contact the Office for Undergraduate Students to review the process and make an appointment with the Assistant Dean for Undergraduate Students. Students who request an official withdrawal during the semester may be eligible for refund of some or all of the tuition paid for that semester. A student who has withdrawn from the University who wishes to return, must apply directly to the college the student wishes to attend (admission is granted at the sole discretion of the dean of that college). The full policy addressing University withdrawal is available at <http://www.villanova.edu/vpaa/office/student services/policies/universitywithdrawal.htm>

- **Walkers at Commencement:** Each year there are a small number of students who have not fulfilled all of the requirements for May graduation but who wish to participate in commencement exercises with their entering class. Students who have only three or fewer courses remaining to fulfill the requirements for graduation, or who can complete the degree requirements before the beginning of the next Fall Semester, may petition to participate in the graduation ceremony.

The names of all such students throughout the University will not be included in the commencement program until the following May, after they have in fact been graduated. Students may participate in only one commencement ceremony.

Part IX: Important University Resources

The College of Liberal Arts and Sciences collaborates with other University resources, enabling students to realize their full potential personally, educationally, and professionally.

Campus Ministry

St. Rita Hall

Linda Jaczynski: Director, Center for Spirituality and Discernment

Irene King: Director, Center for Service and Social Justice

Joseph Mostardi, OSA: Director, Center for Worship

Joyce Zavarich: Director, Center for Pastoral Ministry Education and Internship

www.campusministry.villanova.edu

610-519-4080

Villanova University encourages faith development and practice among all members of the campus community. The University is a Roman Catholic, Augustinian institution which welcomes people of all religious traditions.

The Center for Spirituality and Discernment reverences the spiritual journey of all peoples and offers programs, workshops, spiritual direction and retreats that encourage reflection and understanding of personal faith. **The Center for Service and Social Justice** is committed to transforming the minds and hearts of the Villanova community through service, advocacy and justice education. **The Center for Worship** is called to celebrate the faith-life of the Villanova community. **The Center for Pastoral Ministry Education** and Internship responds to the growing need to serve the Church by educating the people of God and training leaders through rigorous theological and ministerial education. In all of these, integration into the academic environment, promoting the Augustinian ideal of an intellectual community seeking both knowledge and wisdom illuminated by faith, leadership development and the pastoral care of all constituencies of the University community are highest priorities.

Career Center

Nancy Dudak, Director

119 Garey Hall

610-519-4060

careerservices@villanova.edu

<http://www.villanova.edu/vpaa/careers/>

Employers value Liberal Arts and Sciences Majors, but the challenge for students is in figuring out how to identify and promote the skills and talents developed in their course of study. Career Center staff understand that the career interests of Liberal Arts and Sciences majors are varied and numerous. They work with students to determine career interests and to maximize internship and employment opportunities: interest inventories, *Four Year Plan*, a campus interview program, online job listings, and numerous career fairs and programs. Internship and employment services are managed through GoNOVAJobs found at www.careers.villanova.edu. Programs and services are available for students intending to pursue graduate and professional studies. The Career Center also provides access to the Nova Network where students can connect students with thousands of active alumni

The Patricia B. and Gary M. Holloway University Counseling Center

Dr. Joan G. Whitney, Executive Director

206 Health Services Building

Dr. Norman Pitt, Associate Director

Monday Through Friday, 9 a.m. to 5 p.m.

610-519-4050

<http://www.villanova.edu/studentlife/counselingcenter/>

The Counseling Center helps students deal with personal concerns, relationships, and emotional challenges. Licensed, doctoral psychologists provide personal counseling within a comfortable, compassionate, professional setting. We provide support to students experiencing the normal, developmental, emotional, and social issues common during the college years. Students commonly seek counseling on topics including: stress, adjustment, anxiety, depression, trauma, romantic breakup, family concerns, loneliness, substance abuse, and eating disorders. Available services include: individual counseling, consultation, referral, groups, and educational programs. All contacts are confidential and private and are not recorded on the student's university records. Our Web site includes "virtual brochures" on topics of interest to the university community, and can be accessed at <http://www.villanova.edu/counselingcenter/>.

Dean of Students

Paul Pugh, Dean

213 Dougherty Hall

610-519-4200

<http://www.villanova.edu/studentlife/dean>

The Dean of Students Office is a resource for student concerns, supports students in all aspects of their lives, and assists students in their development as individuals and as members of the community. The Office is comprised of the Dean of Students, Assistant Dean of Students, Assistant Dean of Students for Alcohol and Drug Intervention, an Administrative Assistant, and oversees the International Student/Human Services Office.

The Office promulgates standards and expectations for the student community, monitors student behavior, administers the Code of Student Conduct, oversees the University's disciplinary process, and serves as liaison with various University constituents and local officials.

The Office publishes the *Student Handbook* and *Crossroads: A Student Guide to Living Off Campus* and coordinates *House Call* and *Who's Who in American Universities and Colleges*.

Office of Disability Services

Connelly Center, 2nd Floor

610-519-4095

Office of Disability Services (ODS) is the primary office at Villanova University with specialized knowledge and experience in physical disability issues. ODS also advises faculty on the policies and procedures relevant to students with disabilities and acts as a general information and referral service on disability issues. Students with identified disabilities have been admitted into Villanova University by the same criteria as other students and they have met the same rigorous standards for admission.

The mission of ODS is to ensure that qualified students with disabilities will have equal access to the educational opportunities at Villanova University by eliminating physical and educational barriers. Each student will then be able to participate, freely and actively in all facets of University life. In addition the office was established to ensure that all students with disabilities receive

support services and accommodations to allow them equal access to all Villanova University programs.

Students requesting accommodations for a documented physical or medical disability should contact Stephen McWilliams or Gregory Hannah at 610-519-4095.

Falvey Memorial Library

Joseph Lucia, University Librarian and Director
610-519-4290

Falvey Memorial Library is the gateway to print and electronic information resources and services available to students, faculty, and staff in their academic endeavors. Its more than 750,000 volumes, 10,000 current serial subscriptions, approximately 250 electronic indexes, 10,000 full-text electronic journal subscriptions, and extensive microfilm and audiovisual collections support the informational and research needs of the Villanova community. The Falvey Library homepage on the World Wide Web provides access to many of the services as well as describing policies and procedures of the library.

The library's Web site serves as a gateway to a full range of learning and research support resources and is accessible at: <http://www.library.villanova.edu>.

Office of Health Promotion

Stacy Andes, Ed.D., Director
610-519-7407

<http://www.villanova.edu/healthpromotion>

The mission of Health Promotion is to empower students to create healthy learning environments in which they can make responsible, educated choices to maintain balance. College students are faced with a variety of lifestyle issues each day and the choices they make can have an impact on their Villanova experience and the rest of their lives. Alcohol and other drug use, sleep, fitness, nutrition and relationships are just a few of the more common areas in which college students make important choices. Health Promotion provides print and web resources, one-on-one consultation on topics like smoking cessation, high-risk alcohol use, time and stress management, and eating and exercise; peer-to-peer programming; 3-credit internship experiences; and monthly publications like the Stall Street Journal that features hot health topics.

International Student Services Office

Connelly Center, 2nd floor

610-519-4095

<http://www.students.villanova.edu/iss/>

internationalstudentoffice@villanova.edu

The International Student Advisor's Office is a service provided by the University to aid foreign students in becoming oriented to the University and the community. All international students must register with the Registrar's Office each semester. The International Student Office assists with matters relating to the Department of Homeland Security (DHS) and other U.S. government agencies.

There are a variety of social and cultural programs sponsored through this Office in conjunction with the International Student Association. In addition, the Office offers a comprehensive orientation program at the beginning of the fall semester and English as a Second Language (E.S.L.) courses offered for non-native speakers.

Study Abroad, International Studies Program

Lance Kenney, Director

Middleton Hall, Second Floor

610-519-6412

<http://www.villanova.edu/vpaa/intlstudies>

Students attending Villanova University are encouraged to incorporate international aspects of education into their academic plans. The Office of International Studies (OIS) assists students in identifying opportunities and facilitating the process of enrollment in overseas programs. We offer advising and administrative support services for summer, semester, and year-long overseas study programs, including (but not limited to) direct enrollment in overseas institutions, service-learning opportunities, internships, and/or exchanges with international programs worldwide. We also provide advising for the fulfillment of the overseas requirements for specific programs in the College of Liberal Arts and Sciences (e.g., Global Interdisciplinary Studies, Area Studies, etc.). See the International Studies webpage for more details about requirements students must meet and program credit.

Learning Support Services
Learning Commons in Falvey, Suite 212
610-519-5176
learning.support.services@villanova.edu

Learning Support Services (LSS) offers a variety of academic support services and workshops for undergraduate, graduate, and continuing education students that are designed to help maximize their academic success. Workshops are available in university relevant skills such as time management, study strategies, academic reading, learning styles, test taking, and test anxiety. Scheduled weekly coaching sessions are available for time management and organization. Homework Help sessions are available for Introductory Chemistry and Physics courses. Students of all abilities, including successful students who want to enhance their academic skills and students who are struggling, are encouraged to use the services. Participation is open to registered Villanova students.

Additionally, in conjunction with faculty, LSS provides “reasonable academic accommodations” for students with learning disabilities, other neurologically based disorders, and those disabled by chronic illnesses. Information is available at <http://www1.villanova.edu/villanova/learningsupport.html>.

Math Learning and Resource Center
Melissa Ferreira, Director
Second Floor, Old Falvey
610-519-MLRC
melissa.ferreira@villanova.edu

The Mathematics Learning and Resource Center (MLRC) is a center for student learning excellence. At the MLRC, students gather to discuss mathematics, to work on group projects, or to study independently. During its hours of operation (Monday through Thursday: 1 to 5 p.m. and 6:30 to 9 p.m., and Sunday: 6:30 to 9 p.m.), the MLRC is staffed by tutors who help students with all first- and second-year math courses. The MLRC also has a computer lab with 13 computers, capable of running the mathematical software currently being used in math courses offered at the University. There is also a comprehensive collection of review materials, which students may use for independent learning. For more information visit our website at www.villanova.edu/mlrc.

Center for Multicultural Affairs

Terry Nance, Ph.D., Assistant Vice President

102 Dougherty Hall

610-519-4075

The Center for Multicultural Affairs assists the University in providing an inclusive educational experience founded on Augustinian principles. The Center for Multicultural Affairs provides a welcoming atmosphere and services to support the University's mission of respecting individual differences and adhering to the principle that mutual love and respect should animate every aspect of University life. Through its multi-faceted programs (Academic Advancement Program, St. Thomas of Villanova Scholars Program, ACTIVE-Retention Program and Intergroup Dialogue), the Center undertakes the challenge of meeting many goals stated in Villanova's Mission Statement, and new Strategic Plan.

Through our work, The Center for Multicultural Affairs envisions Villanova University as a culturally diverse, academically distinctive learning community where all members live empathically and lead effectively.

Public Safety

David Tedjeske, Director

Farrell Hall

610-519-4444 – emergency

610-519-6979 – non-emergency

<http://www.villanova.edu/publicsafety/about>

The Public Safety Department is responsible for providing a safe secure living, learning environment for the Villanova University community. Officers are on duty 365 days a year and provide immediate response to all types of emergencies on campus. The Department provides services in the areas of patrol, investigations, parking enforcement, residence hall protection, building security, crime prevention, and special event security.

Office of the Registrar

202-204 Tolentine Hall

610-519-4032

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

The Office of the Registrar provides academic support for students, faculty, and alumni, as well as parents and visitors. The primary duty of the Office of the Registrar is to maintain complete, accurate, and current information about our students' academic records. The Registrar oversees course registration, changes of address, transcript and verification requests, and graduation and diploma information. For more information, please visit the Office of the Registrar online.

Residence Life

Tom DeMarco, Director

Kennedy Hall

610-519-4154

residencelife@villanova.edu

The Office for Residence Life oversees on-campus housing assignments and manages the day-to-day operations of Villanova's 26 residence halls. Their main office is conveniently located in the center of campus on the 2nd floor of Kennedy Hall. They also have offices in St. Mary's, Stanford and Sullivan Halls. The Office for Residence Life strives to create a welcoming residential community and to maintain a comfortable and safe environment for students residing in the residence halls. More information on the Office for Residence Life can be found at <http://www1.villanova.edu/villanova/studentlife/reslife.html>

Office of Student Development

Tom Mogan, Director

214 Dougherty Hall

610-519-4210

The Office of Student Development enriches the student collegiate experience and serves the campus community through the active involvement of students, faculty, and staff in quality programs and organizations. Dedicated to the Augustinian mission of the University, the Office of Student Development seeks to foster the growth of the total person – one who builds community, values differences, leads ethically, and serves others. To this end, the office provides a variety of services, programs, and activities which enhance campus

life. The Office of Student Development oversees the following areas: fraternity and sorority life, student leadership development, Rays of Sunshine community service, multicultural education and programming, campus programming, the Student Government Association, Special Olympics, student media organizations, and student organization support. Please go to www1.villanova.edu/villanova/studentlife for more information or stop by 214 Dougherty Hall.

Student Health Service

Mary McGonigle, D.O., Director

Health Services Building

610-519-4070

The Villanova University Student Health Center is staffed by registered nurses 24 hours a day. The Student Health Center is open with limited hours during semester breaks and over the summer. Physicians and nurse practitioners are available weekdays by appointment. Gynecologic services are provided by the nurse practitioners by appointment. Registered nurses provide 24 hour care to students who require inpatient treatment and observation, as well as to students who require walk-in care. Other medical services include diagnostic laboratory testing, administration of allergy injections, and immunizations. In the event that a student requires emergency care, transportation is provided to a local hospital. Although students are not billed for physician and nurse practitioner visits, they are financially responsible for some medication and all laboratory fees, as well as consultation with specialists.

Technology Support Services – TechZone

UNIT's Technology Support Services is committed to providing high quality customer service and technical support to the Villanova community. UNIT's Technology Support Services serve as the primary point of contact assisting in all computing and technology related issues and need. The TechZONE staff diagnosis hardware issues, recommends solutions, and performs warranty and non-warranty repairs to University issued and student program laptops.

- **Walk-up @ TECHZone in Vasey Hall Room 101**
- **Self-Service:** sdess.villanova.edu
- **Phone:** 610-519-7777
- **Email:** support@villanova.edu

-
- **Website:** www.villanova.edu/unit/
 - **Facebook:** www.facebook.com/UNIT.TechZone

University Information Technologies (UNIT)

Stephen Fugale, Vice President and Chief Information Officer

Technology Services Building

610-519-4400 (x97777)

<http://www.villanova.edu/unit/>

unit@villanova.edu

UNIT provides computing information and network services to the entire campus community. UNIT's systems and services are designed to support the effective use of technology by enhancing teaching, learning, and research. UNIT maintains the University-wide computing infrastructure for academic and administrative use.

Writing Center

Mary Beth Simmons, Director

Falvey Library Learning Commons, Suite 210

610-519-4604

The Writing Center provides assistance to all Villanova students, staff and faculty for every kind of writing. Walk-in or appointment assistance is available Sunday 3:30 to 7:30 p.m.; Monday through Thursday 11:30 a.m. to 7:30 p.m.; and Friday 11:30 a.m. to 3:30 p.m.

Tutors will work with students at any stage of the writing process from brainstorming ideas, to evaluating first drafts and proofreading for grammar and punctuation errors. Students should especially consider the use of the Center while completing the Core requirements.

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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.



VILLANOVA
UNIVERSITY

College of Liberal Arts
and Sciences