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 and Sciences!

Students who choose our College are free range thinkers and intellectual explorers. Here you will learn to prepare not just for one path, but for the many paths your life may take. You will build your critical thinking and problem solving skills while positioning yourself for personal growth, a fulfilling career, and responsible citizenship in our country and the wider world.

This handbook, the Enchiridion, is a valuable reference for information on the academic programs, regulations and policies of your College. It is designed to help you make continuous and successful progress toward completion of your degree. Some of the world’s greatest leaders are those who possess intellectual courage, global perspective and purposeful ambition. Here you will gain the knowledge and understanding for leadership in a challenging and changing world. I wish you success and fulfillment in your studies here at the university.

Sincerely,

Adele Lindenmeyr, PhD
Dean
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**Introduction**

**THE COLLEGE OF LIBERAL ARTS AND SCIENCES**

*Adele Lindenmeyr, Ph.D.* ................................................................. Dean

*Christine Palus, Ph.D.* ..............................................................Dean of Graduate Studies in Liberal Arts and Sciences

*Crystal J. Lucky, Ph.D.* .........Associate Dean for Baccalaureate Studies

*Barry Selinsky, Ph.D.* ..........................Associate Dean for Research and Faculty Development

*Joseph Lennon, Ph.D.* ..................Associate Dean for International and Interdisciplinary Studies

*Edward G. Fierros, Ph.D.* ..........Associate Dean for Diversity and Inclusion

*Rebecca Rebalsky* ................................................................. Assistant Dean for External and College Relations

*Susan Jacobs, M.A.* ..................Assistant Dean for Undergraduate Students

*Seth Matthew Fishman, Ph.D.* ................. Director of Curriculum and Academic Outcomes

**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.

The College of Liberal Arts and Sciences is committed to sustaining, improving, and monitoring the effectiveness of our academic programs, guided by a comprehensive assessment plan focused on student learning outcomes. Each academic department has developed their own assessment plan for evaluating your learning experience. Please see your department/program chair or contact Dr. Seth Matthew Fishman (Office of the Dean, SAC 105) for more information.
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.

Read about the University’s LEARNING GOALS here.
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) A minimum of half of the Core Curriculum requirements must be fulfilled at Villanova University;

4) A minimum of 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 and spring semesters, the College of Liberal Arts and Sciences officially recognizes its high-achieving students by including their names on the Dean’s List. Inclusion on this list recognizes a student’s commitment to an intellectually rigorous education in the liberal arts and sciences, one that fosters critical insight, mature judgment, and independent thinking. Students must complete at least 12 credits of letter grade courses each semester with a minimum GPA of 3.50. No S, WX, or N grades are permitted in these 12 credits.
**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 (ΦBK)**
Phi Beta Kappa (ΦBK) is a National Honors Fraternity for Colleges of Liberal Arts and Sciences. It was founded at the College of William and Mary in 1776. Since that time, its rigorous and comprehensive standards have made election to it a premier sign of excellence. The Sigma of Pennsylvania Chapter of Phi Beta Kappa was founded at Villanova University in April 1986.

Phi Beta Kappa standards reflect the highest ideals of liberal arts education at Villanova: education that is concerned with values and facts, as well as wisdom and knowledge; education that seeks freedom from ignorance, alienation, and inhumanity; education that values intellectual integrity and tolerance over expediency, and breadth of scholarly achievement over specialized expertise.

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.

The Chapter chooses candidates with 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 membership.

President
Lynne Hartnett, Ph.D. (History) Associate Professor

Vice President and President-elect
TBD

Secretary/Treasurer
Douglas Norton, Ph.D. (Mathematics and Statistics) Associate Professor and Chair
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 Advanced Placement (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. All AP/IB scores must be accepted and approved before the completion of two semesters at Villanova in order to be considered for credit. AP credits appear in the “Transfer Credit” area of the student record.

Incoming students who have taken AP or International Baccalaureate Higher Level (IB) exams should inform their Faculty 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.

AP and IB credit cannot be used to fulfill any core requirements, with the exception of foreign language, but may fulfill requirements for majors, minors, concentrations and certificates. AP/IB credits will be treated as transfer credits in these cases and all transfer credit policies will apply. The following is the list of tests and scores and their application to the baccalaureate degree. The first table is a list of Higher Level IB tests and scores; the second is a list of AP tests.

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<td>History Europe</td>
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<td>Chemistry- (25)</td>
<td>CHM 1103</td>
<td>1</td>
<td>CHM 1104</td>
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<tr>
<td></td>
<td>CHM 1104</td>
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<td>CHM 1151</td>
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<tr>
<td></td>
<td>CHM 1152</td>
<td></td>
<td>CHM 1152</td>
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<tr>
<td>Chinese Language &amp; Culture- (28)</td>
<td>CHI 1111</td>
<td>6</td>
<td>CHI 1112</td>
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<tr>
<td>Computer Science A- (31)</td>
<td>CSC 1051</td>
<td>4</td>
<td></td>
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<tr>
<td>Computer Science Principles- (32)</td>
<td>CSC 1020</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics: Macro- (35)</td>
<td>ECO 1002</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Economics: Micro- (34)</td>
<td>ECO 1001</td>
<td>3</td>
<td></td>
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<tr>
<td>English Language &amp; Composition- (36) or English Literature &amp; Composition- (37)</td>
<td>ENG 1050</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Environmental Science (40)</td>
<td>GEV 1052</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>French Language &amp; Culture- (48)</td>
<td>FFS 1121</td>
<td>3</td>
<td>FFS 1122</td>
</tr>
<tr>
<td>Government and Politics: Comp- (58)</td>
<td>PSC 1300</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Government and Politics: US- (57)</td>
<td>PSC 1100</td>
<td>3</td>
<td></td>
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<tr>
<td>History, European- (43)</td>
<td>HIS 1021</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>History, U.S.- (07)</td>
<td>HIS 1002 or</td>
<td>3</td>
<td>HIS 1003</td>
</tr>
<tr>
<td>History, World- (93)</td>
<td>HIS 1040 or</td>
<td>3</td>
<td>HIS 1050</td>
</tr>
<tr>
<td>Human Geography- (53)</td>
<td>GEV 1002</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Italian Language &amp; Culture- (62)</td>
<td>ITA 1121</td>
<td>3</td>
<td>ITA 1122</td>
</tr>
<tr>
<td>Japanese Language &amp; Culture- (64)</td>
<td>JPN 1111</td>
<td>6</td>
<td>JPN 1112</td>
</tr>
<tr>
<td>Latin- (60)</td>
<td>LAT 1121</td>
<td>3</td>
<td>LAT 1122</td>
</tr>
<tr>
<td>Physics C: Mechanics- (80)</td>
<td>PHY 1100</td>
<td>3</td>
<td>PHY 1101</td>
</tr>
<tr>
<td>Physics C: Electricity and Magnetism- (82)</td>
<td>PHY 1102</td>
<td>3</td>
<td>PHY 1103</td>
</tr>
<tr>
<td>Psychology- (85)</td>
<td>PSY 1000</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Spanish Language- (87) or Spanish Literature &amp; Culture- (89)</td>
<td>SPA 1121</td>
<td>3</td>
<td>SPA 1122</td>
</tr>
<tr>
<td>Statistics- (90)</td>
<td>MAT 1230</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
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.

Math Course Options:
Possible Math courses for different types of students are listed below.

<table>
<thead>
<tr>
<th>Type of Student</th>
<th>No AP Calculus</th>
<th>AP Calculus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exploratory-Arts</td>
<td>MAT 1220, MAT 1230</td>
<td>MAT 1505, MAT 4310</td>
</tr>
<tr>
<td></td>
<td>CSC 1300, MAT 1320, MAT 1400, MAT 1430, MAT 1500</td>
<td>CSC 1300, MAT 2500</td>
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<tr>
<td></td>
<td>MAT 1500</td>
<td>MAT 2600, MAT 2705</td>
</tr>
<tr>
<td>Exploratory-Arts Who Are Considering a Business Minor</td>
<td>MAT 1230/1235, VSB 2005 + Calc</td>
<td>MAT 4310</td>
</tr>
<tr>
<td></td>
<td>MAT 1430 + Calc, BIO 3105 + Calc</td>
<td>MAT 1430</td>
</tr>
<tr>
<td>Exploratory-Arts Who Are Considering Transferring to VSB</td>
<td>MAT 1400</td>
<td>MAT 1430</td>
</tr>
<tr>
<td>Exploratory-Arts Who Are Considering Majoring in Economics</td>
<td>MAT 1400</td>
<td>MAT 1430</td>
</tr>
<tr>
<td>NOTE: ECO Minor only requires Calculus</td>
<td>MAT 1430</td>
<td>MAT 1430</td>
</tr>
<tr>
<td>Exploratory-Arts Who Are Considering Majoring in Math</td>
<td>MAT 1500/1505</td>
<td>MAT 1505, MAT 4310</td>
</tr>
<tr>
<td></td>
<td>MAT 1505, MAT 2500, MAT 2600, MAT 2705</td>
<td></td>
</tr>
<tr>
<td>Exploratory-Science</td>
<td>Student should speak to science advisor</td>
<td></td>
</tr>
<tr>
<td>Pre-Med</td>
<td>Student should contact Louise Russo. Two from 1312/1313/1314 is usual requirement.</td>
<td></td>
</tr>
<tr>
<td>Arts Student in Naval ROTC</td>
<td>MAT 1320/1325, MAT 1500/1505</td>
<td>MAT 1505, MAT 4310</td>
</tr>
<tr>
<td></td>
<td>MAT 2500, MAT 2600, MAT 2705</td>
<td></td>
</tr>
</tbody>
</table>

*Note: The ECO department recommends Business Calculus and Business Statistics as the best choice for their major, however any Calculus (1320, 1400, 1500) and any Statistics (1230, and 1235, 1430, 4310) will satisfy the major requirement.

College Courses Taken Prior to High School Graduation

College-level work completed prior to high school graduation, including college courses that fulfill high school graduation requirements, may be awarded transfer credits upon receipt of the following:

1) an official letter from the high school principal, secondary school counselor or other educational professional describing the college-level program of study

2) an official letter from the college/university stating that the courses were taught by members 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;
3) a course syllabus; and
4) an official, seal-bearing transcript from the college/university showing a grade of C or better. Credit or advanced standing for courses taught at the high school will not be accepted.

With respect to courses taught in a distance learning format, and for other requirements, each academic program will review on a case by case basis. Each supporting document is to be sent to the Dean of the College in which the student is enrolling.

All pre-matriculated credit must be accepted and approved before the completion of two semesters at Villanova.

**Transfer Credit Hours**

Students who wish to receive credit for college courses taken at another institution prior to attending Villanova must present an official transcript, course descriptions, and other documentation as needed to the Office for Undergraduate Students. Transfer credit may be awarded for college-level courses used to meet high school graduation requirements (subject to the criteria listed above). Courses will be considered for transfer credit only upon receipt of an official transcript and copies of official course descriptions. In some cases, it may be necessary to review the course syllabus to determine whether credit may be granted. It is the responsibility of the student to supply all necessary documentation.

Please note the following policies concerning transfer courses:
- In order to receive credit for a course taken at another institution, a student must have earned a grade of C or higher, and there must be an equivalent Villanova course.
- Grades earned in courses taken at other institutions are not factored into a student’s Villanova grade point average.
- Transfer credits may be used to fulfill no more than half of the required courses for each of the following: CLAS degree, major, minor or concentration, and CLAS Core Curriculum.
Courses taken at two-year institutions, including community colleges, are eligible for transfer credit only if the courses were taken prior to a student’s matriculation at Villanova.

Students may transfer a maximum of five non-CLAS courses that have equivalents in the other Villanova academic colleges (Business, Engineering, and Nursing). Students who wish to have such courses evaluated for transfer credit must submit course descriptions and/or syllabi to the appropriate college for review.

Courses should be presented for evaluation prior to a student’s first semester at Villanova. Courses presented after the student’s first year at Villanova will no longer be eligible for credit.

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 Office of University Admission. Candidates for transfer admission ordinarily will have completed a minimum of five college courses of three credits or more with a grade of C or better in each course and earned a grade point average (GPA) of at least 3.0. Students who previously applied to the College of Liberal Arts and Sciences and were placed on the waiting list will be considered for transfer admission. External transfer applicants must indicate if they are applying to another Villanova academic college in addition to the CLAS. Students who have transferred from another institution to the CLAS are not eligible to transfer internally to any of the other Villanova academic colleges. If you intend to earn a degree from the School of Business, College of Nursing, or College of Engineering, you must apply directly to that college. Transfer applications must be received by June 1 for Fall Semester applicants and November 1 for Spring Semester applicants. Offers of admission are contingent upon successful completion of the current semester’s courses and may be rescinded. Applicants must present appropriate documentation in order to receive credit for courses taken at their previous institution (see above criteria). Students intending to transfer more than fifteen courses must apply to and be accepted into a major prior to enrollment.
2. **Internal Transfer Students**

Students who wish to transfer to the CLAS from other Villanova academic colleges CLAS must complete the Application to Enter the College of Liberal Arts and Sciences and must read and sign the CLAS Internal Transfer Policy form. (These forms are available on-line and in the Office for Undergraduate Students.) Applicants will be notified of an admissions decision at the end of the semester during which the application was submitted. The minimum criterion for admission to the CLAS is a GPA of 2.33 for all Arts courses taken at Villanova. Students who wish to transfer from the College of Professional Studies must, at the time of application, have completed a minimum of eight Villanova courses of three credits or more with a grade of C or better in each course. Students are not permitted to transfer from the College of Liberal Arts and Sciences to the College of Professional Studies.

3. **College of Professional Studies Transfer Students**

Students seeking to transfer from the College of Professional 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 College of Professional Studies will need to complete an application, personal statement, and sign the Internal Transfer policy. **Applicant’s will be notified at the end of each semester.** Students cannot transfer from the College of Liberal Arts and Sciences to the College of Professional 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.

Free electives are courses taken in addition to the Core Requirements and courses within a student’s major. Free electives are required for all students in the College of Liberal Arts and Sciences and may include courses of an exploratory nature that students use to pursue their interests, as well as courses that students take to fulfill the requirements of a minor or concentration. Core Requirements may also be counted toward fulfilling a minor or concentration.

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. An essential component of the Core as well as each major is a focus on writing; within their courses of study students take a number of courses in which writing requirements play a central role, from the Foundation Courses (especially the Augustine and Culture Seminars) and the Core Ethics course to the Core Literature and Writing Seminar and courses within each major. These major courses include a Research Requirement course, which is normally taken during junior or sophomore years, and a Senior Capstone course, which is a significant culminating experience that leads students to reflect on the various components of their major curriculum. (The particular courses that fulfill these requirements are determined by each academic major; students should contact individual departments or visit their webpages for additional information.)

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

II. Languages (2 courses)
III. Mathematics or Statistics (1 course)
IV. Sciences (MSE) (2 courses with laboratories)
V. Core Literature and Writing Seminar (CLAWS)* (1 course)
VI. History (1 course)
VII. Social Sciences (2 courses)
VIII. Fine Arts (1 course)
IX. Theology and Religious Studies (1 course)

**Diversity Requirement**
All students must complete two diversity courses. Core History courses do not count toward fulfilling the diversity requirement.

*These courses will not be accepted for transfer credit once a student has matriculated into the College of Liberal Arts and Sciences.
Core Curriculum Course Requirements

I. Foundation 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. Because it is important that students take the Augustine and Culture seminars early in their college careers, students are permitted to drop or withdraw from the courses without academic penalty only under special circumstances. Requests to drop or withdraw must be made to the Assistant Dean for Undergraduate Students. If a student receives permission to drop or withdraw, he or she must take the course at the next possible opportunity. For more information about ACS, visit this webpage.

b. Theology and Religious Studies (1 course)

THL 1000 (Faith, Reason, and Culture) studies Christianity with a particular focus on Roman Catholicism. Animated by Augustine’s concern to relate Christian faith, reason and human culture, this foundation course in the Core Curriculum is organized around the fundamental question, What do I believe? Students embark on a journey that engages them in the quest of faith seeking understanding in the context of contemporary global religious, theological, and cultural pluralism. Students explore the faith-reason-culture relations through the academic lenses of theological and religious studies disciplines.

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 foundation courses. Normally students should take ETH 2050 by the end of their junior year, after taking the other four foundation courses.

II. Foreign Language Requirement
Language proficiency is required at Villanova 1) through the intermediate level in French, Italian and Spanish; or 2) at the introductory level in ancient Greek, Arabic, Chinese, Irish, Japanese and Russian. Students who are already proficient in other foreign languages may petition for an exemption from the Core Curriculum Language Requirement subject to the conditions under F below.

STUDENTS MAY SATISFY THE CORE CURRICULUM LANGUAGE REQUIREMENT IN ONE OF THE FOLLOWING WAYS:
A. ADVANCED PLACEMENT EXAMINATION
B. COMPREHENSIVE EXAMINATION (PROFICIENCY EXAM)
C. CREDIT BY EXAM
D. ROMANCE LANGUAGES AND LATIN
E. IRISH AND CRITICAL LANGUAGES
F. PETITION FOR EXEMPTION DUE TO DOCUMENTED LANGUAGE PROFICIENCY

OPTION A: ADVANCED PLACEMENT EXAMINATION
Students may satisfy the Core Curriculum language requirement by attaining a score of 4 or 5 on the applicable Advanced Placement exam. Exams that fulfill the requirement and the course equivalency are listed in the Advanced Placement table in Part III of this manual.

For any language not offered at Villanova (such as German), students will not receive course credit for the AP exam in that language. As with other languages, however, students who attain a score of 4 or 5 will satisfy the language requirement. Students who satisfy the language requirement with
AP Exams in languages not offered at Villanova must take two additional free electives to assure that they will have enough courses to fulfill graduation requirements.

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

OPTION B: 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 specific dates and students must register in advance at the website address below. The deadline to register for a proficiency exam is noon the day before the exam. Students deemed proficient by achieving a grade of C or better on the proficiency examination must instead take two additional free electives to assure that they will have enough courses to fulfill graduation requirements.

Comprehensive proficiency examinations may be scheduled online at this linked website location. Registration requires a Villanova username and password.

OPTION C: 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. There is a fee of $120.00 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 on this webpage.

OPTION D: ROMANCE LANGUAGES AND LATIN
Students selecting this option must pass the Intermediate II course, as well as any necessary previous courses, for the language they have chosen and are not required to go further in that language. Students who studied French, Italian 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 interested in one of these languages who have no prior experience in the language are required to take the two-semester introductory course sequence before they may register for the intermediate level courses that fulfill the Core Curriculum language requirement. Because placement tests provide only a rough indicator of a student’s level, students who are placed into a course higher than Intermediate II must complete the course to fulfill the requirement. (A student wishing to demonstrate proficiency via a test must take one of the tests listed above under Options A, B, and C.) Students who are placed directly into an Intermediate II or higher course must take one additional free elective to assure that they will have enough courses to fulfill graduation requirements.

For additional information on online placement exams or to take the online test, please visit this webpage.

For additional information on Latin or to complete the Latin placement questionnaire, please visit the Classical Studies webpage.

OPTION E: IRISH AND CRITICAL LANGUAGES (ANCIENT GREEK, ARABIC, CHINESE, JAPANESE, RUSSIAN)
Students selecting this option must pass the Introductory II course for the language they have chosen and are not required to go further in that language. These courses are typically four to six credits and meet four to five days per week, depending on the language. Critical language professors will meet with students who have requested placement into these courses during New Student Orientation to determine the appropriate course level. Students should contact individual departments with any questions regarding placement in these languages. Because placement tests provide only a rough indicator of a student’s level, students who are placed into a course higher than Introductory II must complete the course to fulfill the requirement. (A student wishing to demonstrate proficiency via a test must take one of the tests listed above under Options A, B, and C.). Students who are placed directly into an Introductory II course must take one additional free elective to assure that they will have enough courses to fulfill graduation requirements.
OPTION F: 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 and Sciences may petition for an exemption from the Core Curriculum language requirement by submitting a written request for exemption along with 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. Students deemed proficient through the petition process must instead take two additional free electives to assure that they will have enough courses to fulfill graduation requirements. Petitions and supporting documentation should be submitted to the Office for Undergraduate Students in SAC 107.

Notes:
- Language courses vary from three to six credits; regardless of the number of credits, an individual language course counts as one course for purposes of graduation.
- Placement tests are used to place students only; they are not to be confused with a proficiency exam.
- Students seeking accommodations for documented learning disabilities should contact the Office of Learning Support Services in the Falvey Learning Commons, Suite 212, or by phone at (610) 519-5176.
- Additional questions regarding the Core Curriculum language requirement should be addressed to a student’s faculty advisor or to the Office for Undergraduate Students in SAC 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 or two semesters of science courses with a laboratory component designed for science majors.

Science (AST, BIO, BIOC, CHM, CBN, CSC, ENV, MAT, PHY - B.S. only) majors meet the science requirement through the regular program of study in their major.

Mendel Science Experience courses are unique to Villanova and will not be accepted for transfer into the College of Liberal Arts and Sciences.

V. Core Literature and Writing Seminar (CLAWS) (1 course)
All students take a thematic literature and writing seminar course by the end of their sophomore year. These courses are designated by the LWS 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, Psychological and Brain Sciences, Public Administration, or Sociology and Criminology. These courses are designated by the Social Science attribute.

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.

IX. Theology and Religious Studies (1 course)
The second TRS course in the Core Curriculum develops the theme of faith seeking understanding, engaging culture from a specific disciplinary perspective: biblical studies, systematic or fundamental theology, Christian
ethics, historical theology and Augustinian Studies, spirituality, pastoral studies, or world religions. Students must have taken THL 1000 or its HON equivalent before taking this upper level course. Christian students gain deeper insight into their faith, students from other religions achieve a better understanding of the uniqueness of their own tradition, and all undergraduates acquire that advanced knowledge of the faith-culture-reason relations that are a vital part of the Villanova experience and a necessity for the educated person.

Core Curriculum Diversity Requirement (2 courses)
Consistent with the University’s Mission Statement and its implementation of the new Core Curriculum in the College of Arts and Sciences, 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 must foster understanding of how individuals are affected within systems of power, oppression, deprivation, marginalization, and privilege.

The objectives of completing core diversity courses ideally include all of the following:

a. Expand student knowledge of unfamiliar cultures;
b. Expose students to the complexity of power relations across and within varying cultures;
c. Provide students the knowledge-base to develop skills for engaging across cultural contexts.

Students are required to select two courses, covering two out of the three areas below:

Diversity 1: Courses that focus on populations (often named as non-dominant, minority, or impoverished groups) in the U.S. or Western Europe, and the systems or mechanisms that give rise to the experiences of power, privilege, and marginalization.

Diversity 2: Courses that focus on women’s experiences and/or highlight the relationship between gender, culture, and power.

Diversity 3: Courses focus on the culture, economics, politics or ecology of societies and nations other than those of Western Europe and the United States and that emphasize power, privilege, and marginalization or a critical analysis of how these cultures define and express themselves.
NOTES:
1) Service learning courses, internships, and other experiential or community-based learning courses may be applied toward this requirement, provided they include a significant reflective component, just as traditional diversity courses do, and have been pre-approved for diversity course credit.
2) Study abroad courses may be applied toward this requirement; such courses will be assessed the same way as courses at Villanova.
3) A student may not use a single course to fulfill more than one category of the diversity requirement.
4) The diversity requirement cannot be fulfilled by independent study or a senior thesis.
5) Language courses cannot fulfill the requirement, although literature courses in a foreign language can fulfill the requirement provided they focus on appropriate material.
6) A student may take 1-credit workshops provided they meet the above stated requirements of a total of 3 credits in one of the Diversity categories.
7) 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
AS-OUS@Villanova.edu
http://ous.villanova.edu

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Andy Bove, M.A., Associate Director of Academic Advising
Charles Francisco, Outreach Specialist
Russell Gardner, Ph.D., Assistant Director for Science Advising
Charlotte Holmes, Coordinator for Professional Development
Kathleen Matkowski, Administrative Assistant
Laura Matthews, Assistant Director, Systems Management
Kate Szumanski, M.A., M.S., Director of Professional Development
Jordan Toy, Director of Student Services
Ann Trail, M.Ed., Health Professions Advisor

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, M.A., Director
Andy Bove, M.A., Associate Director
107 St. Augustine Center for the Liberal Arts
610-519-3900
Website

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.

Health Professions Advising
Louise Russo, Director
Ann Trail, Advisor
143 Mendel Science Center
610-519-4833
hpa@villanova.edu
Website

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 Advising Office for information on prerequisite coursework, pre-admittance examinations, experiential opportunities, and application procedures. Information sessions related to career exploration, program specifications, and application preparation are held throughout the academic year to enhance applicant knowledge and application quality. The HPA office works with student leadership in the pre-medical, pre-dental, pre-veterinary, pre-optometry,
SPOTS (pre-SLP, PT, OT society), pre-physician assistant, MAPS (minority association of pre-health students) organizations and Alpha Epsilon Delta, the pre-medical honor society, to develop pre-professional enrichment activities including workshops, professional development courses, networking events, and healthcare-related seminars and colloquia.

**Internship Program**

Kate Szumanski, Director of Professional Development  
Charlotte Holmes, Coordinator of Professional Development  
107 St. Augustine Center for the Liberal Arts  
610-519-3942  
Kathryn.Szumanski@Villanova.edu  
Website

The Internship Program provides resources to students, which include individual professional development one-on-one meetings and brainstorming sessions, professional development workshops, and other special events, to assist students as they explore experiential educational opportunities. Through internships, students refine their career interests, develop their professional skills, network with working professionals, and gain valuable experience in a variety of fields. The Internship Program allows students to earn academic credit toward their major or minor, or earn general elective liberal arts credits. Students are required to submit an internship-for-credit application to seek academic credit for their internship experiences. The application is available on the OUS Web site.

**Leadership and Professional Development**

Kate Szumanski, M.A., M.S., Director of Professional Development  
Charlotte Holmes, Coordinator of Professional Development  
107 St. Augustine Center for the Liberal Arts  
610-519-3942  
Kathryn.Szumanski@Villanova.edu  
Website

The Professional Development area within OUS offers programming, mentoring support, and courses that enable students to identify their strengths, explore professional and educational options, and develop the skills necessary to prepare them for professional life. Through this process, we empower students to pursue their aspirations. The
Professional Development curricular component provides students with a foundation for learning how their academic knowledge and skills transfer into the professional world. Students learn how to create a professional résumé, research careers and industries, identify internships, answer job interview questions, and network with alumni. Additional courses offered to enhance professional growth include the Legal Profession, Professional Communication, Networking for Success, Social Networking, Creativity and Innovation, and Introduction to Professional Writing.

Exploratory Science Advising
Russell Gardner, Ph.D., Assistant Director, Science Advising
107 St. Augustine Center for the Liberal Arts
610-519-3900
Website

Exploratory-Science 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 Exploratory-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.

BRIDGE Society
Kate Szumanski, Advisor
107 St. Augustine Center for the Liberal Arts
610-519-3942
Kathryn.Szumanski@Villanova.edu
Website

The BRIDGE Society in the College of Liberal Arts and Sciences is designed to encourage students to build relationships among their peers and alumni in the College of Liberal Arts and Sciences. BRIDGE Society activities and events inspire student professional development and alumni engagement, and 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. It creates the opportunity for student leadership within the College
while giving students the opportunity to explore potential career paths and meet alumni and employers in fields of interest.

**Office of Service Learning (OSL)**

Noreen Cameron, Director
St. Augustine Center 385
610-519-4602
noreen.cameron@villanova.edu

Service Learning courses are three-credit courses which connect course objectives with opportunities to meet the needs of people in underserved communities or work with agencies which advocate for the poor and or care for the environment. Integration of theoretical knowledge and experiential learning in the community provides a context for critical and constructive thinking and action that promotes the common good.

Service Learning Communities- First year (Caritas) and sophomore service learning community provide students an opportunity to live in intentional residential communities. First year ACS courses are designed to complement community placement. Sophomore Service Learning Community courses include Ethics 2050 and themed courses related to social justice that compliment Community placement. Students in both communities take a one credit seminar to integrate theory and praxis.

Education Majors and minors are welcome to find placement for required hours through the Office of Service Learning.

Community placements provide a context for meaningful reflection which is an essential component of service learning. Our students and faculty will learn with people who face the challenges of poverty and marginalization and those who work to protect our environment. We will transform one another through these relationships.

The office of Service Learning provides faculty and students with the pedagogical tools to maximize practice of Service Learning. The office manages community partnerships and logistics for service learning courses.

**Center for Research and Fellowships**
CRF is a results-oriented team of professionals that supports Villanovans at all levels—undergraduate, graduate, alumni, faculty, and staff—to enhance their career trajectories through mentoring, student research funding, and assistance in winning competitive awards. **We provide support in three areas:**

**Nationally Competitive Scholarships and Fellowships:** The CRF team assists undergraduates, graduate students, alumni, and faculty with applications to major awards, including the Fulbright, Truman, Goldwater, Udall, Marshall, and Rhodes Scholarships, the National Science Foundation Graduate Research Fellowship, the DAAD-RISE international research internships, and National Science Foundation Research Experiences for Undergraduates, as well as dozens of others. In recent years, CRF has assisted over 500 Villanovans to win awards and formal recognition from these and other prestigious programs.

**Student Research:** CRF provides financial support for undergraduate research through the Villanova Match Research Program for First-Year Undergraduates and the Villanova Undergraduate Research Fellows Program, as well as short-term research, conference, and travel grants. In recent years, over 200 Villanova undergraduates have received CRF funding for research that they have published in peer-reviewed scholarly journals and presented at national and international conferences. CRF also assists undergraduates and graduate students alike to find, apply for, and win funding from sources external to the university, such as the National Science Foundation.

**Presidential Scholars Program:** The CRF team is proud to manage all aspects of the PSP, including the nomination, application, and selection processes for the Presidential Scholarship, as well as mentoring Presidential Scholars throughout their time at Villanova—and after. The Scholars are a vital community within the larger University family. They are encouraged and expected to be leaders and change agents both here at
Villanova and beyond. CRF orients and mentors the Scholars to live up to those high expectations—and they do.
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
(Air Force ROTC)

Director: Lt. Colonel Jesse Arnstein, Department of Aerospace Studies, Saint Joseph’s University
Telephone: 610-660-3190
Email: rotc@sju.edu

[Air Force Reserve Officer Training Corps participation is available through a cross-enrollment agreement with St. Joseph’s University. Participation in a three or 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.

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.]
The Africana Studies Program of Villanova University, initiated in 1993, is open to all students of the University. It offers a rich, deep, dense, innovative, and integrative interdisciplinary intellectual fare from most of the major disciplines of the College of Liberal Arts and Sciences and its Programs.

Africana Studies engages Africa and peoples of African descent wherever and whenever they might be found. Its fundamental premise is quite straightforward. Africa and its Diasporas are global phenomena. Their presence, intellectually, conceptually, and physical can be found throughout the world from the beginning of time to the present. That presence alone merits intellectual inquiry, and in our current age, the intellectual space that Africana Studies opens for us is nothing short of astounding for the "inquiring mind."

MAJOR: GIS Africana Studies (GAFR) (34 credits/12 courses)

The Major consists of 12 courses that comprise 34 credit hours. Required courses include GIS 2000; two (2) team-taught GIS seminars from GIS 4000 through GIS 6499; GIS 5000; GIS 6500; GIS 6600. An additional six (6) courses (18 credit hours) carrying the AFR attribute are also required. Mandated among them are AFR 3000; one (1) course in either Africana History or Literature. GAFR Majors are required to spend one (1) semester or a summer session of study abroad. Study abroad courses may be counted.

Required Courses:
GIS 2000
2 team-taught courses, GIS 4000 through GIS 6499
GIS 5000
GIS 6500
GIS 6600
AFR 3000:
One course in either Africana History or Literature (HIS 2292, 2293; ENG 2501, 2502, 3690, 2530)
Three 1-credit IGR courses may count as one of the undesignated Africana courses;
Courses taken as part of a study abroad program may be counted;
MINOR: (AFR) (15 credits/5 courses)

Required courses include AFR 3000: Constructs of Blackness; one course in either Africana History or Literature; students may also combine three 1-credit IGR courses to count as one of the undesignated Africana courses; courses taken as part of a study abroad program may be counted.

Required Courses:

AFR 3000
One course in either Africana History or Literature
Any three courses carrying the AFR attribute
The Arabic Language and Cultural Studies program offers Arabic language and linguistic study, and classical and modern 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 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 even known until that time.

The program represents a cutting edge intellectual experience that provides its minors with an advantage in critiquing, understanding, and navigating the global landscape.

MINOR (28 credits/6 courses)
Students can earn a minor in Arabic Language and Cultural Studies with six courses, listed below.

Required Courses:
ARB 1111   Basic Arabic I (six credits)
ARB 1112   Basic Arabic II (six credits)
ARB 1121   Intermediate Arabic I (5 credits)
ARB 1122   Intermediate Arabic II (5 credits)

Plus two two 3-credit courses in Arab cultural studies, including:
ARB 2142: Arab Culture through Film and Text
ARB 2143: Arab Culinary Culture
ARB 3412: Special Topics
ARB 5900: Independent Study

Other culture-based courses with AIS attribute found across disciplines also qualify
The Arab and Islamic Studies program offers a major and minor within the Department of Global Interdisciplinary Studies (GIS). The major and minor provide an interdisciplinary and comparative approach to deepen students' understandings of the history, politics, culture, religion, and literature of Arab and Islamic societies. The Arab and Islamic Studies major provides outstanding preparation for careers in government, the military, business, and nonprofits, as well as essential training for graduate education. Villanova’s Center for Arab and Islamic Studies, created in 1983, offers not only the AIS major and minor, but a range of programs and events on campus every semester.

**MAJOR 31 credits/11 courses) example:**

GIS Required Courses:
GIS 2000: Introduction to GIS
GIS 4000-6499: Two team-taught courses
GIS 5000: One-credit special topics course
GIS 6500: Senior Capstone 1 - research
GIS 6600: Senior Capstone 2 – thesis
One semester or summer session of study abroad

AIS Required Courses
Two courses of Arabic at the intermediate or higher level
One political science course with an AIS attribute
One history course with an AIS attribute
One theology course with an AIS attribute

**MINOR (15 credits/5 courses):**
A minor is open to all students and requires 5 courses and 15 credits. Required courses are: a capstone course with an AIS attribute, two AIS-attribute history, political science, or theology courses, and two additional AIS-attribute courses from any field.
The Art History Program at Villanova provides students with the tools to understand, interpret, and evaluate art from the perspectives of different societies across time. In doing so, the program encourages students to approach art not only as the production of cultural artifacts that record and reflect particular aspects of the human experience, but also as a dynamic force that has shaped, and continues to shape, the complex interaction of social, political and economic processes both in the past and in the present day.

A key strength of the program is its multi-disciplinary focus. Building upon their own expertise in the history of art, our faculty members incorporate the latest theories and ideas from a variety of disciplines, such as literature, gender studies, and philosophy, in order to place art history in a broader scholarly context, and to emphasize the relevance of art history in contemporary academic research. As a result, our students engage a variety of approaches and methodologies, from iconography, formalism, and social history, to deconstruction, feminism, and visual culture.

In harmony with the university’s Augustinian mission and unique identity, the Art History Program emphasizes the benefits of a broader, liberal arts education. More particularly, Art History students can expect to leave Villanova as “sophisticated viewers,” having obtained vital skills that will help them become critical consumers of the visual imagery that is all around us in today’s world.

Art History Majors must complete the following:

- AAH 1101 Ancient to Medieval Survey
- AAH 1102 Renaissance to Modern Survey
- 4010 Interpreting Art, Methodology Seminar
- 5010 Research and Writing, Senior Seminar
PLUS

• One course related to art history in another discipline (either Studio Art; Artifacts in History 2309, or other Material Culture course; Chemistry and Art 1058 or Science of Art MSE 2303; Philosophy of Art 2075); or, alternatively, a team-taught interdisciplinary course with one Art History faculty member (GIS, History, etc.).

• One Upper Level Art History Elective – from AAH 2000 to AAH 4999

Art History Minors must complete the following:

• AAH 1101 Ancient to Medieval Survey or 1102 Renaissance to Modern Survey

• AAH 4010 Interpreting Art, Methodology Seminar (or other upper level seminar or topics course)

• Four additional Art History courses

One of the Art History courses could be substituted for one course related to art history in another discipline (either Studio Art; Artifacts in History 2309, or other Material Culture course; Chemistry and Art 1058 or Science of Art MSE 2303; Philosophy of Art 2075); or, alternatively, a team-taught interdisciplinary course with one Art History faculty member (GIS, History, etc.).
Asia is a dynamic world region and its cultures and societies are a complex mix of both ancient traditions and modern ideas. Asia has the fastest growing economy in the world and is the birthplace of many of our new technologies. Asia is rapidly changing, democratizing, and internationalizing in ways that present both perils and possibilities for people across the globe.

In the Villanova Asian Studies Program, we offer a Major in Asian Studies as Global Interdisciplinary Studies specialization as a way for undergraduates to learn to examine the world — and themselves — through the lens of another language and culture.

The Asian Studies Program is an interdisciplinary program that helps students understand the diverse histories, politics, economies, cultures, religions, arts and literatures of Asia. The program encourages in-depth study while also promoting more general inquiry into fundamental issues, such as cultural differences among Asian nations and their social and political implications, as well as learning critical thinking and problem solving to prepare students to be responsible global citizens. The program offers them not only specialized knowledge and appreciation of a region that has had, and will undoubtedly continue to have, a profound impact on the material and spiritual well-being of humanity, but also prepares them to play their own roles in a globalized world in the “Asian Century.”

**MAJOR: (GASN) (31 credits/11 courses)**

For a major in Asian Studies (GASN), students must complete 6 GIS courses (16 credits) and 5 specialization courses (15 credits).

**GASN Required Courses:** GIS 2000: Introduction to GIS; GIS 4000-6499: Two team-taught courses; GIS 5000: A one-credit special topics course; GIS 6500: Capstone Seminar — Research; GIS 6600: Capstone Seminar—Thesis.

**5 Specialization Courses:** 3 Chinese or Japanese (or other Asian) language courses at the intermediate level or above and 2 non-language lecture courses must be taken. (Courses taken as part of a Study Abroad program and one internship done abroad may count towards the major.)

Coursework must be done on more than one country in Asia (e.g. China, Japan, Korea, India, etc.); and in more than one discipline or
department (e.g., Political Science, History, Religion, Psychology, Marketing, Economics, Global Interdisciplinary Studies, etc.).

MINOR: (15 credits/5 courses)

   Required courses: 5 Asia-related courses: 3 Chinese or Japanese (or other Asian) language courses at the Intermediate level or above and 2 non-language lecture courses must be taken. (Courses taken as part of a Study Abroad program and one internship done abroad may count towards the minor.)

   Coursework must be done on more than one country in Asia (e.g. China, Japan, Korea, India, etc., and in more than one discipline or department (e.g., Political Science, History, Religion, Psychology, Marketing, Economics, Global Interdisciplinary Studies, etc.);
The APS Department offers a major in Astronomy & Astrophysics, leading to a Bachelor of Science degree. 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. The program is designed to prepare students for graduate studies in astronomy and related fields. In addition, and due to the strong and balanced Liberal Arts education, the Astronomy & Astrophysics major provides outstanding preparation for careers in science journalism and science education, as well as for essentially any technically-based career.

Research facilities utilized by staff and students in the APS Department include a high speed computing facility and a suite of computer-controlled telescopes located on the roof of Mendel Science Center. In addition, the Department is a member of the Robotically-Controlled Telescope consortium, which operates a 1.3 meter telescope located at Kitt Peak National Observatory. Students also have access, via faculty research programs, to state-of-the-art astronomical data from NASA-supported facilities such as the Hubble Space Telescope and the Spitzer Space Telescope, and a variety of national and international ground-based facilities.

MAJOR (86 credits)
The major consists of 86 credits, including courses in astronomy, physics, mathematics, and computer science. Students completing the major will also qualify for a minor in physics. Required courses include: AST 2120-2123, 2133, 2134, 3141-3143, 3162, 4121, 4122; CSC 4630; MAT 1500, 1505, 2500, 2705; PHY 2410-2417, 2601, 2603, 4100, 4200 and 3 additional PHY courses numbered above 3000.

MINOR (24-27 credits):
A minor is open to all students and requires 9 courses and 24–27 credits. Required courses are: AST 2120, 2121, 2122; MAT 1310, 1315 (Calculus I and II) or higher; PHY 1100, 1102 or PHY 2400, 2402 or higher. In addition, two courses from AST 2123, 2133, 2134, 3141, 3142, 3143, and 3162.
Biochemistry

Program Co-Directors: Janice Knepper, Ph.D, Jennifer Palenchar, Ph.D
Office Location: G24A Mendel Science Center, 214E Mendel Science Center
Telephone: 610-519-4840
Program Office: Mendel Science Center 215
[Website] [Course Descriptions]

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: CHM 1000, 1151/1103, 1152/1104, 2211/2201 (or 3211/3201), 2212/2202 (or 3212/3202), 3417, 3514/3503, 4621, 4622, 4623, 4603/4604; BIO 2105, 3351, 4505; MAT 1500/1505 (or 1310/1315); 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.

MINOR (23 credits)
Required courses: BIO 2105, 3351, 4505; CHM 4603/4604, 4621, 4622, 4623; including required prerequisite courses.

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: John M. Olson, Ph.D.
Office Location: 147 Mendel Science Center
Telephone: 610-519-4832
[Website]
[Course Descriptions]

Biology is a broad-based program designed for students interested in 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.

MAJOR (37 credits)

Thirty-seven credits (36 for class of 2020 and prior) in Biology, including BIO 2105, 2106, 3351, at least five Biology laboratory courses at the 3000-level and higher and a capstone course BIO 5300. At least one course with lab must be chosen from each of the following areas: Ecology/Evolution/Population Biology, Organismal Biology, and Cellular/Molecular Biology. Cognate science requirements include: CHM 1151/1103, 1152/1104, 2211/2201, 2212/2202; MAT 1312 and a second MAT (1313 or 1314 or 1505 or 4310); PHY 1100/1101 and 1102/1103.

Combined BS/MS in Biology: Five-year double degree program. See Departmental Website for details regarding admission, requirements, the 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.

MAJOR Required Courses:
BIO 2105
BIO 2106
BIO 3351
BIO 5300
5 BIO laboratory courses above 3000, with at least one in each of the following areas: Ecology/Evolution/Population Biology, Organismal Biology, and Cellular/Molecular Biology
CHM 1151/1103
CHM 1152/1104
CHM 2211/2201
CHM 2212/2202
MAT 1312 and a second MAT (1313, 1314, 1505 or 4310)
PHY 1100/1101
PHY 1102/1103

MINOR (23 credits)
A minor is open to all students and requires 23 credits of Biology. Required courses are: 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 Biology credits at Villanova and achieve a minimum GPA of 2.0.

MINOR Required Courses:
BIO 2105
BIO 2106
Additional Biology elective courses numbered 3000 or above (must include 3 Lab courses)
There are two options for CLAS 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 before applying.

The Academic Year Business Minor is designed for full-time undergraduates enrolled in other Villanova colleges. The traditional year track program typically takes students four semesters to complete the minor; required courses are part of the VSB core curriculum and are taken alongside VSB students. The admission process for the program is competitive; students are admitted on a yearly basis after spring semester grades are posted. The deadline for applications is May 1; the application can be found online at www.tinyurl.com/ayminorapp. For program requirements visit businessminor.villanova.edu.

The Summer Business Institute (SBI) is a full-time, ten-week accelerated program created exclusively for non-business majors. SBI, using a cohort-based model, is designed to be completed in one summer. The admission process for the program is competitive; students are admitted on a rolling basis from December 15 - April 15. The application can be found online at www.tinyurl.com/sbiapp. For program requirements visit www.business.villanova.edu/sbi.

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 pre-requisite coursework may be necessary.
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 4621/4603/4622/4604, and three semesters of Biology (BIO 2105/6 and a molecular based biology course).

The Chemistry major, certified 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. All course prerequisites and co-requisites apply. Biochemistry majors need to complete 2 CHM courses at the 3000 level or above that are not otherwise required for the biochemistry degree to fulfill the requirements for the Chemistry minor. To receive the minor, students must complete a written application. Applications for the minor can be obtained from the Administrative Assistant 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/Academic_Programs/undergrad/minor.html
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, culinary art, film and the Chinese classics. 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.

MINOR (28 credits/6 courses):
The Chinese Language and Cultural Studies minor is open to all students and requires 6 courses and 28 credits.

Required Courses:
CHI 1111: Basic Chinese I (6-credit)
CHI 1112: Basic Chinese II (6-credit)
CHI 1121: Intermediate Chinese I (5-credit)
CHI 1122: Intermediate Chinese II (5-credit)

PLUS two 3-credit courses in Chinese cultural studies, including:
CHI 3412: TOPICS in
- Chinese Culinary Culture
- Translation and Research
- Chinese Film
CHI 3413: Chinese Caligraphy
GIS 4281: The Tale of Shanghai and Tokyo

Other culture-based courses with ASN attribute found across disciplines also qualify.
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, literatures, history, art and archaeology, philosophy and religion. The program offers courses which may satisfy requirements for the Core Curriculum of the College of Liberal Arts and Sciences.

MAJOR (30 credits/10 courses)

The major requires 10 courses (at least 30 credits) in a combination of courses in the classical languages and courses in English on classical civilization. Students must take at least one GRK or LAT course (or CLA 2021) and the Senior Classics Capstone (CLA 6001).

MINOR (18 credits/6 courses)

The minor requires 6 courses (at least 18 credits) in any combination of courses in the classical languages and courses in English on classical civilization. (Language classes are not required.)

Five year B.A./M.A. Program

The five year B.A./M.A. 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 towards both their undergraduate and graduate degrees.
The major in Cognitive and Behavioral Neuroscience (CBN) provides an intensive course of study focused on brain-behavior relationships, ranging from genetic to whole brain contributions to behavior and mental processes. The program is excellent preparation for a variety of careers focusing on research and/or practice in neuroscience, medicine, allied health fields, and psychology, as well as for more general careers in areas such as public policy and education.

Acceptance: Students are accepted into Villanova University as declared CBN majors. Therefore, prospective students who are interested in the major should select the CBN program when applying to the University. Students who have already entered Villanova may appeal directly to the Department of Psychological and Brain Sciences for special permission into the major.

MAJOR (65 credits/21 courses)

Required courses for the major are: PSY 2000, PSY 2050, PSY 4200, PSY 4500, BIO 3351, CBN 4000, CBN 4100, CBN5000. Students also take 4 elective courses (3+ credits each) from a broad list of CBN approved courses, that include courses in Psychological Science, Biological/Life Science, Cognitive Science, or Neuroscience. Students must also take 7 supporting science courses, including CHM 1151/1103, CHM 1152/1104, BIO 2105, BIO 2106, MAT 1312 or MAT 1500, MAT 1314 or MAT 1505 and PSY1000 or PSY1001 or HON 1811.

Required Courses:

CHM 1151
CHM 1103
CHM 1152
CHM 1103
BIO 2105
BIO 2106
MAT 1312 or MAT 1500
MAT 1314 or MAT 1505
PSY 1000 or 1001 or HON 1811
PSY 2000
PSY 2050
PSY 4200
PSY 4500
BIO 3351
CBN 4000
CBN 4100
CBN 5000

4 additional electives (3+ credits each) from CBN approved courses, that include courses in Psychological Science, Biological/Life Science, Cognitive Science, or Neuroscience.
The Cognitive Science Program offers a course of study in the interdisciplinary field of Cognitive Science, bringing together perspectives from cognitive psychology, computer science, philosophy, and biology to understand how intelligent systems function. An undergraduate concentration and an undergraduate minor are available to students in all of the undergraduate colleges of the University. The program is particularly well-suited to students majoring in Psychology, Computing Sciences, Philosophy, and Cognitive & Behavioral Neuroscience.

**CONCENTRATION (21 credits/7 courses)**
The concentration consists of 21 credits/7 courses including five required courses and two electives.

**Required Courses:**
- **CSC 1051** - Algorithms & Data Structures I
- **CSC 4500** - Artificial Intelligence OR **CSC 4510** - Machine Learning OR **MSE 2400** Evolution and Learning in Computational and Robotic Agents
- **PHI 4610** - Philosophy of Mind
- **PSY 4500** - Cognitive Psychology
- **CGS 5900** - Cognitive Science Seminar

**Elective Courses:**
Any two electives from the list of approved Cognitive Science courses

**MINOR (15 credits/5 courses)**
The concentration consists of 21 credits/7 courses including two required courses and three electives.

**Required Courses:**
(Any two of the following three options)
- **CSC 4500** - Artificial Intelligence OR **CSC 4510** - Machine Learning OR **MSE 2400** Evolution and Learning in Computational and Robotic Agents
- **PHI 4610** - Philosophy of Mind
Elective Courses:
Any three electives from the list of approved Cognitive Science courses. The five courses used to fulfill the Minor must span at least three different disciplines.
The Communication Department integrates theory and practice, so that courses that teach skills build upon communication principles, concepts, insights, and research techniques. We strive to provide students with an education in Communication, grounded in the Liberal Arts and Sciences. The study of communication in the liberal arts tradition focuses on the understanding and use of symbols that creates meaning in multiple communicative contexts—global and local, personal and professional, in-person and mediated. The discipline is grounded in ancient rhetorical traditions and is influenced by contemporary intellectual, artistic and technological developments. Our mission, then, is to produce well-rounded communicators who are capable of speaking and listening well, thinking critically and ethically, and writing clearly. Our graduates are placed in top graduate programs and law schools, as well as prepared to build careers in industries from public relations and marketing to media production and print/broadcast/digital journalism. Whether in corporate careers, serving their communities, or engaged in further academic study, our graduates illustrate that students of Communication are uniquely equipped to make a difference, in their lives and in the lives of others.

To Declare the Major: Enrollment in COM 1000 and COM 1100, and a minimum 2.5 GPA.

MAJOR (36 credit hours)

- **COM 1000 and COM 1100** – Recommended freshman or sophomore year
- **Two 2000-level Theories courses** – Prerequisites for 3000-level courses
- **Five 3000-level advanced topics courses** - Taken after completing at least one 2000-level, according to interest and/or specialization.
- **COM 4001 and COM 4002 Research Methods** – Recommended junior year or prior to taking COM 5050
- **COM 5050 Senior Project** – Required capstone experience taken during senior year

Only two courses may be transferred to count towards the COM major.

**Specializations**

Students may 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. With or without a specialization, students must cover three different areas in their five 3000-level
courses. A complete listing of specialization requirements and courses is available on the departmental Web page or in the departmental office.

Note: Some specializations 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.

Note: Students who plan to study abroad should take COM 1000, 1100, and at least one 2000-level course before going abroad.

MINOR (15 credits)
Students within the College of Liberal Arts & Sciences can minor in Communication by taking five (5) courses:

- COM 1000 - Survey of Communication Studies
- At least one (1) COM 2000-level course (serves as a prerequisite for COM 3000-level courses)
- Any three (3) other courses in Communication (one of which must be at the 3000-level, and one which could be a 3-credit internship focused on Communication

Only one course may be transferred to count towards the COM minor.

Students from other Villanova colleges should contact the Communication Department to learn about minors that will complement their programs of study, or visit the website.
The Comprehensive Science program allow students interested in the quantitative and physical and life sciences to get broad based competency to a full spectrum of scientific concerns and practices. Our majors gain both hands-on lab skills and quantitative aptitudes through a broad range of courses in mathematics, physical and life sciences, and computer science. The program equips students with the analytical, interpretive, and explanatory skill sets that enable their understanding of the scientific world. The flexible program allows students to create a tailored interdisciplinary program that can prepare the student for a variety of professions or graduate studies. Our majors go on to medical schools, dental schools, and other health related graduate programs, as well as careers as financial analysts, lab researchers, computing, pharmaceutical, and other careers that require a science/math background.

**MAJOR (65 credits/18 courses):**

Required Courses: BIO 2105, BIO 2106, CHM 1151, CHM 1103, CHM 1152, CHM 1104, CSC 1051, MAT 1500 (or equivalent), MAT 1505, two semesters of an approved (science major level) physics with labs, one semester of a science major level statistics, one additional approved Mathematics or Computing course, and one science major level capstone course or approved equivalent. Additionally, students must complete at least six (6) approved science electives chosen in consultation with the student’s advisor or the program director.
Located in the College of Liberal Arts and Sciences, the Department of Computing Sciences provides a solid technical education enhanced by the benefits of a liberal arts education. The Department aims to equip students with a solid foundation in computing theory, and to prepare them for lifelong independent learning and innovative thinking in a constantly changing discipline. The department seeks to develop the total person, sensitive to social and ethical concerns impacted by the computing discipline, and committed to addressing the needs of a diverse modern society.

MAJOR (51 credits/17 courses):

The major consists of 47 credits, including courses in computer science, mathematics, and the College of Liberal Arts and Sciences core curriculum. Required courses include programming in Java, computer systems, analysis of algorithms, theory of computability, database principles, organization of programming languages, software engineering, computing ethics, and a senior project. Students select three computer science electives and have four free electives.

Required Courses:
CSC 1900 (one credit introduction)
CSC 1051
CSC 1052
CSC 1300
CSC 1700
CSC 1800
CSC 2053
CSC 2400
CSC 2405
CSC 4170
CSC 4480
CSC 4700
CSC 4790
PHI 2180 (Computing Ethics)
3 CSC elective courses

MINOR: Computer Science (26 credits/ 8 courses)
The computer science minor consists of 8 courses from the requirements for the computer science major. The minor provides a strong foundation in computer science suitable for application to any other major field of endeavor.

**Required Courses:**
- CSC 1051
- CSC 1052
- CSC 1300
- CSC 1700
- CSC 2400
- CSC 4480
- 2 CSC elective courses

**MINOR: Information Science (23 credits/ 7 courses)**
The information science minor focuses on the acquisition, representation, storage, indexing, manipulation, retrieval, and management of information in all its forms -- text, audio, video, image, animation, and hypermedia.

**Required Courses:**
- CSC 1051
- CSC 1052
- CSC 1300
- CSC 2500
- CSC 3400
- 2 CSC elective courses

**CERTIFICATE: Fluency in Information Technology (FIT Certificate) (4 courses)**
The FIT certificate provides the student with a basic foundation in computing technology and a connection between that material and their chosen major field. The certificate requires just four courses: Databases for Everyone, 2 elective courses, and a capstone project to connect the computing knowledge to the student’s major.

**Required Courses:**
- CSC 1035
- CSC 4797
- 2 elective courses: Any two computer science courses. These are usually courses with no prerequisites, but can be any courses for which the student has the preparation.
The Criminology major is an interdisciplinary program designed to provide students with an understanding of the causes, social functions, nature and application of criminal law, and societal reactions to criminal law. Criminologists believe that people’s actions are strongly influenced by the conditions and situations in which they live, work, and play. Everybody makes decisions, but we recognize and study how social structures and institutions affect and constrain those decisions. Our goal as researchers is to expose and analyze the impacts of those circumstances on human decisions, societies, and opportunities. Methodologically, we incorporate multiple perspectives and analytical approaches to help create a more holistic understanding of our society. Rather than a technical program which focuses on applied skills, our program emphasizes the justice component.

Our mission as teachers is to empower students to think critically and rigorously about individuals and societies. Through our diverse offerings on local, regional, national and global social processes, we strive to create more complete human beings with a keen sense of humanity, social justice, and appropriate social policy.

MAJOR (33 credits/11 courses)

In order to declare the major, a student must have completed Introduction to Criminology (CRM 1001), with a “C+” or higher or have a minimum GPA of 3.0. The major consists of 33 credits. A student must allow three full semesters after the declaration of the major to complete all requirements. One of the criminology electives for the major can be satisfied by an internship for credit with approval from the department chair, provided that the student has at least 15 credits toward the major. Required courses include: CRM 1001, CRM 5100, SOC 5300, SOC 5400, CRM 6500, and 5 additional criminology electives and 1 sociology elective.

Required Courses:

- CRM 1001 (Introduction to Criminology)
- CRM 5100 (Criminological Theory; Prerequisite: CRM 1001)
- SOC 5300 (Data Analysis for Social Scientists)
• SOC 5400 (Applied Research Methods in Sociology)
• CRM 6500 (Senior Seminar; Prerequisite: CRM 5100 and both research courses)
• 5 CRM electives and 1 SOC elective

MINOR (15 credits/5 courses)
   A minor is open to all students and requires 5 courses and 15 credits. CRM 1001 is a required course. Courses taken on a satisfactory/unsatisfactory basis cannot be used to satisfy requirements for the minor. Only one course may be transferred from another university. Minors cannot receive Criminology credit for an internship.

Required Courses:
• CRM 1001
• 4 electives
GIS: Cultural Studies Major

Program Director: Karyn Hollis, Ph.D.
Office Location: 458 Saint Augustine Center
Telephone: 610-519-7872

(Website)
(Course Description Website)

MAJOR (Global Interdisciplinary Studies: Cultural Studies (GCST) (31 Credits/11 courses)

The Department of Global Interdisciplinary Studies (GIS) offers a major with a specialization in Irish Studies, please see that page for detailed requirements of the major.

IGIS MAJOR REQUIREMENTS

The Major requires a minimum of 11 courses or 31 credit hours.

1. Six Global interdisciplinary seminars, namely:
   • GIS 2000: Introduction to Global Interdisciplinary Studies
   • Junior Research Seminar (fulfilled by a team-taught GIS Select Course
   • One team-taught GIS Select Course (separate from one for the Junior Research Seminar
   • GIS 6500: Capstone Seminar I: Research (1st semester senior year)
   • GIS 6600: Capstone Seminar II: Thesis (2nd semester senior year)
   • GIS 5000: Special Topics (1-credit course taught by visiting scholars on topics of global significance)
   - One semester of Study Abroad, preferably in a non – English speaking country

1. Six courses in selected Area of Specialization (See below for Cultural Studies)

GIS: Cultural Studies (CST)

Six courses with the CST attribute for a minimum of 18 credits, of which the following must be included;

a) Introduction to Cultural Studies;

b) three Core Courses, one from each of the following three categories: Representation
   • CST 4100: US and Global Pop Culture
   • PHI 2750: Philosophy of Art
   • PHI 2170 Mass Media Ethics
- PHI 2760: Philosophy of Literature
- PHI 4140: Philosophy of Contemporary Music
- PHI 4150: Philosophy and Film

Gender
- PHI 2410: Philosophy of Sex and Love
- PHI 2420: Philosophy of Women
- PHI 2430: Eco-Feminism
- PHI 4900: Feminist Theories

Race
- PJ/PHI: Gender, Race and Class
- PHI 3160: History of Islamic Philosophy
- PHI 2140: Philosophy of Criminal Justice
- ENG 4646: Race & Ethnicity: Amer Novel

c) courses taken as part of a study abroad program may be counted;
d) one internship course may be counted
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.

A minimum GPA of 2.5 and a minimum grade of B- in ECO 1001 & 1002 are required to declare the economics major.

MAJOR (33 credits/11 courses)

The major consists of 33 credits, including MAT 1430 (or MAT 1235), ECO 1001, ECO 1002, ECO 2101, ECO 2102, ECO 3137, ECO 4132, plus four economics electives at 3000 or higher. Note that Calculus (which can be used to satisfy the core) is a prerequisite for ECO 2101 and ECO 2102.

Required Courses:
MAT 1430 (or MAT 1235)
ECO 1001
ECO 1002
ECO 2101
ECO 2102
ECO 3137
ECO 4132
Any 4 courses numbered ECO 3000 or higher

MINOR (18 credits/6 courses):

A minor is open to all students and requires 6 courses and 18 credits. Required courses are ECO 1001, ECO 1002, ECO 2101, ECO 2102, and two economics electives at 3000 or higher. Note that Calculus (which can be used to satisfy the core) is a prerequisite for ECO 2101 and ECO 2102.
Required Courses:
ECO 1001
ECO 1002
ECO 2101
ECO 2102
Any 2 courses numbered ECO 3000 or higher
The Education and Counseling Department undergraduate offerings include a Major in Secondary Education, two different Minor in Education programs, a Minor in Counseling, and a combined BA/MA in Education. The Secondary Education degree has been approved by the Pennsylvania Department of Education (PDE) to recommend candidates for Level I Certification in order to teach in Pennsylvania's public schools. Faculty in the department are highly engaged in both theoretical and practical research related to education and counseling.

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 27 credit hours in Education courses. These are: EDU 2202, 2300, 3000, 3251, 3263, 3264, 4245, 4290, 4292 and an appropriate teaching methods course. The coursework includes a full-time student teaching experience that is open only to students in their senior year who have completed all education and subject matter courses in their field of specialization. To be accepted into the major, students must have a 2.8 GPA, 6 credits in English and 6 credits in math. Secondary Certification candidates apply the first semester of their sophomore year. Further details can be found in the Undergraduate Student Handbook.

Required Courses:
EDU 2202
EDU 2300
EDU 3000
EDU 3251
EDU 3263
EDU 3264
EDU 4245
EDU 4290
EDU 4292
Teaching Methods Course Requirement
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 or the graduate equivalent course. Two elective courses may be selected from EDU 3264, 4245, 4289, 8656, 8669 or an education topics course.

The Minor in Counseling exposes students to knowledge of the field of counseling and the counseling process, evidence-based therapeutic practices, and the application of counseling skills. The minor is not intended to replace graduate level professional training, but to prepare students for entry level helping careers, for advanced graduate work, or to complement coursework from a variety of majors. Students interested in declaring the counseling minor must have a minimum GPA of 3.0 and complete five approved 3-credit courses (COU 2000, 3000, 3500, 3100 or 3700, and 2500 or 3400).

Minor in Education Required Courses:
EDU 2202
EDU 3251
EDU 3263
EDU 4290

Minor in Education Additional Courses (complete one course):
EDU 2201
EDU 2300
EDU 3254
EDU 3258
EDU 3260
EDU 3262
EDU 3265
EDU 3266
EDU 4301

Minor in Educational Policy and Leadership Required Courses:
EDU 2300
EDU 3253
EDU 3263
Minor in Educational Policy and Leadership Additional Courses (complete two courses):
EDU 3264
EDU 4245
EDU 4289
EDU 8656
EDU 8669

Minor in Counseling (complete five of the following):
COU 2000
COU 3000
COU 3500
COU 3100
COU 3700
COU 2500
COU 3400

NOTE: In addition to the Education major, it is recommended that students earn a second major in their teaching content subject area. Education majors may earn a double major in Education and a content subject area (i.e., Communication, English, Foreign Languages, History, Mathematics, and Political Science). Education majors must come to the Department each semester for advising. Students majoring in Education fulfill the Core Social Science requirement and a Diversity I requirement through the requirements for their major.
Please see section on Teacher Certification for more information.
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-range)
• At least one course in Amer. Lit. (mostly 4000-range)
• Three electives from English courses 2000 and above
The Department of Geography and the Environment offers B.A. degrees in Geography and Environmental Studies, and a B.S. in Environmental Science. The department also offers minors in Geography and Sustainability Studies. The department’s overarching objective is to integrate the disciplines of geography and environmental science to seek an understanding of human and environmental patterns, the processes that produce those spatial patterns, and salient human and environmental problems that face modern society. The department has three teaching and five research labs; and the department has a full suite of state-of-the-art geospatial software and equipment.

The Environmental Science and Environmental Studies majors are complementary and both provide a fundamental understanding of the scientific processes that underlie the composition of the natural landscape. Environmental specialists examine the science of the environment and develop solutions to some of the most important problems of our time. Students enrolled in our environmental majors work at the nexus of the natural and human landscape, and both majors are grounded in research, a rigorous science foundation, problem-solving methods, data analysis, and developing open-ended solutions to complex environmental issues. Environmental Science is an interdisciplinary academic field that integrates physical and natural sciences to the study of the environment and the solution of environmental problems. Environmental Studies is the academic field that systematically examines human interaction with the environment.

ENVIRONMENTAL SCIENCE MAJOR (132 credits/40 courses)

The major consists of 69 credits. Required courses include: GEV 1050, 1052, 1750, 2310, 3300, 4700, 4310, 6005 (1 cr.), CHM 1151, PHY 1100, MAT 1500, and two environmental science lab courses (i.e., GEV 432X). All seniors will complete an independent research project under the direction of a faculty mentor as a one–semester project (i.e., GEV 6200) or a two–semester senior thesis option (i.e., GEV 6210/6220). Finally, the major requires 4 science and technology electives, 2 policy and management electives, and 10 free electives.
Required Courses:
GEV 1050 and 1052
GEV 1750
GEV 2310
GEV 3300
GEV 4700
GEV 4310
2 environmental science lab courses (GEV 432X)
GEV 6005 (1 cr.)
CHM 1151 and lab
PHY 1100 and lab
MAT 1500
Senior Research (GEV6200 or GEV 6210/6220)

ENVIRONMENTAL STUDIES MAJOR (128 credits/40 courses)

The major consists of 56 credits. Required courses include: GEV 1050, 1052, 1750, 2310, 3300, 4700, 4310, 6005 (1 cr.), 2 Environmental Lab Courses, CHM 1151, and PHI 2121. All seniors will complete an independent research project under the direction of a faculty mentor as a one–semester project (i.e., GEV 6200) or a two–semester senior thesis option (i.e., GEV 6210/6220). Finally the major requires 4 science and technology electives, 2 policy and management electives, 2 environmental and humanities elective courses, and 12 free electives.

Required Courses:
GEV 1050 and 1052
GEV 1750
GEV 2310
GEV 3300
GEV 4700
GEV 4310
PHI 2121
GEV 6005 (1 cr.)
CHM 1151 and lab
Senior Research (GEV6200 or GEV 6210/6220)

SUSTAINABILITY STUDIES MINOR (16 credits/5 courses)
The sustainability minor is open to all students and requires 6 courses and ~21 credits (dependent on lab course selections). It is designed for students who wish to deepen
and broaden their knowledge of sustainability with a distinctive program of courses encompassing the relationship between the environment and society. Required course: GEV 3001 (which will replace one course from either the Humanities or Policy Stem). Select two courses from each of the three stems: Humanities, Policy, and Science and Technology. Students may count 1 course from their major or a relevant core course (including relevant MSE courses) toward the minor. For courses please refer to: http://www1.villanova.edu/villanova/artsci/geoenv/academicprograms/sustainabilityminor/courses.html.
Villanova University believes that issues of ethics and values are at the heart of every human endeavor. With this in mind, the Ethics Program offers an introductory course in ethics (ETH 2050) that is a required course for all students in the College of Liberal Arts & Sciences and the School of Business.

In addition, the Ethics Program provides both a concentration and minor that is available to students in all of the University’s undergraduate colleges. These offer students opportunities to pursue in depth an intellectual discipline that studies human character and conduct—whom we ought to be and what we ought to do. Both the concentration and the minor promote a greater understanding of ethics as a discipline from theological and philosophical perspectives, and both contribute to Villanova’s character as a Catholic, Augustinian university.

In addition to academic offerings, the Ethics Program sponsors co-curricular and extra-curricular events such as the annual Undergraduate Ethics Symposium, the Ethics Bowl, Ethics for Lunch, and the annual Ethics Lecture.

MINOR (15 credits/5 courses):
A minor is open to all students and requires 5 courses. Required Courses: ETH 2050, and four additional courses. A student must earn a “B” or higher in ETH 2050. Two of the 4 additional 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 (18 credits/6 courses)
A concentration is open to all students and requires 6 courses. Required Courses: ETH 2050, and five additional courses. A student must earn a “C” or higher in ETH 2050.

Each student in the concentration selects one of four tracks: Ethics and Healthcare; Ethics, Politics and Law; Ethics and Public Policy; or Ethics, Science, Technology and the Environment. In each track there are two required courses, and two electives from an approved list of courses found on the program website.
required courses for each track are: Track I (Ethics and Healthcare) PHI 2115 OR PHI 4125 OR PHI 2117 AND THL 4200 OR THL 4490; Track II (Ethics, Politics and Law) PHI 2300 OR PHI 2400 AND PJ 2250 OR PJ 5100; Track III (Ethics and Public Policy) PHI 2450/PJ 2600 AND THL 4320 OR PJ 5200/SOC 2950; Track IV (Ethics, Science, Technology and the Environment) PJ 2200 OR PHI 2121 AND HIS 2276 OR HI 4527. All students must take ETH 4000 Integrating Seminar, the capstone and sixth course of the concentration.

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 the design the service with the goal of enhancing comprehension of applied ethical issues in the track selected by the student.
The Romance Languages and Literatures Department offers a major in French and Francophone Studies, leading to a Bachelor of Arts degree. The major combines rigorous academic preparation with strong language, critical analysis and cultural literacy components. FFS emphasize the study of French and Francophone literatures and other cultural productions (cinema, theater). This interdisciplinary program is designed to prepare students for a variety of career paths including medicine, education, international business, government organizations and tourism. Summer and semester-long study-abroad programs in Lille, France are offered, as well as summer internships in French-speaking countries.

**MAJOR (31 credits/10 courses and):**

The major consists of 31 credits above the Intermediate level (FFS 1122), including courses in literature, cinema, and cultural studies. Required courses include: FFS 1138, 1140, 2220, 2221 and 3971. Students may obtain up to 6 credits through the Villanova summer program in Lille, France, and up to 9 credits through the semester program. One RLL course taught in English with FFS attribute may be accepted for the major. No course in English may count for the minor.

**Required Courses:**
- FFS 1138 (Advanced Grammar) or FFS 1140 (Writing and Stylistics)
- FFS 2220 (Literature and Culture of France) or FFS 2221 (Literature and Culture in the French-Speaking World)
- FFS 3971 (Directed Research in FFS, 1 credit course to be taken in conjunction with any 3000-level course)

**MINOR (12 credits/4 courses):**

A minor is open to all students and requires 4 courses (12 credits) above the Intermediate Level (FFS 1122). Suggested courses are: FFS 1131, 1132, 2220 or 2221 and 2075.

**Suggested Courses:**
- FFS 1131 (Conversation and Composition I)
- FFS 1132 (Conversation and Composition II)
FFS 2220 (Literature and Culture of France) or FFS 2221 (Literature and Culture in the French-Speaking World)
FFS 2075 (Introduction to French Cinema)
Gender and Women’s Studies

Co-Directors: Catherine Kerrison, Ph.D. and Shauna MacDonald, Ph.D.
Office Location: 488 Saint Augustine Center

Gender and Women's Studies offers a major and a minor under the Department of Global Interdisciplinary Studies. It is an interdisciplinary field that continually asks us to rethink history, culture, and identity. In the twenty-first century it continues to transform scholarship and fundamental assumptions in all areas of the humanities, social and natural sciences, and the professions. Because gender and sexuality are fundamental to the ways men and women understand themselves, a major or minor in GWS can substantially enhance practically any other field of study, and helps its graduates navigate the work force they are preparing to enter.

MAJOR (30 credits/ 10 courses):

The major consists of ten courses, including four required courses: Introduction to Gender Studies (GWS 2050), Introduction to Global Studies (GIS 2000), a sophomore research seminar in feminist theory and methodology, and the Integrating Seminar (GWS 5000). The remaining six courses are electives, two of which must be in the social sciences and two in the humanities. Elective courses must carry the GWS attribute.

Required Courses:
GWS 2050
GIS 2000
Sophomore Seminar (selected in consultation with GWS advisor)
GWS 5000

MINOR (18 credits/ 6 courses)

The minor is open to all students and requires 2 courses and four electives for a total of 18 credits. Required courses are Introduction to Gender Studies (GWS 2050) and the Integrating Seminar (GWS 5000). Students may choose their remaining four electives from any GWS-attribute courses that are available in a variety of disciplines.

Required Courses:
GWS 2050
GWS 5000

Sample elective courses:
AAH 3009 Gender, Sexuality, and Visual Culture
COM 3341 Gender and Film
ECO 3118 Women and the Economy
ENG 5000 Queer Theory and American Literature
<table>
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<tr>
<th>Code</th>
<th>Course Title</th>
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<tr>
<td>FRE 3412</td>
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</tr>
<tr>
<td>GIS 4279</td>
<td>Global Masculinity</td>
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<tr>
<td>HIS 4090</td>
<td>Women in the Middle East</td>
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<td>NUR 2200</td>
<td>Healthy Lifestyles and Human Value</td>
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<td>PHI 2410</td>
<td>Philosophy of Sex and Love</td>
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<tr>
<td>PJ 2800</td>
<td>Race, Class and Gender</td>
</tr>
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<td>PSY 3000</td>
<td>Psychology of Gender</td>
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<td>THL 4990</td>
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The Department of Geography and the Environment offers B.A. degrees in Geography and Environmental Studies, and a B.S. in Environmental Science. The department also offers minors in Geography and Sustainability Studies. The department’s overarching objective is to integrate the disciplines of geography and environmental science to seek an understanding of human and environmental patterns, the processes that produce those spatial patterns, and salient human and environmental problems that face modern society. The department has three teaching and five research labs; and the department has a full suite of state-of-the-art geospatial software and equipment.

Geography is unique in bridging the social and the natural sciences. There are two main branches of geography: human and physical. Human geography is concerned with the spatial aspects of human existence. Physical geographers study patterns of climates, landforms, vegetation, soils, and water. Geographers use many tools and techniques in their work, and geographic technologies are increasingly important for understanding our complex world. They include Geographic Information Systems (GIS), Remote Sensing, Global Positioning Systems (GPS), and online mapping such as Google Earth. Individual geography programs are formed around major themes: (1) human systems analysis and human geography; (2) geographical techniques; (3) regional analysis; and (4) physical geography and environmental systems. The department has a state-of-the-art computer facility dedicated exclusively to the Geospatial Sciences.

**MAJOR (125 credits/40 courses)**

The major consists of 33 credits, including courses in regional geography, physical geography, and the geospatial sciences. Required courses include: GEV 1002, 1003, 1750, 2500, 6005 (1 cr.), and 4700. Additionally, students are required to complete one regional geography course and 3 geography electives numbered above 2000. Finally all seniors will complete an independent research project under the direction of a faculty mentor as a one-semester project (i.e., GEV 6200) or a two-semester senior thesis option (i.e., GEV 6210/6220).

**Required Courses:**
Required Courses:
GEV 1002 or 1003
GEV 4700
Regional Course (GEV 3500 or 3250)
Three Geography Elective Courses above 2000
Senior Research (GEV6200 or GEV 6210/6220)
The Department of Global Interdisciplinary Studies (GIS) provides students with a tripartite of skills, knowledge, and values that foster critical thinking, problem solving, and preparation for responsible global citizenship. Students gain an understanding of global studies, acquiring the know-how in global and digital literacy, cultural diversity and intercultural competences, interdisciplinary research, and a passion for social justice, nurtured in experiential learning.

The central dynamic of the GIS major is the emphasis on the interdisciplinary and the global through a specialization in one of the following area and thematic studies, namely: Africana Studies, Arab & Islamic Studies, Asian Studies, Cultural Studies, Irish Studies, Latin American Studies, and Russian Area Studies. A student may also consider an Individually Designed Specialization after meeting some requirements, including meeting with the Chair of the department. Each specialization emphasizes the core tenets of the major: interdisciplinary research, global impact through the local, and the application of knowledge to world affairs.

MAJOR: Global Interdisciplinary Studies (31-34 credits/11-12 courses and Study Abroad Experience)
Required Courses:
• GIS 2000: Introduction to Global Interdisciplinary Studies;
• 2 GIS team-taught 3-credit courses from GIS 4000 through GIS 6499, one of which counts as the Junior Research Seminar for the major;
• GIS 6500: Senior Capstone 1: Research;
• GIS 6600: Senior Capstone 2: Thesis;
• 1-credit GIS 5000: Special Topics;
• 1 semester of Study Abroad; and a specialization.

Seven Area Specializations: GIS offers seven specializations in interdisciplinary areas of study—Africana Studies, Arab and Islamic Studies, Asian Studies, Cultural Studies, Irish Studies, Latin American Studies, and Russian Area Studies. The additional requirements of each specialization are listed below. Students must indicate their specialization at the time of declaring the GIS major.

Individually Designed Specialization: A student may opt out of the seven specializations and design a 15-credit specialization. This specialization must be
proposed at the declaration of the major, with a clear rationalization for all selected courses. The proposal must be approved by a faculty mentor and the Department Chair and include at least three courses regularly offered at Villanova University.

GIS: Africana Studies (GAFR)
Six courses with the AFR attribute for a minimum of 18 credits, of which the following must be included:
- a. AFR 3000: Constructs of Blackness;
- b. one course in either Africana History or Literature (HIS 2292, 2293; ENG 2501, 2502, 3690, 2530)
- c. students may also combine three 1-credit IGR courses to count as one of the undesignated Africana courses;
- d. courses taken as part of a study abroad program may be counted;
- e. A GIS Select course with AFR attribute may be counted among the six courses, as long as the two required GIS Select courses (GIS 4000-6499) for the GIS major have been fulfilled.

GIS: Arab and Islamic Studies (GAIS)
Five courses with the AIS attribute for a minimum of 15 credits, of which the following must be included:
- a. two courses of Arabic at the intermediate level;
- b. one Political Science course with an AIS attribute;
- c. one History course with an AIS attribute;
- d. one Theology course with an AIS attribute;
- e. courses taken as part of a study abroad program may be counted.

GIS: Asian Studies (GASN)
Five courses with the ASN attribute for a minimum of 15 credits, of which the following must be included:
- a. two courses of either Chinese or Japanese at the intermediate level or above;
- b. three non-language courses with the ASN attribute;
- c. courses taken as part of a study abroad program may be counted;
- d. one internship course may be counted.

GIS: Cultural Studies (GCST)
Six courses with the CST attribute for a minimum of 18 credit, of which the following must be included:
- a. CST 2100: Introduction to Cultural Studies;
- b. courses taken as part of a study abroad program may be counted; one internship course may be counted
- c. three Core Courses, one from each of the following three categories:

**Representation:**
- a. CST 4100: US and Global Pop Culture
- b. PHI 2750: Philosophy of Art
- c. PHI 2170 Mass Media Ethics
d. PHI 2760: Philosophy of Literature  
e. PHI 4140: Philosophy of Contemporary Music  
f. PHI 4150: Philosophy and Film  

Gender:  
a. PHI 2410: Philosophy of Sex and Love  
b. PHI 2420: Philosophy of Women  
c. PHI 2430: Eco-Feminism  
d. PHI 4900: Feminist Theories  

Race:  
a. PJ/PHI: Gender, Race and Class  
b. PHI 3160: History of Islamic Philosophy  
c. PHI 2140: Philosophy of Criminal Justice  
d. ENG 4646: Race & Ethnicity: American Novel  

GIS: Irish Studies (GIST)  
Five courses with the IS attribute for a minimum of 15 credits, of which the following must be included:  
a. one course of Irish language at the intermediate level or above (IS 1121 or IS 2222);  
b. one literature survey (ENG 2450 or ENG 2500);  
c. one history survey (HIS 3216 or HIS 2286);  
d. two electives with IS attribute  
e. courses taken as part of a study abroad program may be counted;  
f. one internship course may be counted.  

GIS: Russian Area Studies (GRAS)  
Six courses for a minimum of 18 credits, of which the following must be included:  
a. two Russian language courses at the intermediate level;  
b. four courses with the RAS attribute for a minimum of 12 credits;  
c. up to two courses taken as part of a study abroad program may be counted.  

g. courses taken as part of a study abroad program may be counted.  
f. one internship course may be counted.  

GIS: Latin American Studies (GLAS)  
Six courses for a minimum of 18 credits, of which the following must be included:  
a. four courses with the LAS attribute (12 credits minimum)  
b. two advanced Spanish courses above 1122 (6 credits)  
c. courses taken as part of a study abroad program may be counted  
d. one internship course may be counted.  

The Department of Global Interdisciplinary Studies also offers minors in the following programs:  
a. Arabic Language and Cultural Studies  
b. Chinese Language and Cultural Studies  
c. Japanese Language and Cultural Studies  
d. Russian Language and Cultural Studies Please see their individual pages for requirements.
The History Department at Villanova offers students a dynamic liberal arts education with courses that span from antiquity to the modern world and traverse every region of the globe. The undergraduate History program focuses on the attainment of deep historical knowledge and a critical understanding of the enduring influence of the past on contemporary societies. The faculty members of the History Department work closely with our students and prioritize individual development. Our rigorous courses provide the essential transferable skills that make our students competitive on the job market after graduation, and stimulate the intellectual curiosity our students need to become engaged citizens of the world.

The History program helps to prepare students for their future by:

- providing a broad range of courses and experiential opportunities such as internships that encourage students to develop historical awareness, perspective, and understanding;
- instructing and guiding students to develop sound research and analytical skills;
- training students to understand the standard forms of historical expression, to critique historical arguments made by others, and to produce historical arguments themselves;
- developing students’ ability to perceive how different aspects or types of human endeavor and experience may be connected;
- leading students to identify the historical roots of contemporary issues and challenges, with attention to diverse cultural, religious, and social values;
- assisting students to understand and evaluate the role of human choice in history;
- providing information and opportunities to acquire the necessary skills to identify and pursue post-graduate opportunities for employment or further education;
- assisting students in identifying career options most suited to their skills, strengths, and interests.

**MAJOR (33 credits / 11 courses)**

The History major is 33 credits and consists of 10 courses in History and one in Art History.

**Required Courses:**
• One of the specially designated core History courses (between HIS 1060 through HIS 1250)
• Either HIS 2000, Investigating US History I or HIS 2001, Investigating US History II
• History 5001 (Junior Research Seminar)
• History 5501 (Seminar in Historical Methodology) or, with special permission of department chair, History 5515 (Independent Research)
• At least six additional History courses of the student’s choice
• One Art History course in an area that complements one of the ten History courses. This course does not fulfill the core Fine Arts requirement.

History majors must earn 27 credits in History and 3 credits in Art History beyond the specially designated core course. Majors must complete at least 18 credits / 6 courses at Villanova.

MINOR (18 credits / 6 courses):
For students in the College of Liberal Arts and Sciences, the 18 credit hours must include one specially designated core course. One of the following courses may also be taken for credit toward the History 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.

AP Credit Policy:

• Students who receive AP credit must still take one of the specially designated core courses in History.
• Students will receive a maximum of six (6) credits toward fulfillment of the major’s requirements, and a maximum of three (3) from elective credits.
• History credit will be given for scores of 4 or 5 on any exam – in U.S., European, or World History.
• AP World History – with score of 4 or 5 on exam: 3 credits for History 1040 or 1050.
• AP US History – with score of 4 or 5 on exam, 3 credits for History 1002 or 1003. (Students who receive AP credit for U.S. History must still take either His 2000 or His 2001).
• AP European History – with score of 4 or 5 on exam, 3 credits for History 1021.
Acceptance: Admission to the University Honors Program is by invitation or by application to the Director. Members of the Program are expected to take Honors courses at least every third semester, and to maintain high academic standards (at least a 3.33 overall GPA). Individual Honors courses are open to all Villanova students who have at least a 3.0 overall GPA or will bring a special expertise to the course, contingent upon class size limitations.

DEGREE
Honors Degree, Thesis Track (10 Honors courses)
Requirements: At least 3 upper level Honors courses, which will include a six-credit HON 6000 and HON 6002 senior thesis; minimum 3.33 GPA.

Honors Degree, Oral Examination Track (10 Honors courses) Requirements: An Oral Comprehensive Examination in the senior year integrates three upper-level Honors courses in a primary major or area of academic interest; minimum 3.33 GPA.

MINOR (5 Honors courses)
Requirements: Five courses in Honors, at least two of which must be upper level; minimum 3.33 GPA.

For first- and second-year students, the Program offers Honors seminars in place of the core curriculum introductory courses. The Honors Program also offers upper-level seminars which fulfill degree and minor requirements in specific academic disciplines. All courses are small seminars and have in common active class participation, and intensive writing requirements.

Honors Minor in Politics, Philosophy, and Economics (18 credits)
An interdisciplinary minor offered through the Honors Program focusing on the intersection of the disciplines of politics, philosophy and economics. Students may only contract one non-Honors course to complete the minor requirements. Excluding the 3 Honors Cohort classes, which must be taken at Villanova, students may fulfill two of any other requirement by taking the equivalent course in an Honors-approved student abroad experience.

To achieve the Honors PPE minor, students must take 6 courses from among the following requirements (minimum 3.33 GPA and active status in Honors required):

3 Honors Cohort Classes
Honors ACS I: PPE Cohort
Honors ACS II: PPE Cohort
HON 5700: Justice Seminar

1 Honors course in Ethics

- Ethics 2050: Business and Society
- Students may also count a course in Ethics taken during their study abroad semester in Cambridge with permission from the Honors Director.

1 Honors Economics courses

- (Macro, Micro, International, e.g.)
- Students may also count an economics course taken during their study abroad semester in Cambridge with permission from the Honors Director.

1 upper level Elective (Can be contracted)

- PHI 2300: (Philosophy of Law)
- PHI 2450: (Catholic Social Thought)
- PSC 2200: (International Law)
- PSC 2240: (International Political Economy)
- ECO 3108: (Global Political Economy)
- ECO 3115: (Comparative Economic Systems)
- ECO 3126: (American Economic Development)
- HUM 2100: (Goods and the Good Life)
- HUM 5950: (Citizenship and Globalization)

Honors Minor in Medical Humanities (15 credits)
An interdisciplinary minor offered through the University Honors Program focusing on the intersection of the humanities, medical care, medical ethics, and an holistic approach to medicine. Students pursuing this minor may contract only one course to fulfill the requirements.

To achieve the Honors Medical Humanities Minors students must take 5 courses from among the following requirements (minimum 3.33 GPA and active status in Honors required):

2 Honors liberal arts courses, taken from the following
- ACS I-II: Good, True
- Honors Core Seminar: Beauty
- Any Interdisc course
- THL 1500: Spirituality and the Healing Arts (can be contracted)
- THL 3450: Pastoral Care of the Sick (can be contracted)
• HUM 2003: World (can be contracted)

1 Honors Ethics course focusing on medical ethics
• ETH 2050: Medical Ethics
• PHI 4125: Bioethics (can be contracted)
• THL 4200: Ethics and Life and Death (can be contracted)

1 Upper level Honors elective/Junior Experience course
• PHI 2117: Good Doctor
• SOC 3400: Medical Sociology (can be contracted)

Senior Capstone
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.
Individually Designed Major (IDM)

Program Director: Office of the Dean
Office Location: Saint Augustine Center, Room 105
Telephone: 610-519-5969

Acceptance: An intensive proposal and approval process should be initiated no later than the second semester of freshman year. Please see the website for further details.

MAJOR (33 Credits)
An individually designed major (IDM) is motivated by your own learning goals, and guided by a roadmap that you will develop in consultation with faculty. It should not be confused with independent study, wherein a faculty member takes the lead in developing a reading and writing program. Faculty members and the established programs and departments within the College of Liberal Arts and Sciences, will be collaborative resources to pursue a unique course of study, if the established majors are deemed not to provide a pathway to specific goals. The IDM fosters a more explicit pursuit of interdisciplinary study, providing a mechanism to design a major that would intentionally integrate different methodologies, topics, disciplinary cultures, and learning styles.
Irish Studies explores the history and culture of the Irish people in Ireland and the Irish diaspora from a variety of disciplines—art, economics, folklore, history, language, literature, music, philosophy, political science, and theater. Students can major in Irish Studies through the department of Global Interdisciplinary Studies, culminating in a rigorous multidisciplinary thesis. The minor is open to students from all colleges and can be completed by taking five courses, two required and three electives, either on campus and abroad. For students in the College of Arts and Science, two four-credit courses in the Irish language may be taken to complete the College language requirement.

The Center works with organizations in the surrounding Delaware Valley and hosts a lively series of readings, academic lectures, performances, and receptions, also welcoming cultural, political, and business leaders to campus for networking. Interested students may also study in Ireland in a Semester Abroad program or through the Villanova Summer in Ireland Program or apply for one of several professional internships abroad or in Philadelphia. Details are available through the Irish Studies office.

MAJOR Global Interdisciplinary Studies: Irish Studies (GIST) (31 credits/11 courses)

The Department of Global Interdisciplinary Studies (GIS) offers a major with a specialization in Irish Studies, please see that page for detailed requirements of the major.

MINOR (15 credits/5 courses)
A minor is open to all students and requires one required English and one required History course are pre-requisites for completing an Irish Studies minor.

Required Courses:
ENG 2450 or ENG 2500
HIS 2286 or HIS 3216
Any 3 courses with an IS attribute.
The Italian Studies Program, within the Department of Romance Languages and Literatures, is designed to make students fluent in Italian, to expose them to Italian culture in all its aspects (literature, visual arts, design, history, cinema), to broaden their intellectual horizon, and to introduce them to the professional world. Italian offers a flexible major or minor, which can be easily combined with majors in psychology, communications, humanities, economics, business, nursing, law and politics.

All students are strongly encouraged to study abroad, at one of our partner programs in Italy. Approved courses taken abroad can count for ITA credits. Upon request, majors can intern for credits in Italian companies in Italy or in the U.S. Our graduates enjoy careers in law, medicine, banking, consulting, museum curatorship, journalism, art, writing, and translation.

MAJOR (30 credits/10 courses above the intermediate level):
Required Courses:
• ITA 1138 (Advanced Italian Grammar) or ITA 1140 (Writing & Stylistics in Italian)
• ITA 2221 or ITA 2222 (Italian Literature and Culture I or II)
• Any ITA 2000 level course (one of them will be elected as Research Seminar)
• Students may count for the ITA major one course taught in English (RLL 3413 - Italy & Beauty)

MINOR (15 credits/5 courses above the intermediate level):
Required Courses:
• Any course above ITA 1122
• Students may count for the ITA minor one course taught in English (RLL 3413 Italy & Beauty)

After completing the placement test, students are required to register for the class where they have been assigned. Any change must be discussed with the Italian coordinator.
The Japanese Language and Cultural Studies program offers a variety of courses that cover everything from language study to all aspects of Japan — traditional and pop culture, society, history, literature, films, culinary culture and women's studies. The program represents a cutting edge intellectual experience that provides its minors with a real advantage in critiquing, understanding, and navigating the global landscape.

**MAJOR (28 credits/six courses)**

The Japanese Language and Cultural Studies minor is open to all students and requires six courses and 28 credits.

**Required Courses:**
- JPN 1111: Basic Japanese I (6-credit)
- JPN 1112: Basic Japanese II (6-credit)
- JPN 1121: Intermediate Japanese I (5-credit)
- JPN 1122: Intermediate Japanese II (5-credit)

PLUS two 3-credit courses in Japanese cultural studies, including:
- JPN 2102: Japanese Film
- JPN 2143: Japanese Animation
- JPN 2144: Japanese Culinary Culture
- GIS 4281: The Tale of Shanghai and Tokyo

Other culture-based courses with ASN attribute found across disciplines also qualify.
Latin American Studies

Program Director: Cristina Soriano, Ph.D.
Office Location: 446 Saint Augustine Center
[Website]

The Latin American Studies offers students in all the University’s four colleges the opportunity to acquire broad inter-disciplinary understanding and appreciation of the entire region of Latin America and the Caribbean. To that end, the Program offers a Major within the Department of Global Interdisciplinary Studies and a Minor. A dynamic group of professors from different departments (including Economics, Sociology, English, History, Political Science, Public Administration, and Romance Languages and Literature) offer diverse and innovative courses that allow students to explore this vibrant region from an interdisciplinary perspective. Over the years, the Program has widened its curricular offerings and overseas academic presence in countries, such as Chile and Costa Rica. The program also offers our students great internship opportunities at local organizations in Philadelphia and Norristown where students will be able to share with Latin American or Latino communities, promoting social, educational, linguistic, and cultural projects.

MAJOR (Global Interdisciplinary Studies: Latin American Studies (GLAS) (34 Credits/12 courses)
The Department of Global Interdisciplinary Studies (GIS) offers a major with a specialization in Latin American Studies, please see that page for detailed requirements of the major.

MINOR (18 credits/ 6 courses) example:
A minor is open to all students and requires 6 courses and 18 credits.
Required courses for the LAS minor are:

- Two Spanish courses above 1122
- Four Latin America elective courses (courses with LAS attribute)
Liberal Arts Major

Contact: Susan Jacobs, M.A., Assistant Dean for Undergraduate Students
Office Location: 107 Saint Augustine Center
Telephone: 610-519-3900

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 requires a plan of study outlined with a faculty advisor as part of the application process and is granted by special permission from the Assistant Dean for Undergraduate Students. Please visit the office for more details.
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 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 filing an application with the Math Minor coordinator.
**Required Courses:** MAT 1500, 1505, 2500, plus five courses chosen from MAT 2600, MAT 2705 and MAT courses numbered 3000 or higher. Students may petition to substitute an approved upper division course (e.g. CSC 4170, ECO 3138, PHY 4202, CEE 3705) in his/her major for ONE of these five 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.
Chair: LTC Justin Shaffer, U.S. Army
Office Location: Military Science Building

[Website]
[Course Descriptions]

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

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

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

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

**MINOR:**
(Navy Option) NS 0100, 1000, 1100, 2100, 2200, 3100, 3200, 4100, 4200.
(Marine Option) NS 0100, 1000, 1100, 3500, 3600, 4100, 4200.
The interdisciplinary curriculum of the Center for Peace and Justice Education is rooted in Villanova’s Augustinian tradition of education in the service of peace and social justice, with particular emphasis on the poor and marginalized in society. Students are prepared to understand the essential elements of a moral and just society, reflect on models for socially responsible resolution of injustice and conflict, and learn the necessary skills to be advocates for a just and peaceful world.

**MAJOR** (30 credits/10 courses) The major in Peace and Justice Studies is offered in collaboration with the Department of Global Interdisciplinary Studies. To complete the major, students take five required courses (PJ 2800: Race, Class, and Gender; GIS 2000: Intro to Global Interdisciplinary Studies; PJ 2993: Internship; GIS Senior Capstone 1: Research; GIS Senior Capstone 2: Thesis) and five elective courses in Peace and Justice, courses with a Peace and Justice attribute, or courses otherwise earning Peace and Justice credit. Electives should be determined in consultation with the program director and tailored to the student’s field(s) of interest.

**Required Courses:**
- GIS 2000
- PJ 2800
- PJ 2993
- GIS 6500
- GIS 6600
- 5 PJ Electives

**MINOR** (18 credits/6 courses) To complete a minor in Peace and Justice, students must take 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. Students must also complete an ePortfolio during their final semester.

Note: No more than three foundational courses may receive credit for the minor. No more than three 1-credit courses may receive credit for the minor.

**Required Courses:**
1 Foundational Course (PJ 2250, PHI 2450, PJ 2700, PJ 2800, or PJ 2900)
5 PJ Electives
The Philosophy department offers interesting courses that help students better understand the world and their place in it. Philosophy courses teach students to analyze difficult texts, to write clearly and precisely, to defend their views with cogent arguments and to take pleasure in the struggle with complex ideas and questions.

**MAJOR (10 courses, 30 Credits)**
In addition to taking PHI 1000 (Knowledge, Reality, Self’), philosophy majors take nine additional courses including the history of philosophy sequence (PHI 3020, 3030, and 3040) and a capstone course (PHI 5000 or 6000). With permission of the chair, students may substitute certain upper division electives for the history of philosophy sequence or the capstone course.

Students who are majoring in philosophy may, if they wish, pursue a specific area of philosophy by taking one of the department’s thematic clusters or devising one of their own (see the website for more information about the thematic clusters). Philosophy majors are also encouraged to work with an individual faculty member to write a thesis, which substitutes for the capstone course.

**DOUBLE MAJORS**
Because of the interdisciplinary nature of philosophy, the department welcomes and encourages double majors. With the permission of the chair, philosophy majors may count two related courses from the second major toward fulfillment of the philosophy major requirements.

**MINOR (5 courses)**
Philosophy minors take any five courses in the philosophy department.
Physics: The Fundamentals of Matter, Energy, Space, Time and Interactions

Physics is an experimental science in which its practitioners investigate nature at the most fundamental level on scales ranging from subatomic distances to the size of the universe. It is a quest to understand the origin and behavior of all forces: forces that account for the observed stability and in some cases instability of the atomic nucleus; forces that account for the stability of the atom; and forces that account for the stability of matter and the large scale structures of the universe.

In this sense, it is the most fundamental of all physical sciences, and the successful physics student will be adept at solving problems using techniques that probe the fundamental building blocks of nature. Being trained to analyze phenomena at the most fundamental level makes the physics major versatile. Therefore, the student who successfully completes the degree in physics will not only be well prepared for graduate studies in physics, but also for employment in research oriented industries or study in professional fields.

MAJOR (136 credits):

The BS in Physics is for the student who wants to be a professional physicist or go on to graduate school in physics. The BA in Physics is for the student who wants to minor in another science or in engineering or who is planning employment in graduate studies outside of the sciences in fields such as medicine, law, business, journalism, secondary school teaching, or other fields. Instead of the normal advanced courses in physics, the candidate uses these slots for a minor in another area. There is a senior research option.

BS Required Courses:  
PHY 2410-2411  
PHY 2412-2413  
PHY 2601  
PHY 2603  
MAT 1500  
MAT 1505

BA Required Courses:  
PHY 2410-2411  
PHY 2412-2413  
PHY 2601  
PHY 2603  
PHY 1500  
PHY 1505
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<tr>
<td>PHY Elective or Senior Thesis/Research Project</td>
<td></td>
</tr>
<tr>
<td>Science Elective (4 credit)</td>
<td></td>
</tr>
</tbody>
</table>

**MINOR (16 credits):**

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. **This requires sixteen credits in the University Physics sequence, Physics 2410-2417, and fifteen additional credits of upper-level physics electives.** The Minor in Applies Physics for Math Majors requires all of the Math courses required for the Math degree, plus MAT 4310, PHY 2410/2411, through PHY 2416/2417, PHY 3310/3311, and PHY 4301/4303.

Specific details pertaining to the above programs, including course descriptions, can be found at the website listed above.
Today, no less than in the past, it is essential for citizens in a democracy to be educated about the political system in which they live and to know how that system relates to other governments and international issues. The study of political science will educate you about timely and important political issues on a national and global scale while helping you develop a set of analytical, reasoning and research skills to last a lifetime. As a political science major, you will learn about American politics, comparative politics, international relations and political theory; become familiar with the methodology of social science inquiry and learn how to conduct research; build competence in oral and written expression; develop reasoning and analytical skills; become a politically engaged citizen-leader; prepare for any number of politically-oriented careers or for graduate or professional training. As a political science major, you will learn how political leaders operate; governments make decisions; politics shapes public policy; governments respond to internal and international conflicts; people develop political attitudes and preferences; groups attempt to influence government; and governments can best serve their people.

In the context of the liberal arts tradition, the Department of Political Science seeks to encourage in its students a commitment to intellectual curiosity, academic excellence, and responsible civic engagement. The Department is committed to helping students improve their skills of observation, critical reading, rigorous thought, careful evidence-based argumentation, and effective communication, and to develop values of good citizenship.

MAJOR (33 credits/11 courses)

The major consists of eleven courses. Four foundational courses are required, along with a research seminar and senior seminar, as follows:

- PSC 1100 (American Government)
- PSC 1200 (International Relations)
- PSC 1300 (Comparative Politics)
- PSC 1400 (Political Theory)
- PSC 1900 (Research Seminar)
- PSC 6900 (Senior Seminar)

Students must complete the research seminar upon declaring the major and the capstone senior seminar after completing their other coursework. The senior seminar is restricted to Political Science senior majors. Five elective courses are required and may be taken from any upper division focal (2000-level) or specialized (3000-level) offerings. With the exception of internships (up to 3 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. Juniors may apply for the five-year BA/MA program.

**MINOR (18 credits/6 courses) example:**

A minor is open to all students and requires 6 courses and 18 credits. Requirements include any two of the four foundational courses (PSC 1100, PSC 1200, PSC 1300, and PSC 1400), plus any four upper division focal (2000-level) or specialized (3000-level) offerings. Courses taken on a satisfactory/unsatisfactory basis cannot be used to satisfy requirements for the minor.
Psychology is the basic and applied science of mind and behavior. Psychologists use the methods of both natural and social science to advance our knowledge and understanding of thought, emotion, and behavior in humans and other organisms. Psychologists also apply this knowledge to improve the conditions of individuals and society.

Acceptance: The Department of Psychological and Brain Sciences offers two majors in psychology, a Bachelor of Science (B.S.) and a Bachelor of Arts (B.A.). To declare either major students must have completed PSY 1000 or HON 1811 or PSY 1001, or have AP credit for PSY 1000. In addition, they must have a C+ or higher in PSY 1000 HON 1811 or PSY 1001, or have an overall minimum GPA of 3.00.

MAJOR (B.S. 53 credits/17 courses; B.A. 31 credits/11 courses)
Required Courses for both the B.S. and B.A. are PSY 1000 or PSY 1001 or HON 1811, PSY 2000, PSY 2050, PSY 2100, and PSY 5150 or PSY 5250. B.S. students take seven more psychology courses (3 PSY 3000 level courses, PSY 4200, PSY 4500, and any additional 2 PSY courses) as well as five supporting science courses (BIO 2105, BIO 2106, CSC 1051, MATH 1312 or MAT 1500, and MAT 1314 or MAT 1505). B.A. students take six more psychology courses (3 PSY 3000 level courses, PSY 4200 or PSY 4500, and any additional 2 PSY courses). Courses taken on a satisfactory/unsatisfactory basis cannot be used to satisfy requirements for the major.

B.S. Required Courses:
PSY 1000 or PSY 1001 or HON 1811
PSY 2000
PSY 2050
PSY 2100
3 PSY courses 3000 level
PSY 4200
PSY 4500
PSY 5150 or PSY 5250
Any 2 additional PSY course not graded S/U
BIO 2105
BIO 2106
CSC 1051
MAT 1312 or MAT 1500
MAT 1314 or MAT 1505

B.A. Required Courses:
PSY 1000 or PSY 1001 or HON 1811
PSY 2000
PSY 2050
PSY 2100
3 PSY courses 3000 level
PSY 4200 or PSY 4500
PSY 5150 or PSY 5250
Any 2 additional PSY course not graded S/U

MINOR (15 credits/5courses)
A minor is open to all students and requires 5 courses and 15 credits. Required courses are PSY 1000 or PSY 1001 or HON 1811, plus an additional 4 PSY courses that are 3-credits.

Required Courses:
PSY 1000 or PSY 1001 or HON 1811
Any 4 PSY course that are 3-credits
Minor in Public Service and Administration (18 credits/6 courses):
The Department of Public Administration offers a Minor in Public Service and Administration for undergraduate students. The minor is an interdisciplinary course of study, open to students from all Colleges, that prepares students to be responsibly engaged citizens, government managers, and community leaders working in the “new public sector.” The “new public sector” refers to the complex relationships that exist between government at all levels, nonprofit organizations, higher education, and the private sector. Now more than ever before, these groups have been called upon to cooperate in order to address society’s most pressing and challenging problems.

In the Public Service and Administration Minor, you will be introduced to ethical, philosophical, theological, historical, social, and political perspectives that influence the leadership and management of government and nonprofit organizations.

The specific goals of this minor are to help prepare you to:
- Understand and pursue the common good
- Assist in the creation, implementation, and analysis of public programs
- Strengthen communities through innovative leadership and engaged citizenship
- Reflect on how the citizen as public servant discovers meaning and purpose in one’s life by forging and developing the bonds of community

Requirements for the Minor:
The Minor in Public Service and Administration is open to all students and requires the completion of six courses (18 credits). At least four of the courses (12 credits) must be taken within the Department of Public Administration and up to two pre-approved elective courses may be taken outside of the Department’s course offerings. Of the four courses within the Department, students must complete PA 1050 Public Administration and either PA 2000 Public Policy or PA 6000 Vocation of Public Service.
A maximum of two elective courses may be taken outside the Department of Public Administration. The list of approved elective courses can be reviewed here. Finally, all service learning courses can be approved as elective courses towards the Minor.

Required Courses:
- PA 1050
- PA 2000 OR PA 6000

Elective Courses:
- PA 2000
- PA 2100
- PA 3000
- PA 5000
- PA 5100
- PA 6000
- PA 6100
- Pre-Approved Electives – Outside of Department of Public Administration
Russian Area Studies Concentration (RASCON)

Program Director: Joseph Loya, O.S.A.
Office Location: 233 Saint Augustine Center
Telephone: 610-519-7243

[Website]

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 multidisciplinary comprehension of Russia through the study of this complex country’s language, culture, literature, history, politics, religions and art.

MAJOR (Global Interdisciplinary Studies: Russian Area Studies (GRAS) 34 Credits/12 courses) The Department of Global Interdisciplinary Studies (GIS) offers a major with a specialization in Russian Area Studies, please see that page for detailed requirements of the major.

CONCENTRATION (RASCON) (18 credits/6 courses) Two semesters of Russian at the intermediate level, or demonstrated proficiency at an equivalent level, plus 12 credit hours selected from among the following: HIS 1070, 3241, 3242, 4701; PSC 2320; RUS 1131, 1132, 3412; 4110, 4120; 4130; SAR 4007; THL 5200; and appropriate special topics courses in Economics and History as approved by the director.

Plus any four courses from among:
HIS 1070
HIS 3241
HIS 3242
HIS 4701
PSC 2320
RUS 3412
RUS 4110
RUS 4120
RUS 4130
SAR 4007
THL 5200
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.

MINOR (24 credits/6 courses):
The Russian Language and Cultural Studies minor is open to all students and requires six courses and 24 credits.

Required Courses:
RUS 1111: Basic Russian I (6-credit)
RUS 1112: Basic Russian II (6-credit)
RUS 1123: Intermediate Russian I (3-credit)
RUS 1124: Intermediate Russian II (3-credit)

PLUS two 3-credit courses with the RAS attribute.

Other culture-based courses with RAS attribute found across disciplines also qualify.
Sociology is the systematic study of social behavior and human groups. Sociologists believe that people’s actions are strongly influenced by the conditions and situations in which they live, work, and play. Everybody makes decisions, but we recognize and study how social structures and institutions affect and constrain those decisions. Our goal as researchers is to expose and analyze the impacts of those circumstances on human decisions, societies, and opportunities. Methodologically, we incorporate multiple perspectives and analytical approaches to help create a more holistic understanding of our society.

Our mission as teachers is to empower students to think critically and rigorously about individuals and societies. Through our diverse offerings on local, regional, national and global social processes, we strive to create more complete human beings with a keen sense of humanity, social justice, and appropriate social policy.

MAJOR (33 credits/11 courses)

In order to declare the major, a student must have completed Introduction to Sociology (SOC 1000), with a “C+” or higher or have a minimum GPA of 3.0. The major consists of 33 credits. A student must allow three full semesters after the declaration of the major to complete all requirements. One of the sociology electives for the major can be satisfied by an internship for credit with approval from the department chair, provided that the student has at least 15 credits toward the major. Required courses include: SOC 1000, one theory course from SOC 5000/SOC 5050/SOC 5100, SOC 5300, SOC 5400, SOC 6500, and 5 additional sociology electives and 1 criminology elective.

Required Courses:
- SOC 1000 (Introduction to Sociology)
- One theory course from SOC 5000, SOC 5050, or SOC 5100 (Prerequisite: SOC 1000)
- SOC 5300 (Data Analysis for Social Scientists)
- SOC 5400 (Applied Research Methods in Sociology)
• SOC 6500 (Senior Seminar; Prerequisite: one theory, and SOC 5300 and SOC 5400)
• 5 SOC electives and 1 CRM elective

MINOR (15 credits/5 courses)
A minor is open to all students and requires 5 courses and 15 credits. SOC 1000 is a required course. Courses taken on a satisfactory/unsatisfactory basis cannot be used to satisfy requirements for the minor. Only one course may be transferred from another university. Minors cannot receive Sociology credit for an internship.

Required Course:
• SOC 1000
• 4 electives (other than SOC 1500)
MAJOR (10 courses above the intermediate level)
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); SPA2020 (Literature and Cultural Experience of Spain) OR SPA2021 (Literature and Cultural Experience of Latin America); and SPA3970 (Research Seminar). A total of 3 courses at the 3000 level (including SPA3970) must be taken at Villanova, or at a departmental study abroad program in Spain or Chile. One RLL course taught in English with SPA designation, may be counted for the major but not the minor.

MINOR (4 courses above the intermediate level)
ToMinor in Spanish, students are required to take four courses above the intermediate level, including SPA1131 and 1132. One course at the 3000 level must be taken at Villanova, or at a departmental study abroad program in Spain and Chile.

*Once a sequence of courses has begun, a student may not revert to a lower-level course.

Majors and minors are strongly encouraged to participate in the Villanova summer or semester program abroad in Cádiz (Spain). More information: Dr. Tomas Hidalgo Nava, or Valparaiso, Chile (Summer program only). Info: Dr. Mercedes Julia.
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 one (1) class within their major towards the minor. Students must be aware of course prerequisites when forming a plan of study.
Teacher Certification

Chair: Christopher Schmidt, Ph.D., Department of Education and Counseling
Office Location: 302 Saint Augustine Center
Telephone: 610-519-4620
[Website]

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 courses in ELL, special education, and student teaching.

Student Teaching is normally taken in the second semester of the senior year. Exploratory-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 the PAPA tests (or satisfaction of the *SAT/ACT exemption) 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, the special education workshops, and ELL courses, and the PAPA, and Praxis II exams, the student will be eligible for certification.

*SAT/ACT exemption: Students who receive a score of at least a 1550 on the SAT, with a minimum score of 500 in each of the three testing sections OR a student who receives at least a score of 23 on the ACT test, will be exempt from taking the PAPA basic skills tests.
MINOR (15 credits/5 courses and practicum)

A minor is open to all students and requires 5 Theatre courses for 15 credits (three required/two elective) and a theatre practicum. Required courses are: THE 2029 and THE 2030. In addition, three courses from THE 2019, 2030, 2032, 2033, 2034, 2051, 3006, 3007, and 4011.

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. Interested students should request further information through the Theatre Department Office in the St. Augustine Center for the Liberal Arts, Room 205.
Theological and religious studies as conceived, studied, and advanced at Villanova are interdisciplinary and integrative. Students pursue their objectives from diverse theological and religious perspectives, place them in dialogue with each other, and integrate religious and theological knowledge with experience and other forms of knowing.

Our programs explore the intersections of Catholic theology, religion, and culture(s) and prepare students for graduate studies and for careers in humanitarian, philanthropic or other non-profit, charitable organizations; and in religious organizations as campus, youth or parish minister, educator, catechist, retreat worker, administrator, counselor, spiritual director or in one of the many other positions such organizations offer.

**PRIMARY MAJOR (30 credits/10 courses)**

The Primary Major is a 30 credit hours stand-alone program. Students may take in conjunction with another major (i.e., the traditional "double" major). The program emphasizes a broad understanding of Christian and non-Christian theological and religious traditions.

**Required Courses:**

THL 1000  
THL 6300  
THL 6500  
7 Elective Courses

**SECONDARY MAJOR (24 credits/8 courses)**

The Secondary Major is a 24 credit hours program. You must take it in conjunction with another major and complete it concurrently with it. The program highlights the interdisciplinary and multidisciplinary nature of theological inquiry and of the study of religion.

**Required Courses:**

THL 1000  
THL 6300
THL 6500
5 Elective Courses

MINOR (15 credits/5 courses)
The minor is open to all students. Students can take the Minor in conjunction with any other program in any College. Once the required course work is completed, Villanova recognizes the minor at the time of graduation on the official transcript.
As an interdisciplinary program with courses from the Departments of English and Communication, the Program in Writing and Rhetoric offers students opportunities to gain significant experience in a range of writing environments as well as knowledge of the rhetorical framework constituting professional, aesthetic and everyday writing. The program will allow students who want to pursue study in writing and communication to do so in a focused and comprehensive way with examination of the theoretical, historical, and philosophical aspects of these disciplines.

In keeping with the English Department's focus on literary texts, the notion of rhetoric informing the Concentration includes textual analysis as well as the more traditional uses of the term, thus bringing the wisdom and imagination of literary discourse into the Concentration. Such a focus on literary texts also underscores the well-known correlation between reading well and writing well. In keeping with the Communication Department's focus on orality and persuasion, the Concentration will allow students to develop rhetorically complex understandings of audiences and mastery of the skills necessary to adapt written and oral messages for identified audiences.

**CONCENTRATION:** Students must complete 24 credit hours comprising 8 courses

Three courses in writing practice; one practicum course or writing-intensive internship; two courses in theory of composition, history of the language, rhetorical theory or critical theory; two English Department courses in English language or advanced textual analysis (All writing enriched or writing intensive literature courses above 2100 will satisfy this requirement.); pass a self-administered Blackboard exam on Standard Edited English and other grammatical matters; optional--Compile a clipbook; optional--Create an e-portfolio.

**MINOR:** Students must complete 18 credit hours, comprising 6 advanced courses numbered 2000 and above. Three courses in writing practice; two courses in theory of composition, history of the language, rhetorical theory or critical theory; two English Department courses in English language or advanced textual analysis (All writing enriched or writing intensive literature courses above 2100 will satisfy this requirement.); pass a self-administered Blackboard exam on Standard Edited English and other grammatical matters.
PART VII: THE GRADING SYSTEM GRADE

DEFINITIONS AND VALUES

A (4.00), A- (3.67)
The highest academic grade possible; an honor grade which is not automatically given to a student who ranks highest in the course, but is reserved for accomplishment that is truly distinctive and demonstrably outstanding. It represents a superior mastery of course material and is a grade that demands a very high degree of understanding as well as originality or creativity as appropriate to the nature of the course. The grade indicated that the student works independently with unusual effectiveness and often takes the initiative in seeking new knowledge outside the formal confines of the course.

B+ (3.33), B (3.00), B- (2.67)
A grade that denotes achievement considerably above acceptable standards. Good mastery of course materials evident and student performance demonstrates a high degree of originality, creativity, or both. The grade indicates that the student works well independently and often demonstrates initiative. Analysis, synthesis, and critical expression, oral or written, are considerably above average.

C+ (2.33), C (2.00), C- (1.67)
Indicates a satisfactory degree of attainment and is the acceptable standard for graduation from college. It is the grade that may be expected of a student of average ability who gives to the work a reasonable amount of time and effort. This grade implies familiarity with the content of the course and acceptable mastery of course material; it implies that the student displays some evidence of originality and/or creativity, and works independently at an acceptable level and completes all requirements.

D+, (1.33), D (1.00), D- (0.67)
Denotes a limited understanding of the subject matter, meeting only the minimum requirement for passing the course. It signifies work which in quality and/or quantity falls below the average acceptable standard for passing the course. Performance is deficient in analysis, synthesis, and critical expression; there is little evidence of originality, creativity, or both. Note: D- is the lowest passing grade awarded.
**F (0.00)**
Indicates inadequate or unsatisfactory attainment, serious deficiency in understanding of course material, and/or failure to complete requirements of the course.

**N** Incomplete: Course work not completed.

**S** Satisfactory: Assigned in Satisfactory/Unsatisfactory courses.

**SP** Satisfactory Progress (for use at Mid-Term Only)

**U** Unsatisfactory: Assigned in Satisfactory/Unsatisfactory courses.

**WX** Approved withdrawal without penalty.

**W** Approved withdrawal with penalty.

**AU** Audit.

**Y** Unofficial withdrawal from course (or for freshmen, failure for excessive absences)

**NG (Or Blank):** no grade reported.

**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 (expect 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
GPA= Total Quality Points /Total Attempted Credits

<table>
<thead>
<tr>
<th>Course #</th>
<th>Grade</th>
<th>Credits</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course #1</td>
<td>B</td>
<td>3</td>
<td>9.00</td>
</tr>
<tr>
<td>Course #2</td>
<td>C</td>
<td>3</td>
<td>6.00</td>
</tr>
<tr>
<td>Course #3</td>
<td>C</td>
<td>3</td>
<td>6.00</td>
</tr>
<tr>
<td>Course #4</td>
<td>C</td>
<td>3</td>
<td>6.00</td>
</tr>
<tr>
<td>Course #5</td>
<td>F</td>
<td>3</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Total Attempted Credits: 15 Total Earned Credits: 12 Total Quality Points: 27

GPA = 27/15 = 1.80

S/U Grades: Satisfactory/Unsatisfactory Option
Grades of Satisfactory (equivalent to a “C” or better) and Unsatisfactory (equivalent to a “C-” or worse) are shown on the transcript but not included in the quality point average. Sophomores, juniors, and seniors may take one elective course a semester on a satisfactory/unsatisfactory basis. 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 S/U basis. Credits for courses with Satisfactory (S) grades are included in credits earned. Students must opt for S/U 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. Unsatisfactory (U) grades need not be repeated. Any withdrawal from a S/U course must be submitted to the Office for Undergraduate Students by the authorized Withdrawal (WX) deadline for that semester. A course taken as S/U is counted as a course for course overload purposes.

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. Any withdrawal from an AU course must be submitted to OUS by the authorized WX
deadline for that semester. 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.

**Request for Grade Extension, N and NG**

Students may request a grade extension when faced with extenuating circumstances (illness, family emergencies, etc) by submitting this form. Once approved, OUS will notify the Registrar and the student’s grade will remain an N until the approved deadline. Once the deadline has passed, if the student has not submitted their remaining work, the grade will convert to an NF grade which is calculated as an F grade in the GPA. A Request for Grade Extension form can be obtained from the Office for Undergraduate Students or the [OUS website](http).

The form must be signed by the student, instructor, and department chair and submitted to the OUS for final approval. Students requesting a Grade Extension should have the bulk of the work for the course (at least 85%) complete.

Graduating students must submit all work to the professor(s) by August 31 for a September diploma, December 31 for a December diploma and May 31 for a May diploma.

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 (Susan Jacobs in OUS, SAC 107).

NG indicates that no grade was reported for the course.

To replace an N or NG grade with a permanent grade, students must submit all work to the instructor by the last Friday in January (for Fall Semester courses) or June (for Spring Semester courses), and grade changes must be submitted by the instructor to the Registrar’s Office by the second Friday in February (Fall Semester) or July (Spring Semester). If missing work is not submitted by the deadline immediately following the semester in
which the course was taken, the N or NG automatically becomes an NF and is computed into the student’s GPA as an F. Grades will not be changed or reviewed beyond this point.

**WX Grade**
The grade WX indicates an authorized withdrawal; the grade is not considered in the calculation of the GPA and tuition will not be refunded. 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 (Susan Jacobs in OUS, SAC 107).

**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 Office for Undergraduate Students.

**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 Bankruptcy

Repeat freshman year or the first semester: The Academic Standing Committee may allow a freshman student to declare academic bankruptcy and repeat the semester or academic year with a new start on the cumulative average (though a record of the year’s work will remain on the transcript).

Other Circumstances Internal transfer students and students who have switched degree programs within the CLAS may be permitted to bankrupt individual courses that do not ordinarily apply to their new curriculum. Before a student may request bankruptcy for specific courses, he or she must have successfully completed two consecutive semesters in the CLAS and attained a minimum GPA of 2.50 in each semester. Bankrupted courses will remain on the student’s transcript but will be excluded from the calculation of the GPA and earned credit hours. Students must petition the Assistant Dean for Undergraduate Students for the exclusion (Susan Jacobs in OUS, SAC 107).

All requests for Academic Bankruptcy are granted at the discretion of the Assistant Dean for Undergraduate Students (Susan Jacobs in OUS, SAC 107). Once a course has been bankrupted the action is permanent and cannot be reversed. In no case will tuition be refunded.

• Academic Dismissal: A student who has not met the academic standards of the College (as determined by the Academic Standing Committee and described below) will be dismissed from the College of Liberal Arts and Sciences after two consecutive semesters below a 2.0 cumulative grade point average and/or failure to make academic progress (successful completion of at least 12 credits a semester). Additionally, students on probation who have any of the following grades “N”, “Y”, “F”, “NF”, “U”, 
or “W” are subject to dismissal from the College. The Assistant Dean for Undergraduate Students (Susan Jacobs in OUS, SAC 107) will inform the 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.

**• 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 this webpage.

**• Academic Probation:** A student on academic probation will normally be allowed only one semester to raise his or her grade point average to the required minimum. Once a student has been notified of their probationary status, the student is required to contact their faculty advisor immediately to discuss their probationary status and develop an academic plan for success. While on academic probation, a student may be limited to 13 credits (4 courses), is required to pass all courses of three or more credits, and earn a C (2.00) or higher in those courses. Additionally, students on probation must complete all coursework on time and are not eligible for “N” (incomplete) grades and any “Y”, “F”, “NF”, “U”, or “W” grades may subject them to dismissal from the College.

**• 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 (Susan Jacobs in OUS, SAC 107). 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.

• **Academic Standing:** 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 programs whose area grade point average falls below 2.00 will also come before the committee. Typically, the student will either be placed on academic probation or dismissed from the College.

• **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 on the Provost’s website.

• **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 to view on this page.

• **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 located here.

- **Cross College Majors:** Students in the Colleges of Engineering and Nursing and the Villanova School of Business may pursue a second major in the College of Liberal Arts and Sciences. The CLAS major will be considered a second major added to the student’s primary degree program; the student will not be required to complete CLAS Core or Free Elective requirements and will not be awarded a second degree. The second major will be noted on the student’s official transcript. Students who wish to pursue this option must complete the appropriate form (available in the Office for Undergraduate Students, SAC 107) and obtain all required signatures.

- **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 on the Provost’s webpage.

- **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. 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 (Susan Jacobs in OUS, SAC 107). The full text of this policy is available on this webpage.
• **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 on this website.

• **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 Dr. Crystal Lucky, Associate Dean for Baccalaureate Studies, SAC 105.
• **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 (Susan Jacobs, SAC 107). The full text of this policy is available [on this webpage](#).

• **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 (Susan Jacobs, SAC 107).

• **Official Date of Graduation:** The Academic Calendar for each year shall indicate the official graduation dates for the University. (These dates should not be confused with the dates for the annual commencement exercises). The Deans shall send the Registrar a list of all students in their College or School who have satisfactorily completed by the official graduation date all the requirements for graduation. The Registrar shall issue diplomas only to those students whose names appear on the list. The current graduation dates are May 31, September 1, and December 31. Students certified after any of these dates will graduate officially at the next commencement.

• **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. In no case will permission be granted for a student to take 7 courses or more than 21 credits.

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 here by the Bursar’s office. 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 may be viewed on the page.

- **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 to view here.

The Office for Undergraduate Students must receive official transcripts for approved courses taken elsewhere before the completion of two subsequent semesters at Villanova.

- **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). 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 on the Provost website.

- **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, students should contact the Office for Undergraduate Students to review the process and make an appointment with the Assistant Dean for Undergraduate Students (Susan Jacobs, SAC 107). 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 on the Provost website.

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

**Center for Access Success and Achievement (CASA)**
Falvey Hall 211
Linda Coleman, Director
610-519-7758
CASA.RSVP@Villanova.edu

The Center for Access, Success and Achievement (CASA) assists the University in providing all students an inclusive educational experience founded on Augustinian principles. CASA supports 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, CASA undertakes the challenge of creating at Villanova University an academically distinctive, culturally diverse learning community where all members live empathically and lead effectively.

**Campus Ministry**
St. Rita Hall
Linda Jaczynski: Director, Center for Worship and Spirituality
Kate Giancatarino: Director, Center for Service and Social Justice
James Edwards: Director, Center for Pastoral Ministry and Education
campusministry.villanova.edu
610-519-4080

In Campus Ministry, we welcome and encourage all students to engage in the search for meaning and purpose—through prayer and liturgy as well as education, community, and service. We are here for people of all faiths, and for those who do not identify with any faith tradition. We seek to provide spaces for students, individually and in community, to explore the intersection of personal beliefs, spirituality, justice, and the world around them.
Campus Ministry is inspired by the Augustinian values of truth, unity and love, and models its programs after St. Thomas of Villanova who dedicated his life to serving those who are impoverished. We seek to cultivate leaders who share a keen awareness of the issues that affect the marginalized in our society, so that they leave Villanova with a desire to pursue justice and embody compassion in working for the common good.

**Career Center**
**Kevin Grubb,** Executive Director
119 Garey Hall
610-519-4060
careerservices@villanova.edu
careers.villanova.edu

Employers and graduate school admission committees value backgrounds in the liberal arts and sciences disciplines, and the Career Center is here to help students identify and promote the skills and talents developed throughout this course of study. Career Center staff also know that the career interests of College of Liberal Arts & Sciences students are unique and meaningful, which provides opportunities for great career conversations. In partnership with OUS, they work with students to determine career interests and to maximize internship and employment opportunities, including providing services like career interest inventories, a campus interview program, online internship & job listings, and numerous career fairs and programs planned to explore a variety of post-graduation options. Handshake is the Career Center’s system to manage career counseling appointments, all career events on campus and job & internship postings.

**The Patricia B. and Gary M. Holloway University Counseling Center**
**Dr. Joan G. Whitney,** Executive Director
**Dr. Norman Pitt,** Associate Director
206 Health Services Building
Monday Through Friday, 9 a.m. to 5 p.m. 610-519-4050
[Website]

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 [here on our website].

**Dean of Students**
**Tom DeMarco, Dean**
213 Dougherty Hall
610-519-4200
[Website]

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 Office of International Student Services and the Office of Disability Services.

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**
**Stephen McWilliams, Ph.D., Director**
**Gregory Hannah, M.A., Assistant Director**
Connelly Center, 2nd Floor
[ods@villanova.edu]
The 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. The office also is responsible for the implementation of academic accommodations for students who provide documentation for a disability, as well as insuring physical access throughout the campus.

Office of Diversity and Inclusion
Teresa A. Nance, Ph.D., Associate Vice Provost for Diversity and Inclusion
Charles Widger School of Law, Room 360
610-519-6367
diversity@villanova.edu

Diversity and inclusion have been and will continue to be an integral component of Villanova University’s mission. Villanova’s Institutional diversity efforts strive to foster and celebrate diversity while promoting inclusiveness within the campus culture.

By exposing the campus community to a wider range of cultural backgrounds and perspectives, Villanova can work toward creating a campus that reflects and embraces the diversity of our society and the world beyond Villanova’s campus.

Falvey Memorial Library
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 Website serves as a gateway to a full range of learning and research support resources and is accessible at here.

Office of Health Promotion
Health Services Building, Room 113
Stacy Andes, Ed.D., Director
610-519-7407
[Website]

The mission of Health Promotion is to provide evidence-based health resources, facilitate opportunities for students to build skills that empower them to make healthy lifestyle choices, and to instill a sense of personal responsibility for individual health and its impact on the health of the community.

International Student Services Office
Stephen McWilliams, Ph.D., Director
Hubert Whantong, J.D., Assistant Director
Connelly Center, 2nd floor
610-519-4095
[Website]

The International Student Office at Villanova University offers a myriad of services to international students. Our staff provides assistance with:

- Immigration rights and responsibilities
- Educational, social and personal counseling
- Cultural adjustment issues
- Campus and community activities

The International Students Services Organization also sponsors an annual International Students Association, language orientation program, a host family program, the International Students Club, and International Students Alumni Association and an international newsletter and magazine.
The Office of Education Abroad (OEA) offers a range of advising and support services to students interested in study abroad, including program selection, academic guidance, financial planning, cultural adjustment, and returned-student programming. Each year, over 800 Villanovans choose to include a study abroad experience in their Villanova education, through a variety of program options offered over the summer and during the academic year. The OEA is committed to providing quality academic and immersive international experiences that encourage personal growth, academic discovery, cross-cultural understanding and career exploration. Interested students should visit the OEA website to sign up for a first-step information session.

Learning Support Services
Nancy M. Mott, Director
Falvey Learning Commons, Suite 212
610-519-5176
learning.support.services@villanova.edu
[Website]

Learning Support Services (LSS) offers students a variety of academic support services that are designed to help Villanova students maximize their academic success. 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 of LSS. Participation is open to registered Villanova students.

This academic support is provided through one on one appointments, online workshops, and short study strategy videos. Scheduled weekly academic coaching sessions are available for time management and organization.
In conjunction with faculty, LSS is committed to providing “reasonable academic accommodations” for students with learning disabilities, other neurologically based disorders, and those disabled by chronic illnesses. Once admitted, students may request support services in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA). Our goal is to ensure that students with disabilities have an opportunity to grow independently to their full potential at Villanova.

It is the responsibility of the student to identify themselves to Learning Support Services and submit for review current documentation of their disability. Given the specific nature of the disability, “reasonable academic accommodations” will be determined on an individual basis. Depending on the nature of the disability and the accommodations requested, the amount of notice provided may impact the University’s ability to provide accommodations.

Math Learning and Resource Center
Melissa Ferreira, Director
Falvey Library, 204
610-519-MLRC
melissa.ferreira@villanova.edu
[Website]

The Mathematics Learning and Resource Center (MLRC) is a center for student learning excellence. At the MLRC, students can receive free tutoring in mathematics, work on group projects, or study independently. During its hours of operation (Monday through Thursday: 11 a.m. 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 are able to help students with all first-year and second-year math courses. The tutors will attempt to help with any upper level math course as well. The MLRC has computers for students’ use 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. Online tutoring is now offered as well.

Public Safety
David Tedjeske, Director
Farrell Hall
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
203 Tolentine Hall
610-519-4032
[Website]

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
Maria Schauder, Director for Housing and Operations
Dillon Epperstein, Director for Residential Programs
Stanford Hall, Ground Floor
610-519-4154
residencelife@villanova.edu
[Website]

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 St. Rita’s 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
Jeffrey Brown, 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 visit our website located here 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 needs.

- **Walk-up @ TECHZone**
- **Falvey Library Main Floor**
- **Self-Service**: sdess.villanova.edu
- **Phone**: 610-519-7777
- **Email**: support@villanova.edu
- **Website**
- **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)
[Website]

UNIT provides computing information and network services, and technology solutions and 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.

**Ann Welsh McNulty Institute for Women’s Leadership**

Terri Boyer, EdD, Director
[Website]

Villanova University offers an inclusive environment for leadership development, including a deep commitment to recognizing and promoting
the pivotal roles and perspectives women leaders contribute to all industries and fields.

The Anne Welsh McNulty Institute for Women’s Leadership fosters women’s advancement through education, advocacy, community-building and the collaborative creation of new knowledge.

In addition to supporting new research and leadership development opportunities, the Institute for Women's Leadership will act as a centralized resource where students, alumni, faculty and staff can find academic, extracurricular and professional programs that will stimulate conversations about women in leadership and develop the skills and experiences that can help women excel in their chosen fields and act as agents of change.

Writing Center
Mary Beth Simmons, Director
Falvey Library Learning Commons, Suite 210
610-519-4604
Writing.center@Villanova.edu
[Website]

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. Appointments are scheduled for 50 minutes. For lengthy papers (over 10 pages), we suggest you schedule a block of two sessions. Appointments are filled on a first-come, first-served basis and multiple visits are encouraged when there is availability. Students should especially consider the use of the Center while completing the Core requirements.
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.*