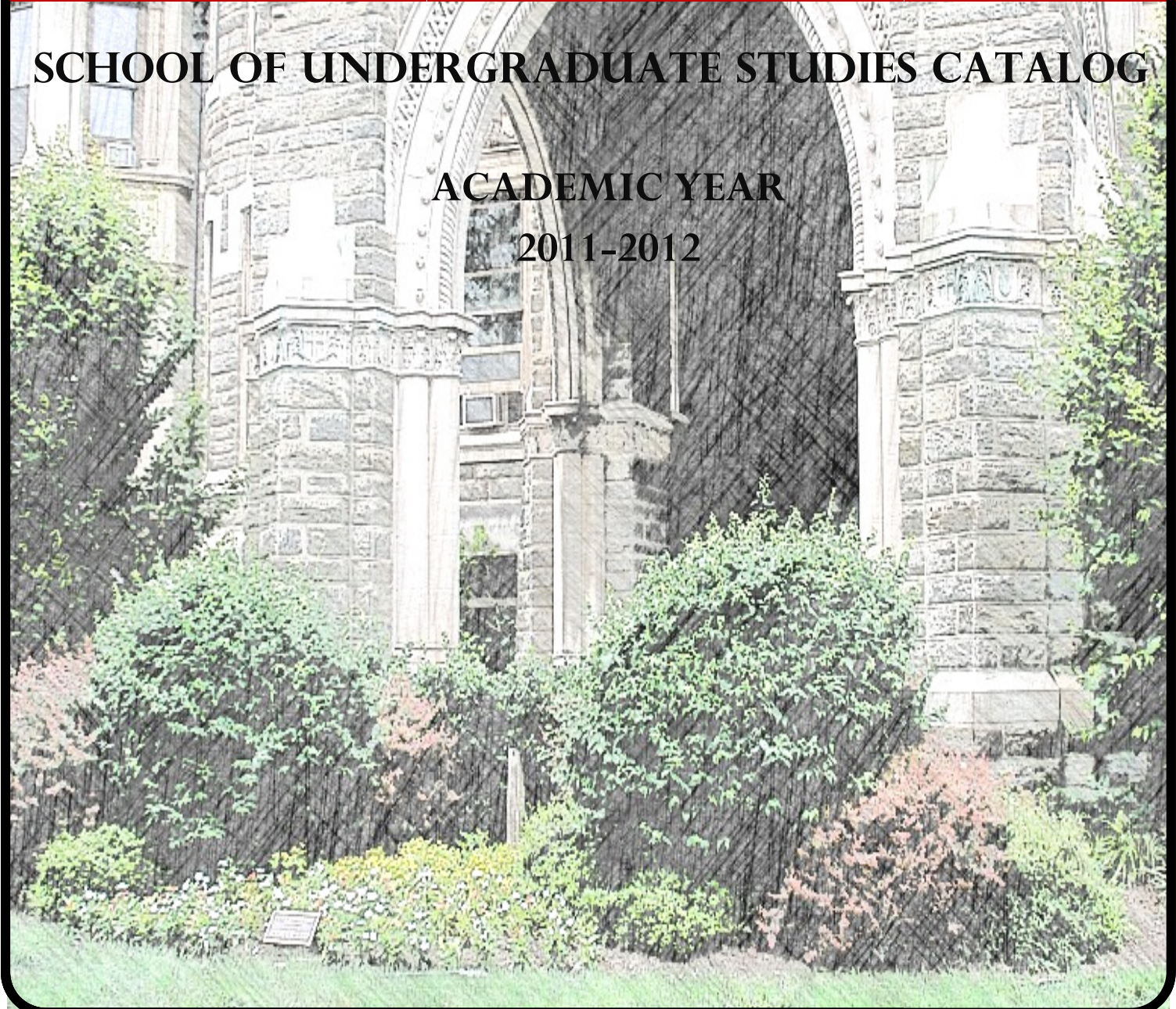




CHESTNUT HILL COLLEGE



SCHOOL OF UNDERGRADUATE STUDIES CATALOG

**ACADEMIC YEAR
2011-2012**

Chestnut Hill College

School of Undergraduate Studies Catalog

Chestnut Hill College endeavors to present an accurate overview of its curricular and co-curricular programs, facilities and fees in this publication. The information contained herein is current as of July 1, 2011. As growth and changes are inevitable, Chestnut Hill College reserves the right to alter any program, requirements for a program or degree, facility or fee described in this publication without notice or obligation.

Failure to read this catalog and other sources of regulation governing academics and student life at Chestnut Hill College does not excuse the student from the requirements and regulations discussed herein.

Table of Contents

MISSION 2

CORE VALUES 2

STUDENT LEARNING OUTCOMES..... 3

ACADEMIC CALENDAR 5

ACCREDITATION AND MEMBERSHIPS 6

CONTACT INFORMATION 7

ADMISSIONS..... 8

 NON-DISCRIMINATION STATEMENT..... 8

 COMMUNITY STANDARDS REVIEW COMMITTEE 8

 ADMISSION OPTIONS..... 8

 FIRST-TIME COLLEGE FRESHMAN APPLICATION PROCESS 8

 TRANSFER STUDENTS APPLICATION PROCESS 9

 TRANSFER CREDIT INFORMATION..... 9

 TRANSFER ARTICULATION AGREEMENTS..... 9

 INTERNATIONAL STUDENT APPLICATION PROCESS..... 9

 READMISSION APPLICATION PROCESS..... 10

 ACADEMIC AMNESTY POLICY 10

 PROFICIENCY/PLACEMENT TESTING 10

FINANCIAL INFORMATION 11

 EXPENSES..... 11

 ENROLLMENT DEPOSIT..... 11

 TUITION..... 11

 FEES 11

 RESIDENTIAL LIVING 11

 HEALTH INSURANCE 12

 MISCELLANEOUS CHARGES 12

 REFUND POLICY..... 12

 STUDENT ACCOUNTS OFFICE..... 13

 PAYMENT SCHEDULE AND MAILING ADDRESS 13

 PAYMENT PLANS 13

 BUSINESS OFFICE HOLD 13

 FINANCIAL AID 14

 APPLYING FOR AID/FEDERAL SCHOOL CODE 15

 TYPES OF AVAILABLE AID 15

 SOURCES 15

 VETERAN’S BENEFITS/SCHOOL CERTIFYING OFFICIAL (SCO)..... 16

 SATISFACTORY ACADEMIC PROGRESS FOR FINANCIAL AID 16

 STANDARDS OF ACADEMIC PROGRESS 16

 STANDARDS OF ACADEMIC PROGRESS FOR THE PHEAA STATE GRANT 16

 MAXIMUM TIME FRAME 16

 MEASUREMENT OF PROGRESS 16

 APPEALS..... 16

 TITLE IV FINANCIAL AID REFUND POLICY 16

SAFETY AND CAMPUS SECURITY 18

CAMPUS MINISTRY..... 18

STUDENT LIFE AND RESOURCES 19

 ATHLETIC PROGRAMS..... 19

 STUDENT GOVERNMENT ASSOCIATION 19

 OFFICIAL CHC EMAIL 20

 SNOW/EMERGENCY CLOSING 20

CAMPUS BOOKSTORE	20
ACADEMIC COMPUTER CENTER	20
COMMON AREAS	20
COUNSELING CENTER	21
DISABILITIES RESOURCES	21
ACADEMIC SERVICE CENTERS	21
FOREIGN LANGUAGE RESOURCE CENTER	22
MATH RESOURCE CENTER	22
WRITING RESOURCE CENTER	22
STUDENT LEARNING SERVICES CENTER	22
DINING SERVICES	22
HEALTH SERVICES	22
SWIMMING POOL	23
INTERNATIONAL STUDENT OFFICE	23
CAREER DEVELOPMENT OFFICE	23
STUDENT ACTIVITIES OFFICE.....	24
LIBRARY AND SERVICES	24
HOURS	25
LOST AND FOUND	25
PARENT AND FAMILY RELATIONS OFFICE.....	25
REGISTRAR	25
TRANSCRIPTS AND DIPLOMAS	26
ENROLLMENT/GPA VERIFICATION	26
MAILING ADDRESS	26
ACADEMIC PROGRAMS, POLICIES, AND PROCEDURES	27
CORE CURRICULUM	27
FUNDAMENTAL REQUIREMENTS.....	27
WAYS OF KNOWING PERSPECTIVES (WOKs)	28
PROFICIENCIES	29
MATHEMATICS PROFICIENCY:	29
NON-ACADEMIC REQUIREMENTS	30
CORE-TO-CORE TRANSFER STUDENT REQUIREMENTS	30
WAYS OF KNOWING PERSPECTIVES (WOKs)	30
PROFICIENCIES	31
MATHEMATICS PROFICIENCY:	31
NON-ACADEMIC REQUIREMENTS	31
COURSES TO PROMOTE ACADEMIC SUCCESS.....	31
DEGREES	31
MAJOR STUDIES	31
INDIVIDUALIZED MAJOR.....	32
DOUBLE MAJOR.....	32
MINOR STUDIES AND CERTIFICATE PROGRAMS	32
DEPARTMENTAL AND INTER-DEPARTMENTAL MINORS.....	32
CERTIFICATES.....	33
INTERDISCIPLINARY HONORS PROGRAM	33
SPECIAL DEGREE PROGRAMS.....	33
COMBINED PROGRAMS	33
DUAL-DEGREE PROGRAMS	34
GRADES AND THE GRADING SYSTEM	34
PASS/FAIL GRADING OPTION	35
AUDITING	35
INCOMPLETE GRADES	35
REPEATED COURSES	36
TO EARN A BETTER GRADE.....	36
ACCUMULATED CREDIT.....	36
COURSES REQUIRED FOR A MAJOR OR MINOR	36

WITHDRAWAL GUIDELINES	36
FROM A COURSE	36
FROM THE COLLEGE COMPLETELY	36
LEAVE OF ABSENCE	36
GRADE REPORTS	37
GRADE APPEALS	37
GRADE CHANGES AFTER SUBMISSION	37
MID-TERM GRADES	37
ACADEMIC ACTIONS	38
ACADEMIC WARNING	38
ACADEMIC PROBATION	38
ACADEMIC DISMISSAL.....	38
GOOD ACADEMIC STANDING	38
CREDIT LOAD/OVERLOAD	38
CLASS LEVEL	39
ADVANCED PLACEMENT CREDITS	39
GRADUATE-LEVEL COURSES	40
COURSE AGREEMENTS WITH OTHER INSTITUTIONS	40
PERMISSION TO TAKE COURSES AT ANOTHER INSTITUTION	41
ALTERNATIVE ASSESSMENTS	41
CHALLENGE EXAMINATIONS	42
PORTFOLIO ASSESSMENT	42
COLLEGE LEVEL EXAMINATION PLACEMENT (CLEP)	42
CONFERRAL, GRADUATION AND DIPLOMAS	42
HONORS: DISTINCTIONS AND SOCIETIES	42
DEAN'S LIST	42
DEPARTMENTAL HONORS	42
LATIN HONORS	43
HONOR SOCIETIES	43
ADDITIONAL AWARDS AND HONORS.....	44
SPECIAL PROGRAMS AND SERVICES	45
ACADEMIC ADVISING	45
STUDY ABROAD	45
COOPERATIVE EDUCATION	45
INTERNSHIPS	45
KIRBY PROGRAM	46
ADDITIONAL POLICIES	46
ACADEMIC INTEGRITY POLICY.....	46
CLASS ATTENDANCE POLICY	48
ATHLETIC PARTICIPATION POLICY	49
FINAL EXAM POLICY	49
SEXUAL HARASSMENT POLICY	49
CANCELLATION OF SCHEDULED CLASSES POLICY	50
PARTICIPATION IN ASSESSMENT RESEARCH POLICY	51
SYLLABI POLICY	51
DEGREES AND PROGRAMS	52
ART HISTORY, ART STUDIO, MUSIC, AND MUSIC EDUCATION	52
ART HISTORY AND ART STUDIO	52
MUSIC PERFORMANCE AND MUSIC EDUCATION.....	53
MUSIC PERFORMANCE.....	55
MUSIC EDUCATION	57
BUSINESS	59
ACCOUNTING	59
MANAGEMENT	61
MARKETING	62
INTERNATIONAL BUSINESS, LANGUAGE AND CULTURE	63

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY	67
COMPUTER AND INFORMATION SCIENCES	69
COMPUTER AND INFORMATION TECHNOLOGY.....	70
COMBINED BS/MS IN INSTRUCTIONAL TECHNOLOGY	75
EDUCATION	76
EARLY EDUCATION (PREK – 4)	79
MIDDLE-LEVEL EDUCATION (GRADES 4-8).....	80
SECONDARY EDUCATION CERTIFICATION PROGRAM.....	87
ENGLISH AND COMMUNICATIONS.....	89
ENGLISH LITERATURE	92
ENGLISH LITERATURE AND COMMUNICATIONS.....	94
COMMUNICATIONS	95
COMMUNICATIONS AND TECHNOLOGY	98
FOREIGN LANGUAGE AND LITERATURE	100
FRENCH	102
SPANISH	103
HISTORY AND POLITICAL SCIENCE.....	106
HISTORY	107
POLITICAL SCIENCE	112
NATURAL SCIENCES.....	115
BIOLOGY, FORENSIC BIOLOGY, MOLECULAR BIOLOGY, AND	115
ENVIRONMENTAL SCIENCES.....	115
FORENSIC BIOLOGY.....	120
MOLECULAR BIOLOGY	121
ENVIRONMENTAL SCIENCE.....	122
CHEMISTRY, BIOCHEMISTRY, FORENSIC CHEMISTRY AND PHYSICS	125
CHEMISTRY	127
BIOCHEMISTRY	128
FORENSIC CHEMISTRY	129
MATHEMATICAL SCIENCES	131
MATHEMATICS	133
MATHEMATICAL AND COMPUTER SCIENCES	135
PSYCHOLOGY	136
PSYCHOLOGY.....	137
COMBINED BA/MS IN PSYCHOLOGY/MS IN COUNSELING PSYCHOLOGY	138
RELIGIOUS STUDIES AND PHILOSOPHY	140
RELIGIOUS STUDIES	140
PEACE AND JUSTICE.....	141
PHILOSOPHY	142
SOCIOLOGY, CRIMINAL JUSTICE, AND HUMAN SERVICES.....	144
SOCIOLOGY.....	145
CRIMINAL JUSTICE	146
HUMAN SERVICES	148
COMBINED BS IN HUMAN SERVICES/MS IN ADMINISTRATION OF HUMAN SERVICES PROGRAM.....	148
INTERDISCIPLINARY HONORS PROGRAM.....	152
PHYSICAL EDUCATION.....	153
PERSONAL TRAINING	153
CHESTNUT HILL COLLEGE DIRECTORY	154
FREQUENTLY ASKED QUESTIONS.....	157
UNDERGRADUATE MAJORS, MINORS, CONCENTRATIONS AND CERTIFICATES.....	162
COURSE DESCRIPTIONS	167
FINAL EXAM MATRIX	212
INDEX.....	213

Mission

The mission of Chestnut Hill College is to provide students with holistic education in an inclusive Catholic community marked by academic excellence, shared responsibility, personal and professional growth, service to one another and to the global community, and concern for the earth. Chestnut Hill College, founded by the Sisters of Saint Joseph in 1924, is an independent, Catholic institution that fosters equality through education. Faithful to its strong liberal arts tradition, Chestnut Hill College offers academic programs of excellence in the areas of undergraduate, graduate, and continuing studies. True to its Catholic heritage, Chestnut Hill College espouses the beliefs and values inherent in the Judeo-Christian tradition while it respects the contributions made by other faith traditions in the development of the whole person. The College nurtures a sense of integrity, spirituality, and social justice in all. The College community dedicates itself to four purposes in fulfilling this mission.

It seeks:

- ~ To provide avenues for students to achieve academic excellence and to pursue research in their major field or in interdisciplinary studies. The College encourages students to explore and experience diverse curricula and to participate in exchange programs with other institutions of higher education.
- ~ To initiate links between the world of learning and the world of work through curricular planning, technological opportunities, and career preparation. The College guides students in applying theoretical learning through experiential education designed collaboratively by faculty and students.
- ~ To uphold an atmosphere of communal respect in which all may clarify and articulate personal values and beliefs while exploring the ethical and moral dimensions underlying all relationships. The College encourages inter-faith opportunities by acquainting all students with Catholicism, its theology and its Judeo-Christian roots, and by engaging in dialogue with women and men of other beliefs.
- ~ To create local and global connections that enable students to respond to the needs of others through service-oriented enterprises. The College educates students to identify and to address issues of social justice and to work toward systemic change.

Approved by the Chestnut Hill College Board of Directors October 7, 2002.

Core Values

We Value Personal and Professional Growth throughout the Community.

We Strive To Live This Value By:

- ~ maintaining a lively forum for intellectual and artistic pursuits on campus;
- ~ promoting intellectual sharing and development through inter-disciplinary programs and the encouragement of mentoring relationships;
- ~ exploring avenues for growth and learning outside the campus boundaries.

We Value Academic Excellence.

We Strive To Live This Value By:

- ~ offering a rigorous and challenging academic program with a global emphasis;
- ~ expecting students to take active responsibility for their education;
- ~ fostering close student-teacher bonds;
- ~ ongoing assessment of academic programs.

We Value Ethical Principles.

We Strive To Live This Value By:

- ~ including ethics across the curriculum;
- ~ practicing fairness to all;
- ~ living according to ethical standards and codes of behavior;
- ~ addressing appropriately breaches of ethical standards.

We Value Catholic Intellectual Tradition, History, and Legacy.

We Strive to Live This Value By:

- ~ keeping alive the mission and charisma of the Sisters of Saint Joseph*;
- ~ offering sacramental preparation through campus ministry;
- ~ providing opportunities to participate in Catholic liturgy;
- ~ inviting dialogue on issues pertaining to human dignity, social, and economic justice, and stewardship of the environment;
- ~ promoting on-going interpretations of core theological values and contemporary needs.

We Value Spirituality.

We Strive To Live This Value By:

- ~ embracing the ideal of spiritual growth and expression;
- ~ exploring the spiritual domain of human existence and integrating this into the totality of our experience;
- ~ seeking to explore and to understand the world's religious traditions.

We Value Service.

We Strive To Live This Value By:

- ~ fostering an attitude of generosity in service;
- ~ providing opportunities for experiential and holistic community service on campus and in the broader community.

We Value Concern for the Earth.

We Strive To Live This Value By:

- ~ keeping informed and educated about environmental issues;
- ~ being mindful of the impact that we, as individuals and as a community, have on the environment;
- ~ continuing to work to preserve and enhance the natural environment of the campus;
- ~ accepting our responsibility as stewards of the earth and its resources.

We Value Holistic Pursuit of Truth, Integrity, and Justice.

We Strive To Live This Value By:

- ~ reflecting these virtues in our everyday lives;
- ~ applying these virtues as guides to our decision-making individually and as a community.

We Value Inclusive Community.

We Strive To Live This Value By:

- ~ affirming human dignity as an absolute value;
- ~ celebrating one another's potential and achievements, both great and small;
- ~ fostering a friendly and open atmosphere, where all are welcome;
- ~ exhibiting respect for all members of the global community.

**We live and work so that all people may be united with God and with one another.
The mission of unity rests on the charism of reconciliation.*

Student Learning Outcomes

In the spirit of our Mission and Core Values, and with a commitment to life-long learning, the Chestnut Hill College community has adopted these learning outcomes to promote, guide and assess learning in all the College's programs. Believing, as did our founder Sister Maria Kostka Logue, that our students are "here to learn to make a living because [they] must, but [they] are here to learn to live," we set forth these outcomes as standards in all academic and co-curricular areas.

Information Literacy: Students will demonstrate the ability to know when there is a need for information and to access, organize, interpret, evaluate and utilize information from a variety of sources in an ethically appropriate manner.

Communication: Students will demonstrate clear and effective communication in a variety of modes and styles in and out of the classroom, specifically the ability to read, write, speak, listen and employ various media effectively, and use quantitative data to communicate. Students will be encouraged to use critical and creative forms of expression.

Critical and Creative Inquiry: Students will demonstrate an understanding of and an ability to use critical analysis to develop innovative and imaginative methods of inquiry and problem-solving. Students will be encouraged to use critical thinking skills as a guide to multiple modes of inquiry, challenging conventional wisdom and stereotypes.

Leadership and Collaboration: Students will demonstrate the ability to communicate, cooperate and collaborate in a range of situations, such as goal-setting, team building, leadership development, and group facilitation.

Integrative Learning: Students will demonstrate the ability to transform information and experience into knowledge and knowledge into judgment resulting in action. Students will be encouraged to make connections within and among academic disciplines, co-curricular activities and pursuits beyond the campus boundaries.

Civic Engagement: Students will demonstrate knowledge of societal issues in the analysis of contemporary and historical challenges. Students will be provided with opportunities to engage issues of social justice, to serve with and for others, to engage in reflection and to participate in their roles as citizens in local and global contexts.

Ethical Reasoning: Students will be provided with opportunities to develop ethical awareness of societal issues, to exercise moral, intellectual and personal responsibility and to recognize that ethical decision making and reflection on various consequences are the elements of an on-going discernment process. Students will demonstrate ethical reasoning skills based on critical analysis that is grounded in reason and governed by diverse values.

Knowledge of Self and Others: Students will be provided with opportunities to reflect on their strengths, explore their assumptions, develop their athletic/physical potential and foster an understanding of their complex identities (connecting habits of mind, heart and body). They will be encouraged to explore a diversity of individuals, groups, and cultures so that they may grow in empathy and respect for the values of others. Students will demonstrate knowledge of the breadth of human diversity as well as the ability to examine and challenge their own beliefs when confronted with the views of others.

Intentional Learning: Students will be provided with opportunities to cultivate intellectual agility and creativity, purposeful learning, self-assessment, health awareness, self-confidence and the ability to manage change. Students will be encouraged to continue lifelong holistic development personally, professionally, aesthetically and physically through self-reflection, feedback from others and new learning experiences.

Spiritual Growth: Students will be guided to explore their own spiritual tradition, to understand the commitment involved in the practice of a faith, to engage in the common search for wisdom and to appreciate their place and role in a context larger than themselves. They will be encouraged to explore the meaning of a spiritual perspective on life, including an understanding of how this perspective shapes and guides decisions. They will be provided with opportunities to gain knowledge of world religions, to experience inclusive Catholic tradition, and to absorb the legacy of the Sisters of St. Joseph, all within the context of the diversity of human beliefs.

Ratified by the Chestnut Hill College Community in 2010.

Academic Calendar

All calendar information for the School of Undergraduate Studies is subject to change. Announcements of calendar changes will be made via email as well as on the website and on signs posted around campus.

Fall 2011

Late Registration Fee Begins	August 15
Fall Convocation	August 26 at 3:00pm
New Student Move-in and Orientation	August 26
Residences Halls Open for Returning Students	August 28 at 10:00am
First Day of Classes	August 29
Labor Day Holiday – College closed	September 5
Drop/Add Period on the My CHC Portal Ends	September 6 at 11:00pm
Withdrawal Fee Begins	September 6 at 11:01pm
Opening Liturgy	September 21 at 2:00pm
Residence Halls Close	October 7 at 6:00pm
Fall Break	October 10 - 11
Residence Halls Re-Open	October 11 at 12:00noon
Classes Resume	October 12
Midterm Grades Due from Instructors	October 19 by 5:00pm
Withdrawal from Courses w/o Failure Period Ends	October 26 at 5:00pm
Status Change Period Ends (P/F, Audit)	October 26 at 5:00pm
Spring 2012 Registration Begins	November 8 at 7:00am (Seniors)
Residence Halls Close	November 22 at 6:00pm
Thanksgiving Holiday– College closed	November 23 at 12:30pm
Residence Halls Re-Open	November 27 at 12:00noon
Classes Resume	November 28
Last Day of Classes	December 9
Final Exam Week	December 12 - 16
Residence Halls Close	December 16 at 6:00pm
Final Grades Due from Instructors	December 23 at 8:00am
Holiday Break – College closed	December 23 to January 3 at 8:00am (<i>tentative</i>)
December Degree Conferral	December 29

Spring 2012

Late Registration Fee Begins	January 3
Residence Halls Open	January 15 at 12noon
Classes Begin	January 16
Drop/Add Period Ends	January 23 at 11:00pm
Withdrawal Fee Begins	January 23 at 11:01pm
Residence Halls Close	March 2 at 6:00pm
Midterm Grades Due from Instructors	March 4 at 5:00pm
Spring Break	March 5-9
Spring Break Holiday-College closed	March 5
Residence Halls Re-Open	March 11 at 12noon
Classes Resume	March 12
Withdrawal from Courses w/o Failure Period Ends	March 16 at 5:00pm
Status Change Period Ends (P/F, Audit)	March 16 at 5:00pm
Summer 2011 Registration Begins	March 21 at 8am (All classes)
Fall 2011 Registration Begins	March 22 at 8am (Seniors)
Residence Halls Close	April 4 at 6:00pm
Easter Holiday – College closed	April 5-April 9
Residence Halls Re-Open	April 9 at 12 noon
Classes Resume	April 10
Honors Convocation	April 29
Follow Friday Schedule	May 2
Classes End	May 2 at 10:00pm

Final Exam Week	May 3 – 9 (no exams on May 5 and 6)
Residence Halls Close	May 9 at 6:00pm
Senior Send-Off Formal	May 9 at 6:00pm
Senior Send-Off Activities	May 10 - 11
Residence Halls Close for Grads/Volunteers	May 12 at 12:00 noon
May Degree Conferral	May 12
Commencement Ceremonies	May 12 at 2:00pm
Final Grades Due from Instructors*	May 20

(*Final grades for graduating Seniors are due no later than 24-hours after final exam is given.)

Summer 2012

Session One – Six weeks

Late Registration Fee Begins	May 2
Staff Holiday – College closed	May 14
Classes Begin	May 15
Drop/Add Period Ends	May 22 at 11:00pm
Withdrawal Fee Begins	May 22 at 11:01pm
Memorial Day Holiday – College closed	May 28
Withdrawal Period Ends	June 5 at 5:00pm
Classes End	June 26 at 5:00pm
Final Grades Due from Instructors	July 3 at 5:00pm

Session Two – Six weeks

Late Registration Fee Begins	June 21
July 4 th Holiday – College closed	TBA
Classes Begin	July 3
Drop/Add Period Ends	July 10 at 11:00pm
Withdrawal Fee Begins	July 10 at 11:01pm
Withdrawal Period Ends	July 24 at 5:00pm
Classes End	August 14 at 5:00pm
Final Grades Due from Instructors	August 21 at 5:00pm

Semester – Twelve weeks

Late Registration Fee Begins	May 2
Staff Holiday – College closed	May 14
Classes Begin	May 15
Drop/Add Period Ends	May 22 at 11:00pm
Withdrawal Fee Begins	May 22 at 11:01pm
Memorial Day Holiday – College closed	May 28
Withdrawal Period Ends	June 26 at 5:00pm
July 4 th Holiday – College closed	TBA
Classes End	August 14 at 5:00pm
Final Grades Due from Instructors	August 21 at 5:00pm
August Degree Conferral	August 24

Accreditation and Memberships

Chestnut Hill College holds institutional accreditation by the Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104. Institutional accreditation does not imply specialized accreditation of the programs offered.

Chestnut Hill College holds membership in the Association of American Colleges, the America Council on Education, the National Catholic Education Association, the American Association of University Women, the Council of Independent Colleges and Universities, the College Entrance Examination Board, Association of Catholic Colleges and Universities, Association of Colleges of the Sisters of St. Joseph, Association of Catholic Colleges and Universities, Association of Independent Colleges and Universities, Association of Governing Boards of Universities

and Colleges, National Association of Independent Colleges and Universities, and numerous other educational groups and learned societies.

Chestnut Hill College belongs to the Southeastern Pennsylvania Consortium for Higher Education (SEPCHE), a group of eight independent higher education institutions in the Greater Philadelphia region. The members of SEPCHE engage in collaborative approaches to the challenges of higher education and work together to promote quality and efficiency of academic programming, student access, and community outreach through sharing a range of activities, services, technology and information.

The College is authorized by the Commonwealth of Pennsylvania to offer graduate programs and to confer the Doctor of Clinical Psychology, and Master of Arts, Master of Education, and Master of Science degrees in disciplines defined in their catalog. The Doctoral program in Clinical Psychology (Psy.D.) is accredited by the American Psychological Association (APA). For general information about APA accreditation or specific information on the accreditation status of Chestnut Hill College, please contact: Office of Program Consultation and Accreditation, American Psychological Association, 750 First Street, NE, Washington, DC 20002-4242 or 202/336-5979. The Instructional I/II, Specialist, and Principal certification programs offered through the Education Department are approved by the Pennsylvania Department of Education. The Montessori certification program is accredited by the American Montessori Society.

Contact Information

School of Undergraduate Studies

For more information about academics, visitation dates or to schedule a tour of the campus, contact Chestnut Hill College Admissions, 9601 Germantown Avenue, Philadelphia, PA, 19118. Telephone: 800.248.0052 (out-of-state) 215.248.7001 (in Pennsylvania.) Fax: 215.248.7082. Email: chcapply@chc.edu.

School of Continuing and Professional Studies

The School of Continuing and Professional Studies, ACCELERATED Degree Program, designed for working women and men, offers evening and weekend courses in six 8-week sessions per year. For information contact the School of Continuing and Professional Studies, ACCELERATED Program, 9601 Germantown Avenue, Philadelphia, PA 19118. Telephone: 215.248.7063. Fax: 215.248.7065. Email: chcaadm@chc.edu.

School of Graduate Studies

The School of Graduate Studies offers a variety of master's degrees, certifications, and certificate programs in Instructional Technology, Clinical and Counseling Psychology, Education, Holistic Spirituality, and Administration of Human Services. The School of Graduate Studies also offers an APA-accredited doctoral degree in Psychology (Psy.D.). Telephone: 215.248.7170. Fax: 215.248.7161. Email: gradadmissions@chc.edu.

Admissions

Chestnut Hill College welcomes students of all ages whose aptitudes and academic records demonstrate the ability and motivation to accept an academic challenge and who give promise of making a positive contribution to the College community. Students are challenged by high academic standards and supported by rich resources, excellent facilities, and dedicated faculty to achieve personal goals. Graduates are well prepared to successfully enter a competitive job market or distinguished graduate program.

Non-Discrimination Statement

Chestnut Hill College does not discriminate on the basis of race, color, sex, age, religion, national origin, or disability in any admissions, education program, activities or employment practices. This policy is in accordance with state and federal laws, including Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990.

Community Standards Review Committee

The safety of all members of the College community is of utmost importance; therefore, the purpose of this committee is to review admissions applications from students applying to the School of Undergraduate Studies who have confirmed/self-identified disciplinary/criminal backgrounds. This committee reviews any reported behaviors involving, but not limited to: violence with or without a weapon, sexual offenses, drug and/or alcohol incidents, sexual/racial harassment, intimidation, theft, vandalism, suspensions/dismissals, hate crime, and intellectual dishonesty. The committee has the right to request additional information. The failure to provide the information requested will be deemed a withdrawal of the application.

Admission Options

Early Decision is an option available for students with strong qualifications who have selected Chestnut Hill College as their first choice. Candidates for Early Decision may initiate applications to other colleges, but if accepted under Early Decision, a candidate must withdraw all other college applications and may not make any further applications. Offers of admission are made with the understanding that the high school record continues to be of high quality throughout the Senior year. The deadline for applying for early decision is December 15th of any year.

Regular Decision is designed for students who wish to keep open several college options during the application process. Candidates may apply at any time, but it is recommended that applications be submitted as soon as possible after the completion of the Junior year, and not later than January 15th, for priority consideration. Students who wish to enter for the spring semester should have application materials completed no later than December 15th.

Early Admission is an option for a student judged to be ready for college after his/her Junior year of high school. The candidate must be mature, exceptionally academically prepared, recommended by his/her high school counselor and have the approval of his/her principal. Successful candidates are classified as first-year students and use the regular admission procedures. An admission interview is required of all early admission applicants.

First-Time College Freshman Application Process Preparation

Each year, the School of Undergraduate Studies enrolls a first-year class of motivated, diverse students whose records show academic achievement, intellectual curiosity, and potential for growth. We recommend that a student prepare for Chestnut Hill College by taking the strongest course of study offered by his/her high school. Specifically, this should include the following where possible:

- ~ four years of English composition and literature
- ~ four years of social science/history
- ~ three years of science
- ~ three years of mathematics
- ~ two years of foreign language

Chestnut Hill College will accept college-level course work completed prior to matriculation provided the relevant courses were completed successfully at an accredited college or university and were not applied to the requirements for high school graduation. Credit may also be given for performance on Advanced Placement examinations and completed International Baccalaureate Diplomas.

Application

Application for admission should be made as early as possible after the completion of the Junior year of high school. Chestnut Hill College subscribes to a rolling admissions policy that strives to notify the applicant of the Admissions Committee's decision within two weeks after a complete application is received. The following credentials are required for a complete basic application:

- ~ Completed Chestnut Hill College Application (preferred) or Common Application
- ~ \$35 non-refundable application fee
- ~ Score results from the Scholastic Aptitude Test (SAT I) or American College Test (ACT)
- ~ Official high school transcript(s)

An essay/personal statement and letter(s) of recommendation are optional but strongly recommended. The Admissions Committee reserves the right to request additional information, such as a personal interview with a member of the Admissions staff.

Transfer Students Application Process

Chestnut Hill College welcomes transfer students and maintains articulation and/or course equivalency agreements with several two-year institutions. Students who have completed an associate's degree at an accredited institution may be eligible, depending on their GPA and anticipated major, for admission to Chestnut Hill College with full transfer of up to 75 college credits and Junior status. Students who transfer will have their transcripts evaluated on a course-by-course basis. A Career GPA of 2.00 or higher is required to be considered for acceptance to Chestnut Hill College. At least 45 credits must be earned at Chestnut Hill College in order to be awarded a bachelor's degree.

Transfer applicants must submit the following credentials to be considered for admission:

- ~ Completed Chestnut Hill College Application (preferred) or Common Application
- ~ \$35 non-refundable application fee
- ~ Official transcript(s) from all colleges previously attended

If fewer than 24 college credits have been completed the application must also include:

- ~ Official high school transcript(s)
- ~ Score results from the Scholastic Aptitude Test (SAT I) or American College Test (ACT)

Transfer Credit Information

Chestnut Hill College will accept up to 75 academic credits in which a grade of C or better was earned that were completed at an accredited institution and earned within ten years prior to Chestnut Hill College admission or readmission. An additional review will be conducted for any course taken more than ten years prior to admission or readmission. Some departments require a review even if the courses were taken fewer than ten years prior to admission. Decisions regarding transfer course evaluations, including Chestnut Hill College equivalencies, are final.

Students must earn a minimum of 45 credits at Chestnut Hill College to be awarded a degree. A maximum total of 15 credits in any combination of Advanced Placement Tests, Challenge Exams, or CLEP may be included among the 75 credits transferred to the College.

Transfer Articulation Agreements

Chestnut Hill College has curricular and transfer partnerships with several two-year institutions, including but not limited to the Community College of Philadelphia, Delaware County Community College, Manor College, Montgomery County Community College, and Salem Community College. Contact the Office of Admissions for information on transfer partnerships, and for detailed information about dual admissions, Core-to-Core transfer opportunities, and transfer scholarships. Telephone: 800.248.0052 (out-of-state) 215.248.7001 (in Pennsylvania.) Email: hcapply@chc.edu.

International Student Application Process

Chestnut Hill College welcomes applications from qualified international students. International students must satisfy all admissions requirements and procedures, should submit a complete set of academic credentials in English translation, and must demonstrate proficiency in the English language. Chestnut Hill College requires international students who have not taken the SAT I and/or ACT to submit the results of the National Examination administered by the Ministry of Education in the home country in addition to the results of Test of English as a Foreign Language (TOEFL). An affidavit of financial responsibility and enrollment deposit must be submitted to secure an I-20 form.

Readmission Application Process

Chestnut Hill College welcomes applications from students who have previously attended Chestnut Hill College and have not attended classes for a full calendar year prior to their application for readmission. Readmission is not guaranteed. Readmit applicants must submit the following to be considered for admission:

- ~ Completed Chestnut Hill College Readmission Application
- ~ \$35 non-refundable application fee
- ~ Official transcript(s) from all colleges attended since leaving Chestnut Hill College

Candidates may apply at any time, but it is recommended that applications be submitted as soon as possible after the completion of the Junior year, and not later than January 15th, for priority consideration. Students who wish to enter for the spring semester should have application materials completed no later than December 15th.

Academic Amnesty Policy

Undergraduate students who seek readmission to the School of Undergraduate Studies or the School of Continuing and Professional Studies following a four-year consecutive absence from Chestnut Hill College may petition their respective Dean to have their Career GPA reset at the time of readmission. Students are afforded one opportunity for Academic Amnesty. Upon successful petition, the Career GPA will be reset to 0.00 and the notation of “Academic Amnesty” will be recorded on the student’s transcript. Once enacted, the reset GPA cannot be reversed. All prior courses and grades will remain on the student’s academic record and transcript. Just as Chestnut Hill College reviews transfer courses in which a grade of C or higher has been earned for application towards the degree, Chestnut Hill College courses completed prior to readmission with a grade of C- or above will be reviewed by the appropriate department to determine if and how the credits should be applied. Grades earned in these courses will not be calculated into the Career GPA. Students must complete a minimum of 45 credits post Academic Amnesty to be eligible for graduation.

Proficiency/Placement Testing

All incoming first-year students and accepted transfer students must take a Writing Placement test administered by the English Department, and a Math Proficiency test administered by the Mathematics Department. Results of these tests determine where a student places in the English and Mathematics course progression. A Foreign Language placement interview is also available. All prospective Music and Music Education majors complete a Theory Placement Test at the time of their auditions; this test determines the beginning theory class for the first semester.

Financial Information

Expenses

Enrollment Deposit

When accepted, all new students are required to make an enrollment deposit. The enrollment deposit reserves the new student's place for the upcoming academic year. Enrollment deposits will be refunded if the new student notifies the Admissions Office in writing by May 1st that he/she intends to withdraw from the upcoming year; after May 1st, the deposit is non-refundable. The enrollment deposit is applied to the student's account during the first semester of enrollment. Students planning to attend full-time should submit a \$300 enrollment deposit.

Students planning to reside in Chestnut Hill College's residence halls are required to send an additional \$200 non-refundable room reservation deposit, for a total of \$500. Part-time students should submit a \$35 enrollment deposit.

Tuition

The tuition amount remains uniform for all students in the School of Undergraduate Studies, regardless of the major or minor being pursued.

Full-Time Tuition 2011-2012 Academic Year

(September to August)

~ \$29,100 annually

~ \$14,550 per semester

A student is full-time if he/she is enrolled for 12 or more credit hours for the semester. The full-time tuition charge remains the same for all full-time students enrolled up to 18 academic* credits. A student enrolled in 19 or more academic credit hours during a semester will be assessed an additional charge of \$620 for each credit hour over 18.

Part-Time Tuition 2011-2012 Academic Year

(September to August)

~ \$620 per credit hour enrolled

A student is part-time if he/she is enrolled for fewer than 12 credit hours for the semester. There is no distinction between academic and non-academic courses for billing for part-time students; the per credit hour rate is charged for each credit enrolled regardless.

* There are courses designated Non-Academic that count only for full-time status reporting but that are not charged tuition. These courses are noted as such and do not count towards graduation. For students enrolled as less than full-time, these courses are billed at the part-time rate.

Fees

Course fees are included in the tuition rate however; the items listed below are billed separately:

~ Private Music Lessons taken by non-majors (MUSL-courses): \$465 per semester (optional)

~ Challenge Exam: \$210 per credit (optional)

~ Activity Fee: \$50 per semester (automatic charge for full- and part-time students)

Residential Living

Our four residence halls, each with a distinct personality, offer single-, double- and triple-bed rooms, as well as suites. Each student will have a standard twin bed, a desk with chair, a dresser and a closet or wardrobe. Each room is equipped with a phone jack with a campus extension. The halls are wireless so a laptop or PC is good to go from most locations in the hall. Floors are tiled in Fontbonne and Fournier; Fitzsimmons Hall and SugarLoaf Lodge have carpeted floors.

Fontbonne Hall was built in 1961. It was named after Mother Saint John Fontbonne, who restored the Congregation of the Sisters of Saint Joseph in Lyon, France in 1808, after their dispersal during the French Revolution. Fontbonne Hall is a co-educational residence hall for first-year students. Rooms are mostly double occupancy with common hall bathrooms on each floor. A few single rooms are available.

Fournier Hall is named in honor of Mother Saint John Fournier, the foundress of the Philadelphia Congregation of the Sisters of Saint Joseph in 1847. It was originally the Mount Saint Joseph College, founded in 1928, and then became The College in 1938. Fournier Hall is a co-educational first-year and upper-class building. Transfer students

are also housed here. There are many room options, including single rooms, double rooms and triples, as well as suited rooms (bedrooms connected by a bathroom).

Fitzsimmons Hall opened in the Fall of 2006. It is suite-style, with two bedrooms connected by a common room and bathroom. The first floor of Fitzsimmons Hall is a 24-hour student center, equipped with a recreation room and TV lounges. Fitzsimmons Hall is a co-educational upper-class building with four- and six-person suites.

SugarLoaf Lodge opened in the Fall of 2008. Recently renovated into student residency, this building is part of the SugarLoaf Hill Campus across Germantown Avenue. SugarLoaf Lodge is a co-educational building reserved for upper-class students, with double rooms each equipped with private bathrooms. The newly renovated Pool House at SugarLoaf contains a large TV lounge and pool table area for use by SugarLoaf residents.

Costs

Chestnut Hill College offers several options for residential living. All options include a Board Plan of 19 meals per week during the academic year (excluding breaks, holidays, etc.). Prices vary by type of room and residence hall location and range from \$8,290 to \$10,220 per academic year.

Students residing in the Chestnut Hill College's residence halls are charged a \$250 room damage deposit in the first semester in College housing. The deposit will be refunded, less any charges for damages to their room or residence hall common areas, when they move out of College housing. More information regarding the room types and residential living is available from the Office of Residence Life, Room 101 Fitzsimmons Hall. Telephone: 215.248.7118. Fax: 215.248.7074. Email: housing@chc.edu.

Health Insurance

Chestnut Hill College requires that all full-time students be covered by health insurance. The College has made arrangements for a health insurance plan for all students in the School of Undergraduate Studies who do not have coverage under any health insurance policy.

Each student's account will be charged \$325 for the cost of the College health insurance plan provided. If the student is covered under another plan they may waive this charge. Information about the Student Health Plan and the waiver can be found online at www.BollingerInsurance.com/chestnuthill. Contact the Student Accounts Office for more information. Telephone: 215.248.7116. Fax: 215.242.7705. Email: Accounts@chc.edu.

Miscellaneous Charges

Returned Check Fee:	\$35 per occurrence
Late Payment Charge:	1.5% of balance (<i>Automatically charged if semester bill is not paid by the payment due date</i>)
Late Payment for Deferred Plan:	\$20
Late Registration:	\$60
Withdrawal Fee:	\$40
Orientation (Griffin Day) Fee:	\$130
Graduation Fee:	\$250 <i>one-time only non-refundable fee (Note: does NOT include regalia rental fee.)</i>

Refund Policy

Full-time undergraduate students who officially withdraw from classes at the College (see *Withdrawal Procedures* in Academic Section) are eligible for refunds of tuition and room charges as indicated in the schedule below. Only the portion of the residential living charge associated with board costs is refundable. Fees, parking permit, health insurance and other charges are non-refundable after the first day of classes.

Students who withdraw from the College may also have to return a portion of the Federal Financial (Title IV) Aid received. For purposes of calculating refunds, the calendar week begins as of the first scheduled class time of each session:

- ~ Prior to the first day of classes: 100% refund
- ~ Within the first calendar week: 80% refund
- ~ Within the second calendar week: 60% refund
- ~ Within the third calendar week: 40% refund
- ~ Weeks thereafter: No refund

Part-time students who withdraw from an individual course after the drop/add date and full-time students who drop to part-time status by dropping or withdrawing from a course after the drop/add date will not be eligible for any refund. There are no refunds for *MONC- Montessori* and other Professional Enrichment courses. Before registering for any of these courses, please contact the Student Accounts Office for details.

Student Accounts Office

St. Joseph Hall, 1st floor, End of the Music Corridor

Telephone: 215.248.7116. Fax: 215.242.7705. Email: accounts@chc.edu

Students may make payments and receive information about their accounts at the Student Accounts Office. Chestnut Hill College accepts cash payments; checks; money orders; and Visa, MasterCard, American Express, and Discover.

Regular Hours:

Monday - 9:00am to 5:00pm

Tuesday - 9:00am to 7:00pm

Wednesday - 9:00am to 7:00pm

Thursday - 9:00am to 5:00pm

Friday - 9:00am to 4:00pm

Summer Hours:

Monday - 9:00am to 5:00pm

Tuesday - 9:00am to 6:00pm

Wednesday - 9:00am to 6:00pm

Thursday - 9:00am. to 5:00pm

Friday - 9:00am to 1:00pm

Payment Schedule and Mailing Address

By act of registration, the student accepts responsibility to pay the charge for the entire semester, regardless of the method or source of payment. In general, all monies due to Chestnut Hill College for a specific semester must be paid according to the following schedule:

Fall Semester: August 1

Spring Semester: January 1

Summer: May 1

All students who have not fully satisfied their tuition and fees by the stated due date, including those who have applied for financial aid, which has not as yet been credited to their accounts, are asked to complete a Student Financial Responsibility Agreement. This agreement defines various payment options that may be used by the students to settle their full balances in a timely manner.

The College reserves the right to withhold registration, transcripts, diplomas and all other information regarding the record of any student who is in arrears in the payment of tuition, fees or any other amounts due the College. A student may be prevented from reenrolling at the College for continued delinquency of financial obligations. Unpaid bills will be turned over to a collection agency. Collection costs and/or finance charges must be paid by the student in addition to the unpaid amount before the College will release information as described in the preceding paragraph.

Payments may be mailed to **Chestnut Hill College/P.O. Box 8500 #9986/Philadelphia, PA 19178-9986**. The student's ID number must be included on all payments.

Payment Plans

Chestnut Hill College offers an interest free Monthly Payment Plan (MPP) through a third party called Nelnet Business Solutions (NBS). There is a \$65 enrollment fee for the MPP. Students may use the MPP to pay their combined Fall and Spring balances in either eleven, ten or nine monthly installments starting with a due date of June 20th for the eleven month plan. The other plans due dates are on the 20th of the succeeding months, and all plans end with final payment due on April 20th.

Please contact the Student Accounts Office at 215-248-7116 or accounts@chc.edu for more information regarding the MPP, or go to my.chc.edu and click on the Student tab and then the School of Undergraduate Studies. From there you can view the Monthly Payment Plan portal which includes a link to the Nelnet Monthly Payment Plan site.

Business Office Hold

Students who do not pay, or do not make suitable payment arrangements, for their semester bills will be placed on Business Hold and will not be allowed to attend class until payment or arrangements have been made at the Student Accounts Office. A late payment fee and/or a service charge will be charged for all past due accounts. Students placed on Business Hold are prevented from graduating, obtaining transcripts, viewing final grades, and registering

for future classes until the balance is paid in full. Students placed on Business Hold should contact the Student Accounts Office immediately to pay their remaining balance. A student may be placed on Business Hold at any time.

Beginning of the Semester: For failure to make payment in full or to make satisfactory arrangements to pay the semester bill. Students in this category cannot obtain their room key, dining hall pass or attend classes until the Student Accounts Office approves their financial arrangements for the semester.

During the Semester: For failure to make payment and/or for defaulted or late payment on terms arranged at the beginning of the semester. Students in this category cannot register for the following semester, participate in the residence hall room lottery, receive grades or transcripts and may be prevented from taking tests, attending classes or graduating. Students should contact the Student Accounts Office immediately if they have not met their financial obligation as agreed upon at the beginning of the semester. Students will be removed from Business Hold only when the bill is either paid in full or addressed in a satisfactory manner as approved by the Student Accounts Office.

Financial Aid

St. Joseph Hall, 1st floor, End of the Music Corridor

Telephone: 215.248.7182. Fax: 215.242.7217. Email: finaid@chc.edu

A Chestnut Hill College education is one of the best investments one can make in the future. In fact, a college degree puts a graduate on both the path to a more satisfying career and, as numerous studies have shown, a more lucrative pay scale. We offer abundant financial aid and scholarship opportunities, as well as federal student loans and other payment options, to help our students reach their educational goals. Chestnut Hill College prides itself on striving to be affordable for all academically qualified students who wish to attend. Our Financial Aid office offers individualized guidance, so that each student understands all of the financial options.

Although the primary responsibility for meeting college costs rests with the student and his/her family, the Financial Aid Office can help design a financial strategy that will make a degree from Chestnut Hill College affordable. The Financial Aid Office will develop a personalized financial aid package that will offer assistance with educational expenses. The financial aid package may consist of grants, scholarships, loans and student employment. With a combination of financial aid from federal, state, and institutional sources, we hope to help all eligible students take advantage of the College's high quality academic experience.

The professional staff in the Financial Aid Office is ready to assist with the financial aid process and is open to students during the following hours:

Regular Hours:

Monday - 9:00am to 5:00pm
Tuesday - 9:00am to 7:00pm
Wednesday - 9:00am to 7:00pm
Thursday - 9:00am to 5:00pm
Friday - 9:00am to 4:00pm

Summer Hours:

Monday - 9:00am to 5:00pm
Tuesday - 9:00am to 6:00pm
Wednesday - 9:00am to 6:00pm
Thursday - 9:00am to 5:00pm
Friday - 9:00am to 1:00pm

Lending Code of Conduct

Chestnut Hill College is committed to providing students and their families with the best information and processing alternatives available regarding student borrowing. In support of this and in an effort to rule out any perceived or actual conflict of interest between Chestnut Hill College officers, employees or agents and education loan lenders, Chestnut Hill College has adopted the following:

- ~ Chestnut Hill College does not participate in any revenue-sharing arrangements with any lender.
- ~ Chestnut Hill College does not permit any officer, employee or agent of the school who is employed in the financial aid office or is otherwise involved in the administration of education loans to accept any gifts of greater than a nominal value from any lender, guarantor or servicer.
- ~ Chestnut Hill College does not permit any officer, employee or agent of the school who is employed in the financial aid office or is otherwise involved in the administration of education loans to accept any fee, payment or other financial benefit (including a stock purchase option) from a lender or affiliate of a lender as compensation for any type of consulting arrangement or contract to provide services to a lender or on behalf of a lender relating to education loans.

- ~ Chestnut Hill College does not permit any officer, employee or agent of the school who is employed in the financial aid office or is otherwise involved in the administration of education loans to accept anything of value from a lender, guarantor, or group of lenders and/or guarantors in exchange for service on an advisory board, commission or other group established by such a lender, guarantor group of lenders and/or guarantors.
- ~ Chestnut Hill College does allow for the reasonable reimbursement of expenses associated with participation in such boards, commissions or groups by lenders, guarantors, or groups of lenders and/or guarantors.
- ~ Chestnut Hill College does not assign a lender to any first-time borrower through financial aid packaging or any other means.
- ~ Chestnut Hill College recognizes that a borrower has the right to choose any lender from which to borrow to finance his/her education. Chestnut Hill College will not refuse to certify or otherwise deny or delay certification of a loan based on the borrower's selection of a lender and/or guarantor.
- ~ Chestnut Hill College will not request or accept any offer of funds to be used for private education loans to students from any lender in exchange for providing the lender with a specified number or volume of Title IV loans, or a preferred lender arrangement for Title IV loans.
- ~ Chestnut Hill College will not request or accept any assistance with call center or financial aid office staffing.

Applying for Aid/Federal School Code

Applying for financial aid is easy at Chestnut Hill College. Students interested in applying for financial aid must complete the Free Application for Federal Student Aid (FAFSA) each academic year by April 15. The student should complete either a paper or online FAFSA or FAFSA Renewal Application (www.fafsa.ed.gov). Chestnut Hill College's federal school code is 003245 and ensuring that this appears on the FAFSA will facilitate the proper disclosure of information to the Financial Aid Office.

Types of Available Aid

Grants: This is money given to a student to supplement their educational costs that does not have to be paid back. Grants are usually determined based on demonstrated financial need.

Scholarships: Another form of a grant is often referred to as a scholarship. Scholarships are usually awarded either on a competitive basis and reflect academic achievement, or are based on financial need.

Loans: This is money borrowed by a student (Direct Loan) or parent (PLUS Loan) to help pay for educational expenses. Like any other loan, it is an obligation that must be repaid with interest over a period of time.

Student Employment: The Federal College Work-Study program provides jobs for students with financial need. It allows a student to earn money to help pay for education-related expenses. The money that a student earns will be paid directly to them via a bi-weekly paycheck throughout the academic year, as it is earned. Since the Federal Work-Study Grant is an earning potential, it should not be deducted from the tuition invoice.

Sources

Federal: Federal financial aid, also known as Title IV aid, includes Pell Grants, Supplemental Educational Opportunity Grants (SEOG), Federal College Work-Study, Perkins Loans, Federal Direct Loans and Federal PLUS Loans. Students must complete a Free Application for Federal Student Aid (FAFSA) to determine eligibility for federal financial aid.

State: Pennsylvania Higher Education Assistance Authority (PHEAA) sponsors a need based state grant program for undergraduate Pennsylvania residents who will be enrolled at least half time. No separate application is required. Pennsylvania residents who complete the FAFSA will automatically have their FAFSA information forwarded to PHEAA for determination of award eligibility. Some students from outside of Pennsylvania may receive funds from their state scholarship programs that can be used at the College. Students living in the following states may use their state scholarship at Chestnut Hill College: Connecticut, Delaware, District of Columbia, Maine, Massachusetts, New Hampshire, Ohio, Rhode Island, Vermont and West Virginia.

Private: Many private and local organizations have grants and scholarships available to students who meet certain criteria. We encourage all students to perform their own scholarship search. The library is an excellent source for information on scholarships. The Internet has also become a good place to search for additional funding to help with educational costs. Any outside scholarship that a student receives must be reported to the Financial Aid Office.

Veteran's Benefits/School Certifying Official (SCO)

Marie Scheetz, Assistant to the Registrar

Fournier Hall, Room 15

Telephone: 215.248.7064. Fax: 215.242.7707. Email: ScheetzM@chc.edu

Chestnut Hill College's **Yellow Ribbon Program** funds will be awarded to qualifying students. To be considered, qualifying students must be accepted for enrollment to a degree program to be currently enrolled in that degree program at the College as verified in the submitted Certificate of Eligibility provided by the College's SCO.

Satisfactory Academic Progress for Financial Aid

To be eligible for Federal and Institutional financial aid, a student must make satisfactory academic progress each year. This means that a student must complete a certain number of credits each year and maintain a minimum Career Grade Point Average (GPA) once he/she has completed 24 academic credits. This policy ensures the student's intention of completing his/her program of study and moving towards the goal of graduation.

Standards of Academic Progress

In order to continue to receive Federal and Institutional financial aid, all students must successfully complete 66% of all credits attempted. In addition, all students are required to achieve a minimum Career GPA:

- ~ Students with 1 to 24 earned academic credits must achieve a Career GPA of 1.65
- ~ Students with 25 to 59 earned academic credits must achieve a Career GPA of 1.85

Standards of Academic Progress for the PHEAA State Grant

Pennsylvania Higher Education Assistance Authority (PHEAA) requires recipients of the PHEAA State Grant to complete a minimum of 24 credits for every two semesters of full-time grant assistance received or a minimum of 12 credits for every two semesters of half-time grant assistance received. No academic waivers will be granted for the PHEAA state grant program by Chestnut Hill College. A student may appeal directly to PHEAA concerning extenuating circumstances.

Maximum Time Frame

The maximum time frame for completion of undergraduate programs cannot exceed 150% of the published program length for a full-time student. For undergraduate students, the minimum credits needed for graduation is 120. Therefore, a student would have a maximum time frame of 180 attempted credits to complete the program before the student would lose eligibility for financial aid.

Measurement of Progress

Academic progress for each student will be measured at the end of each academic year. If a student does not meet the satisfactory standards of academic progress, he/she will be notified in writing regarding the cancellation of financial aid funding.

Appeals

Appeals may be based on extenuating circumstances. The student must be able to demonstrate that the extenuating circumstance had a direct impact on the student's academic performance. The student must put the request in writing and submit it to the Director of Financial Aid. The student may be asked to provide supporting documentation of the situation. If an appeal is approved, an academic waiver will be granted. This will allow the student's financial aid to be reinstated for one academic year only (except the PHEAA State Grant). The student must comply with any and all conditions attached to the waiver of the academic policy.

Title IV Financial Aid Refund Policy

A student who received federal Title IV financial aid, as defined previously, and who withdraws from all classes at Chestnut Hill College, will be required to return some or all of the federal Title IV funds. The amount of federal financial aid to be returned will be the largest amount as determined by using the Federal Refund Policy (except for first-time students who use the Pro-Rata Refund Policy which follows), which is calculated by dividing the total Title IV funds (less work-study earnings) by the student's total aid package and applying this fraction to the Chestnut Hill College refund. The resulting amount is the amount of funds to be returned to the Title IV programs.

The Pro Rata Refund Policy is used only for the first-time students withdrawing before 60% of the term is completed. Charges are pro-rated depending on the student's date of withdrawal.

Returning money to the Title IV programs will be made in the following order: 1) Federal Direct Unsubsidized Loan, 2) Federal Direct Subsidized Loan, 3) Federal PLUS Loan, 4) Federal Perkins Loan, 5) Federal Pell Grant, 6) Federal SEOG, 7) Other Title IV programs, 8) Other federal sources of aid, 9) Other state, private or institutional aid, and 10) the student.

Safety and Campus Security

Emergencies: 7777 (on-campus) or 215.242.7777 (off-campus).

The safety and security of all who live, work, and visit Chestnut Hill College is of paramount importance to the entire College Community. The Department of Safety and Campus Security is primarily concerned with providing the highest reasonable level of security on the 75-acre campus. Members of the community share this responsibility. This shared responsibility is a very important element of an overall safe learning environment. The Department of Safety and Campus Security reports to the Acting Dean of Student Life, and consists of a Director and 40 full-time Security Officers. Of these 40 officers, one is designated as the Patrol and Training Manager, one is designated as the Crime Prevention Officer, and six are Shift Supervisors. The Director of Safety and Campus Security also manages on campus parking.

Chestnut Hill College Security Officers are both CPR-and AED-certified and have undergone training in specialized course offerings for higher education. Security Officers do not carry firearms. Criminal investigations are conducted by the Philadelphia Police Department, which is responsible for coverage at the College. Victims of campus crimes and other criminal activity are encouraged to, and readily assisted in, reporting incidents to the local police.

Buildings and residence halls are monitored by security personnel on a 24-hour basis. The buildings and residence halls are equipped with state of the art security and fire alarm systems. Fire safety drills are conducted in compliance with Philadelphia Fire Department regulations. Alarms, sensors and fire equipment are cleaned, inspected and certified annually in compliance with the Philadelphia Fire Code.

Several patrol areas are included in the security operation including vehicle as well as foot and bicycle patrols. Officers utilize an electronic tour watch device that provides accurate documenting times and locations of their patrols. During these patrols, unsafe conditions are promptly reported and the appropriate campus department is notified for corrective actions to be undertaken. Emergency lighting and phones are surveyed on a scheduled basis.

Chestnut Hill College's Department of Safety and Campus Security lives by its Mission Statement, and is committed to the high standards of quality in promoting a safe and problem free educational environment. The College is an institutional member of IACLEA and a charter member of the Delaware Valley Campus Security Director's Association. This information meets the Commonwealth of Pennsylvania Act 73, College and University Security Information Act and the Federal Crime Awareness and Campus Security Act of 1990.

Identification Cards

Photo ID cards are available through Campus Security on the 2nd Floor of St. Joseph Hall. In an effort to provide adequate security, students must carry their ID cards at all times. ID cards are non-transferable and, upon request, must be surrendered to authorized personnel, e.g., security officers in the performance of their duties. An ID card is required to take books out of the library, to use the computer center, to use the pool and fitness center, to participate in the meal plan, and obtain a parking permit. There is a fee to replace lost or damaged ID cards.

Visitors

All visitors to campus must be registered with the Security Desk at the entrance of Fournier Hall. Visitors must be with their sponsoring member of the College community at all times. Visitors are not permitted to be alone on campus at any time and infractions of this instruction will be treated seriously.

Chestnut Hill College does not provide childcare services. Children may not be left unattended on campus at any time, for any reason. Children brought as visitors to campus must be signed in at the Security Desk and must remain with their sponsoring member of the College community at all times.

Campus Ministry

St. Joseph Hall, 3rd Floor

Telephone: 215.248.7095. Fax: 215.242.7155. Email: weldingm@chc.edu

Campus Ministry affirms and supports the values, mission and ministry of the Sisters of St. Joseph of Philadelphia enabling students to grow spiritually and to provide the welcoming atmosphere that promotes discovery of an adult faith life. The values promoted are unity, forgiveness and reconciliation, right relationships that are holy and healthy, to be ready for any and all good work for the dear neighbor without distinction and finding God in all things. Campus

Ministry welcomes students of all faiths. Events are planned so that any one may feel comfortable becoming involved in service, spiritual offerings, miscellaneous events, offerings and retreats.

Ministry Team

Mary Darrah, SSJ, Assistant to the President for Mission and Ministry Telephone: 215.248.7031. Email: darrahm@chc.edu

Mindy Welding, IHM, Director of Campus Ministry Telephone: 215.248.7095. Email: weldingm@chc.edu

Michelle Lesher, SSJ, Assistant Director of Campus Ministry Telephone: 215.248.7107. Email: lesherm@chc.edu

Fr. Raymond Tribuiani, Chaplain Telephone: 215.248.7058. Email: tribuianir@chc.edu

Point Persons: Point Persons are students interested and involved in Campus Ministry who have taken an interest in a specific service/volunteer site or project.

Ministry Team/Service Team: Opportunity for leadership within Campus Ministry includes retreat, service and event planning. Teams will gather at appointed times to create community, share a meal, process the service, event or retreat and its meaning in the greater Mission of the College and the Gospel Message.

Student Life and Resources

Chestnut Hill College has the unique advantage of being an urban school in a suburban setting. The campus comprises 75 acres of trees, groves, and buildings. The Chestnut Hill shopping area is less than a 10-minute walk from the campus. The College and the city share a vibrant and varied cultural and social life.

The local community supports an orchestra, the Woodmere Art Gallery, many smaller galleries, the renowned Morris Arboretum and the extensive greenery and open space of Fairmount Park. The varied shops and restaurants of Chestnut Hill attract visitors from throughout the region. Center City Philadelphia, with its many museums, historical places and award-winning restaurants, is easily reached by commuter train.

Athletic Programs

Lower Level, Fournier Hall

Telephone: 215.248.7060. Fax: 215.248.7047. Email: athletics@chc.edu

Chestnut Hill College's athletic programs are an ideal complement to the students' academic experience. The College offers opportunities to achieve athletic and personal goals through intercollegiate athletics, recreation and intramural sports. Whether through recreational programs or competing on one of the Griffins' intercollegiate teams, students of all interest and ability levels discover the benefits of an active lifestyle in developing a well rounded experience.

Chestnut Hill College offers fourteen intercollegiate varsity sports programs for men and women, and is a NCAA Division II institution and competes in the Central Atlantic Collegiate Conference (CACC).

Fall:

Men's Cross-country

Women's Cross-country

Men's Soccer

Women's Soccer

Women's Tennis

Volleyball

Spring:

Baseball

Golf (Men's/Women's Combined)

Men's Lacrosse

Women's Lacrosse

Softball

Men's Tennis

Winter:

Men's Basketball

Women's Basketball

Student Government Association

All Chestnut Hill College School of Undergraduate Studies students are members of the Student Government Association, which elects a representative student government. Students also serve with Chestnut Hill faculty and administrators on numerous College committees in the areas of curriculum and student activities, among others.

Official CHC Email

Every student is entitled to an “@chc.edu” email account. As part of the College’s Mission to respect our resources, many previously paper-based processes are now conducted electronically. It is the student’s responsibility to make sure all messages sent to the official @chc.edu email account are read in a timely manner.

Snow/Emergency Closing

Should weather or other circumstances force the cancellation of classes an announcement will be made on KYW News Radio (1060AM). The School of Undergraduate Studies snow number is 126 for day classes and 2126 for evening classes (beginning at 4:00pm). Closing messages will be recorded on the College’s information line (215.248.7009) and published on the homepage at www.chc.edu.

Campus Bookstore

St. Joseph Hall, Lower Level, down the ramp to the right of the Commuter Lounge.

Telephone: 215.248.7150. Fax: 215.248.7156. Email: 0719mgr@fhcg.follet.com

Whether by providing campus course materials (now also including book rental!), supplies, Chestnut Hill College clothing and gifts, or general reading books, the College Bookstore serves the needs of students, faculty, staff, alumni, and Griffins fans. For store hours and information, or to shop online for the latest in College Gear, visit the Bookstore's website at www.chc.bkstr.com.

Academic Computer Center

St. Joseph Hall, Lower Level, down the ramp to the right of the Commuter Lounge.

Telephone: 215.242.7195. Email: helpdesk@chc.edu.

The Academic Computer Center is only open to Chestnut Hill College students. Once enrolled, students are given a personal account on the College network, giving them an Internet email address and access to the Internet. All students must agree to abide by the College's rules and policies regulating the use of College computer resources.

Microsoft Windows-based computers are available for student use on a walk-in basis during posted day and evening hours. Students may take advantage of the state-of-the-art software for purposes such as word processing, statistical analysis, graphics, desktop publication, database manipulation, web page editing and web browsing over the Internet. Laser printers are available for high-quality printed work.

The Academic Computer Center also manages four **Teaching Labs**: three for Microsoft Windows-based PCs, and one for Macintosh. The Teaching Labs are available for classroom instruction ranging from computer software application basics to sophisticated programming languages. The Teaching Labs are also available for use by faculty for the integration of technology in education.

The Devlin Video Production Suite in Martino Hall is an extension of the Academic Computer Center. This facility houses a state-of-the-art video editing laboratory, a television production studio and control room, a video production classroom and office. Students may also sign out camcorders and tripods for various classes as needed. Several laptop computers are also available for students to borrow.

Hours

Monday through Thursday - 9:00am to 11:00pm

Friday - 9:00am to 5:00 pm

Saturday- 9:00am to 5:00 pm

Sunday - 1:00pm to 11:00pm

Hours are subject to change due to holidays and other scheduling considerations. For the latest, most up-to-date lab schedule information, check the schedule posted on the door of the Academic Computer Center.

Common Areas

Ursula Lavin, Coordinator of Facilities Rental.

Telephone: 215.753.3631. Email: lavinu@chc.edu

Kyle McLaughlin, Catering Director.

Email: catering@chc.edu.

Rotunda: The ninety-five foot high Rotunda, built in 1903, is unusually breathtaking in design. The ceiling features a stained glass mural. The appointments are neoclassical with marble facing, white Corinthian pillars, aged oak molding and staircase. This lovely open area is conducive to a variety of events, and combined with the East Parlor, has the capacity to comfortably accommodate meeting groups of twenty and a reception of over two hundred guests.

East Parlor and Redmond Room: These classic Edwardian rooms feature original chandeliers in the center of the room, marble fireplaces, aged oak moldings, and finished hardwood floors. Either room is the perfect setting for a two-hour meeting, an all-day workshop, or a special event. Combined with the Rotunda, the parlors can accommodate a seated reception for more than 200 guests.

Social Room: Built to entertain visitors, this gracious room features beautiful hardwood floors, aged oak molding and attractive arch windows. Recently refurbished with colonial chandeliers and comfortable furnishings, this neoclassical room offers a perfect setting for a day or evening affair. This special room includes a conference table that seats twenty, and comfortably accommodates a conference or reception for up to two hundred guests.

Counseling Center

St. Joseph Hall, 3rd Floor, Room 56.

Telephone: 215.242.7104. Email: kennedys@chc.edu

The Counseling Center offers free, short- and long-term therapy to students in the Schools of Undergraduate, Graduate and Continuing Studies during the academic year. Counseling staff can also consult with students and members of their families. Workshops are offered to address students' interests and needs. Students may use the Counseling Center at all times they are enrolled at the College.

In general, counselors see students once a week for a fifty-minute session. In addition, counselors reserve time every day to see any student in crisis needing immediate attention. The College also provides 24-hour emergency coverage when school is in session.

The Counseling Center is completely confidential, except in cases of life-threatening emergency (the threat or attempt of suicide, and the threat of seriously injuring another person, for example) or when we are legally required to report abuse of a minor. Except in these extraordinary circumstances, neither what is discussed nor any of the required written records are shared with anyone - including roommates, parents, friends, faculty, and staff – without the student's written permission.

Disabilities Resources

Leslie E. Wilson, M.Ed., Director of Learning Services

St. Joseph Hall, 3rd Floor.

Telephone: 215.248.7013. Fax: 215.248.7019. Email: wilsonL4@chc.edu

Consistent with Section 504 of the Rehabilitation Act of 1973 and Title II of the American with Disabilities Act of 1990, students with documented disabilities may seek relevant, reasonable, academic or housing accommodations or auxiliary aids. Chestnut Hill College is committed to providing equal educational opportunities for qualified students. The College is in compliance with applicable federal and state laws. Disclosure of a disability is voluntary and confidential. To access services, students must submit documentation to verify eligibility under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990.

Documentation must state the nature and duration of the disability and provide adequate information to support accommodations. Accommodations will be determined on a case-by-case basis. The College reserves the right to request additional information, if necessary, especially in cases where recertification of a disability is warranted. Please contact Leslie Wilson with any questions or concerns.

Academic Service Centers

Centers are open during the Fall and Spring semesters as defined by the School of Undergraduate Studies Academic Calendar and are available at no charge to currently enrolled Undergraduate students. To make an appointment, please contact the Center directly.

Foreign Language Resource Center

Located on the 2nd Floor of Fournier Hall offering resources such as individual tutoring, Internet, tapes, and computer programs. Resources available to students include computers with access to internet tutorials; videos and a video player; books; CDs, player and duplicator; DVDs and a player. Contact Ruth O'Neill, SSJ, Director of the Foreign Language Resource Center, for more information. Fournier Hall, 2nd Floor, Room 26. Telephone: 215.242.7951. Email: oneillr@chc.edu.

Math Resource Center

Located on the 3rd Floor of St. Joseph Hall; serves as a resource for students seeking help with their Math or Math-related course; hosts Math workshops throughout the year; and conducts Math Placement/Proficiency testing. The Center is staffed by teachers and student-tutors at times posted on the Center door. Students requesting help may make an appointment or stop in any time the Center is open. In addition to individual and small group tutoring, software programs, math web sites, books, and practice worksheets are available in the Center for student use. Contact Joan Mickey, SSJ, Director of the Math Center, for more information. Telephone: 215.248.7088. Email: mickeyj@chc.edu.

Writing Resource Center

Located on the 3rd Floor of St. Joseph Hall; serves as a resource for students seeking help with writing, grammar, and punctuation. The Center is staffed by instructors and student tutors. Appointments are preferred, but walk-ins are welcome and students may email, call, or stop by the Writing Resource Center to make a 30-60 minute tutoring appointment. Contact Megan Ryan, Director of the Writing Center, for more information or to make an appointment. Telephone: 215.248.7114. Email: ryanm01@chc.edu.

Student Learning Services Center

Located on the 3rd Floor of St. Joseph Hall offering techniques to maximize study time by learning effective and efficient college study strategies in addition to tutoring for subjects not covered by a dedicated Resource Center. Requests for tutoring may be made in the office or by emailing tutor@chc.edu. Contact Leslie Wilson, Director of the Student Learning Services Center for more information or to make an appointment.

Dining Services

Patrick Flanagan, Director of Dining Services.

Fournier Hall, 1st floor.

Telephone: 215.248.7015. Email: unit10935@compass-usa.com

At Chestnut Hill College providing food for our students, faculty and staff is only part of the equation; it's important to make sure that everyone eats well, too. A variety of meal plans are offered, as well as a wide array of food that not only emphasizes nutritional value, but also creativity, convenience and taste. After all, food is not just meant to be eaten, it is meant to be enjoyed! For more information on dining options, locations, healthy options and, and catering services available at the College, please visit www.dineoncampus.com/chc/

Dining and Vending Locations

The Dining Hall is located on the 1st Floor of Fournier Hall and meals may be purchased on a cash basis. An ala carte café, The Griffin's Den, is located on the Lower Level of Fournier Hall. Hours and prices are listed at both locations. Vending machines are located in the Commuter Lounge on the Lower Level walkway between St. Joseph and Fournier Halls; the 3rd Floor of St. Joseph Hall; and on the Lower Level of Fournier Hall just outside the Mail Room. The Bookstore also sells an assortment of drinks and snacks.

Health Services

Fitzsimmons Hall, 1st Floor, just behind the Security Desk.

Emergencies: 7777 (on-campus) or 215.242.7777 (off-campus).

Telephone: 215.248.7111. Fax: 215/753-3663. Email: robertss@chc.edu

Chestnut Hill College's Health Services is an integral part of the College community providing care to students during illness, making recommendations for health maintenance, and providing programs throughout the year on health related issues. The Health Services Office, staffed by registered nurses, is open Monday through Friday and no appointment is needed. All students must have completed health forms on file at the Health Office. Health Services available to students:

- ~ Assessment and treatment of illness and accidents
- ~ Referral to local physicians for more serious illnesses and/or accidents
- ~ Over-the-counter medications
- ~ Health information and programs
- ~ Blood pressure screenings
- ~ Nutrition counseling
- ~ Wellness programs

Swimming Pool

Lower Level, Fournier Hall.

Emergencies: 7777 (on-campus) or 215.242.7777 (off-campus).

Telephone: 215.248.7040.

Students, staff and faculty with an official Chestnut Hill College ID may use the pool during the posted pool hours. All visitors, including adult family members and friends, must purchase a membership card. For more information about purchasing a membership card, please refer to the Aquatics section of the Chestnut Hill College Athletic Website www.griffinathletics.com or call 215.248.7040. Swimming is permitted *only* when a lifeguard is on duty.

International Student Office

James McLaughlin, Director of International Student Services.

Fournier Hall, Room 12.

Telephone: 215.242.7989. Fax: 215.248.7082. Email: mclaughlinja@chc.edu

Chestnut Hill College is authorized under federal law to enroll nonimmigrant students. The Office of International Student Services advises international students and provides information on American academic procedures as well as on U.S. immigration and visa requirements. International students maintaining F-1 visa status are required by law to be enrolled full-time throughout the duration of their programs of study. Exceptions to the full-time requirement are rare and must be authorized by the Office of International Student Services prior to the change in enrollment status.

Career Development Office

Third Floor, St. Joseph Hall

Telephone: 215.248-7109. Fax: 215.248.7155. Email: ndachill@chc.edu.

The Office of Career Development at Chestnut Hill College provides information and guidance on careers, professions, employment, and graduate school opportunities for current and prospective students as well as alumni. Career Development also coordinates the College's Experiential Education program. Workshops are offered on resume writing, interviewing and job-search skills.

Staff and Hours

Nancy Dachille, Director of Career Development. Telephone: 215.248.7048. Email: ndachill@chc.edu

Ryan Murphy, Director of Service-Learning. Telephone: 215.248.7032. Email: murphyr@chc.edu

Ashley Reichenbach, Assistant Director of Career Development. Telephone: 215.248.7109. Email: reichenbacha@chc.edu

The Office is open weekdays from 8:30am until 4:30pm; other hours are available by appointment.

Programs

Experiential Education Program provides opportunities for students to gain academic credit for real-world work experience, through internships and cooperative education. Additionally, in collaboration with faculty and community partners, students can participate in service-learning courses that put coursework into action through relevant volunteer service to the community. These experiences also serve as foundations for classroom discussion and synthesis of academic theory. These programs are monitored by Ryan Murphy, Director of Service-Learning. Telephone: 215.248.7032. Email: murphyr@chc.edu.

FOCUS is a self-paced, online career and education planning tool for use by college students. It will enable the student to self-assess career-relevant personal qualities and explore career fields and major areas of study that are most compatible with the assessment results. Students who use FOCUS make better decisions about their goals and plans and learn how to self-manage their careers. Career planning with FOCUS leads to the following advantages for students: While in college: More goal focused and motivated - Higher academic achievement - Fewer transfers and

switching of majors - Graduate on time; After Graduation: Better entry job with higher income - More satisfied, more productive in their career - Less career change, faster advancement.

Career Connections (FYIN-101) began as an innovative mentor program linking students with successful alumni to learn more about potential professions and careers. It is a non-academic credit required for graduation. The program has expanded to include other career-related opportunities such as internships, part-time positions, and other relevant experiences.

To complete this requirement, students can also register for the *Career Success Seminar*. This course is offered twice a semester for five weeks. Each class period is 50 minutes in length and is instructed by Career Development staff. The course addresses interviewing, résumé building, and other career topics. Please see Career Development staff to discuss how your experience might fulfill this graduation requirement.

Students with Blackboard accounts can access the Career Development virtual site on Blackboard. This site offers information about career planning, job/internship searching, resume writing, graduate school applications, and upcoming events.

Student Activities Office

St. Joseph Hall, 3rd floor

Telephone: 215/753.3648. Email: schademan@chc.edu

Student Activities sponsors on-campus programs and performances including comedy shows, concerts, guest speakers, movie nights, game shows, and leadership development opportunities. They also arrange trips to Baltimore, New York, and other destinations in the Philadelphia area.

They also serve as the home for many academic interest groups, drama and music groups, cultural organizations, yearbook and newspaper staffs, and community action groups. While not comprehensive, this list includes:

AAAS (African-American Awareness Society)

Aurelian (yearbook)

CEC (Council for Exceptional Children)

CHAT (Chestnut Hill Activities Team)

Computer Club

Dance Club

FADD (Fighting Against Dangerous Decisions)

Gospel Choir

The Griffin (newspaper)

Griffin Club (student hospitality organization)

Griffin Radio Network

Griffins for Paws

GSA

History Club

Japanese Culture Club

La Voz Latina

Mask and Foil Drama Club

Phi Beta Lambda (business society)

Photography Club

Poetry Club

Psychology Club

Sociology /Criminal Justice/Human Services Group

Students Political Science Association

Staff and Hours

Emily Schademan, Director of Student Activities. Telephone: 215.248.7083. Email: schademan@chc.edu

Megan Cranney, Assistant Director of Student Activities. Telephone: 215/753.3648. Email: cranneym@chc.edu

The office is open Monday through Friday 8:30am to 4:30pm.

Library and Services

Logue Library, Main Campus on the Circle.

Telephone: 215.248.7050. Fax: 215.248.7056. Email: Librarians@chc.edu

www.chc.edu/library

Chestnut Hill College's Logue Library is contemporary in style and was completed in 1961. The Library tailors its collection to best serve students, faculty and staff, and neighbors. Our resources and services, which are available in a wide variety of media, enable our members to accomplish everything from conducting academic research, searching for fulfilling careers to enjoying entertaining and enriching popular books and films. We urge all members to take full advantage of Logue Library's offerings, as it is an environment where they can learn, discover, and meet their academic and personal goals.

The Logue Library houses 130,000 volumes on three floors of open stacks. In addition to the circulating materials, there are periodicals and a reference collection in the Alumnae Reference Room on the main floor, as well as an extensive electronic research center. Among the electronic resources are ERIC, PsychINFO, Lexis-Nexis, JSTOR, Ebscohost Elite, and Project Muse. Students may access the catalog and electronic resources via internet at www.chc.edu/library. Passwords for databases are available to registered students in the library.

Along with a rare books collection that features British literary works and early Catholic liturgical music, Logue Library houses an Irish Collection specializing in Irish history; and The Brimmer Collection, a Curriculum Library holding children's literature and curriculum materials for grades K-12. The main collection is classified according to the Library of Congress Classification System, while the Curriculum Library uses the Dewey Decimal System.

To borrow books or reserve materials all students MUST have a current College ID with a library bar code sticker attached. Bar codes may be obtained at the circulation desk.

Hours

Monday to Thursday - 8:00am to 12:00 midnight

Friday - 8:00am to 9:00pm

Saturday - 9:00am to 5:00pm

Sunday - 10:00am to 12:00 midnight

Library hours during the summer sessions and breaks are subject to change. Operating hours are posted on the library door, the web site www.chc.edu/library; at the paging desk, and announced on the library voice mail at 215.248.7050.

Staff

Mary Jo Larkin, SSJ, Library Director. Telephone: 215.248.7055. Email: mjlarkin@chc.edu

Regina Maria Brimmer, SSJ, Curriculum Library. Telephone: 215.248.7051. Email: rbrimmer@chc.edu

Marian Ehnou, Circulation. Telephone: 215.248.7052. Email: mehnow@chc.edu

Diane Arnold, Electronic Resources. Telephone: 215.248.7050. Email: arnoldd@chc.edu

Michael Immaculate Keane, SSJ, Periodicals Assistant. Telephone: 215.242.7885. Email: keanemi@chc.edu

Meg Mitchell, Print Collection. Telephone: 215.248.7073. Email: mitchellm@chc.edu

Gail Cathey, Cataloging. Telephone: 215.248.7053. Email: gcathey@chc.edu

Carol Consorto, Interlibrary Loan. Telephone: 215.248.7053. Email: cconsorto@chc.edu

Deborah Green, Admin Assistant to the Director. Telephone: 215.248.7050. Email: greend@chc.edu

Lost and Found

Items that are found on campus should be turned into the Security Desk in the entrance of Fournier Hall.

Parent and Family Relations Office

Alma Rose Schlosser, SSJ, Director of Parent and Family Relations.

Fournier Hall, 1st Floor.

Telephone: 215.753.3796. Email: schlossera@chc.edu

The Parent and Family Relations Office distributes periodic email update blasts as well as a Parent and Family E-Newsletter. All parents and families are welcome to sign up for these electronic communications, which can be done by calling or emailing the Office.

In addition, a proposed *Parent and Family Association* will facilitate opportunities for parents to get involved in a variety of ways. Learn more about the Parent and Family Association at www.chc.edu/parents.

Registrar

St. Joseph Hall, 3rd Floor East Wing.

Telephone: 215.248.7005. Fax: 215.242.7714. Email: registrar@chc.edu.

The Office of the Registrar provides support to the faculty, staff, students, alumni, and the general public in regards to academic policies, guidelines, and procedures enacted and enforced by the federal government, accrediting agencies, the Chestnut Hill College Board of Directors, and the College's administration and faculty members. It is

responsible for upholding and applying the Academic Missions of all divisions within the College as they relate to academic data, and is the central repository for that data.

Office Hours

Regular Hours:

Monday - 9:00am to 5:00pm
Tuesday - 9:00am to 7:00pm
Wednesday - 9:00am to 7:00pm
Thursday - 9:00am to 5:00pm
Friday - 9:00am to 5:00pm

Summer Hours:

Monday - 9:00am to 5:00pm
Tuesday - 9:00am to 6:00pm
Wednesday - 9:00am to 6:00pm
Thursday - 9:00am to 5:00pm
Friday - 9:00am to 1:00pm

Staff

Deborah Ebbert, Registrar. Telephone: 215.248.7069. Email: ebbertd@chc.edu

Theresa M. Coulter-Thurley, Assistant Registrar. Telephone: 215.248.7005. Email: marshallt1@chc.edu

Ann McAdams, SSJ, Associate Registrar (Graduate Studies). Telephone: 215.248.7018. Email: mcadams@chc.edu

Michael Reig, Associate Registrar. Telephone: 215.248.7117. Email: reigm@chc.edu.

Brian Hagermann, Asst. Registrar for Academic Data Integrity. Telephone: 215.248.7760. Email: hagermannb@chc.edu

Marie Scheetz, Asst. to the Registrar (Continuing and Prof. Studies). Telephone: 215.248.7064. Email: scheetzm@chc.edu

Transcripts and Diplomas

The Office of the Registrar prints official transcripts for students in any division, and diplomas for undergraduate and graduate alumni. Transcripts and diploma reprints or duplicates must be requested in writing and there is a fee associated with either request. The Office of the Registrar does not issue unofficial transcripts. A business, health services, library, or athletic hold will prevent the release of either document. These obligations must be satisfied before transcripts or a diploma will be issued. To make a request, print the applicable request from www.chc.edu/registrar and either bring it to the office, fax it, or mail in with required payment as outlined on the request form. Transcripts usually take 7 – 10 days for processing; diplomas take 2 – 3 weeks.

Enrollment/GPA Verification

Chestnut Hill College is a member of the *National Student Clearinghouse*, a non-profit organization that updates federal loan agencies with Full- or Part-time status information for all currently enrolled students, however; if a paper enrollment or GPA verification is needed, it may be obtained in the Office. There is no fee for this service but a signature is required for the release of the information and processing will take 7 – 10 days. Requests for letters may be made online at www.chc.edu/registrar.

Mailing Address

Address all postal correspondence to: **Office of the Registrar/9601 Germantown Avenue/3rd Floor
SJH/Philadelphia, PA 19118.**

Academic Programs, Policies, and Procedures

Core Curriculum

Chestnut Hill College's Core Curriculum, approved by the faculty in 1999 and revised in 2010, is designed to provide students with a meaningful education that is rooted in the College's Mission. Steeped in the liberal arts, the curriculum recognizes the impact of the information-age revolution and addresses career demands of the twenty-first century. The Core Curriculum consists of Fundamental Requirements; *Ways of Knowing* Perspectives; and Proficiencies. Students also take a variety of non-academic credits as part of the core requirements at the College. In addition, students fulfill all of the requirements specified in a major program of study as outlined in this catalog.

The Core Curriculum as it appears here applies to students who matriculate in August of 2011, and to all future classes unless noted in the Catalog for the matriculation year. This includes first-year students; transfer students with fewer than 60 credits; and transfer students with more than 60 credits who do not have "Core-to-Core" status. Interdisciplinary Honors Program (IDHP) students should consult with their IDHP and Faculty Advisors for assistance.

Fundamental Requirements

All students* must complete courses in these Fundamental Requirement areas: Core Seminars; Writing; Religious Studies; Public Speaking; Ethics; and Foreign Language.

* Students participating in the Interdisciplinary Honors Program (IDHP) fulfill some of these requirements in their seminars. Advisors will assist students in this area.

Core Seminars:

These seminars are interdisciplinary and provide opportunities for experiential learning. Topics vary by semester:

ILAR-101: Introduction to the Liberal Arts

This 3-credit course, usually taken in the student's first year, serves both as a second-level writing course and as an introduction to various disciplines within the Liberal Arts. The course helps students to develop the skills introduced in the first-level writing course, with a focus on research and the techniques associated with academic writing. While it is offered in sections with unique emphases, the general writing requirements and grading policy are universal. ILAR-101 takes advantage of our location in Philadelphia by using museums and other sites in the city as part of the overall course experience. Students are expected to make at least two site visits during the semester. Pre-Requisite: ENGL-101 or ENGL-105. ILAR-101 is a Pre-Requisite for all Writing Intensive courses as well as for GLST-201. Not required for IDHP students.

GLST-201: Global Awareness Seminar

This 3-credit course taken after the first year explores the phenomenon of globalization, the economic, political, social, environmental, and cultural roots of global conflicts, the risk of catastrophic confrontations, and the potential of peaceful resolutions. Topics in this course vary depending on the expertise of the teaching faculty and the world situation. Students read world press and literature, are introduced to global theorists and scholars, and communicate with other students and organizations through global communications available through emerging technologies. Experiential learning is incorporated. Also includes a United Nations component and a service learning project. Pre-Requisite: ILAR-101. Not required for IDHP students.

Writing:

Students take up to four courses that focus on developing vital writing and communication skills:

ENGL-101: College Writing or *ENGL-105: Advanced College Writing* or, if participating in the Interdisciplinary Honors Program, *IDHP-200: Writing in the Disciplines*. These courses are designed to introduce students to college-level writing and research. Students must earn a C- or higher to fulfill this requirement.

ILAR-101: Introduction to the Liberal Arts (See above)

One course designated as *Writing Intensive* (designated by a "W" in the course listings). This course may also fulfill a *Ways of Knowing* and/or a course required for the major or minor. ILAR-101 is a Pre-Requisite for all Writing Intensive courses however courses may have additional Pre-Requisites. Check the Course Description for

information. A Writing Intensive course is a Pre-Requisite for all Senior Seminars. (A listing of Writing Intensive courses can be found in the FAQ section of the Catalog.) Not required for IDHP students.

A *Senior Seminar* in the major (course number 498.) The Senior Seminar is the capstone experience for the major and it is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the Faculty Advisor. A Writing Intensive course is the standard Pre-Requisite for Senior Seminar however, departments may have additional requirements. See the course description for specific Pre-Requisites.

Religious Studies:

Every student* will take two courses in Religious Studies including *RLST-104: The Religious Imagination* followed by an RLST-Religious Studies course at the 200-level of the student's choosing.

* Students who wish to apply an IDHP seminar that contains a Religious Studies component towards their Religious Studies requirement will need to take another course in the *Ways of Knowing*.

Public Speaking:

All students take at least one credit in public speaking, usually *PSPK-101: Fundamentals of Public Speaking*. Additional options may be available; check with a Faculty Advisor for registration assistance. Not required for IDHP students.

Ethics:

All students take a course in ethics, usually *ETHS-201: Ethics*. Additional options may be available; check with a Faculty Advisor for registration assistance.

Foreign Language:

Students are required to take one foreign language course at the 103-level or above according to their placement by the Foreign Language Department.

Ways of Knowing Perspectives (WOKs)

Focused on six perspectives, the *Ways of Knowing* component of the Core Curriculum is designed to introduce students to different learning methodologies and strategies for interpreting and understanding the world in which we live. A student may fulfill one *Ways of Knowing* category by virtue of course indicated as *Required in the Major*. A student may use no more than two courses with the same course prefix to fulfill additional *Ways of Knowing* Perspective. Students must complete at least one course in each of the following areas and one additional course in any one area of their choice, for a total of seven courses*:

Artistic (A) (designated by an **A** in the Course Listing): Courses in this category enable students to become aware of, experience, develop, analyze and/or interpret the products of the human imagination in the fine arts.

Behavioral (B): Courses in this category provide students with an understanding of the psychological, sociological, economic, political, and cultural dimensions of human behavior.

Historical (H): Courses in this category evoke an awareness of the development of human societies, examining their political, social, economic, and cultural evolution through the ages.

Literary (L): Courses in this category may cover any of the literary genres and periods and teach students to perform literary/critical analysis of primary texts.

Problem-Solving/Analytical (P): Courses in this category focus primarily on developing skills in systematic analysis. Courses will provide students with the basic ability to reason with conceptual and/or quantitative data to assess the basic conceptual and/or statistical aspects of an argument.

Scientific (S): Courses in this category examine how scientific knowledge is obtained as well as the implications and applications of that knowledge. Emphasis is on how scientists perceive and attempt to understand the natural world.

* IDHP students fulfill all but the Scientific Ways of Knowing Perspectives by virtue of completing the IDHP program. Students who take an IDHP seminar that contains a science component will need to complete a 1.0 credit lab experience in addition to the IDHP seminar. The IDHP and Faculty Advisor will assist students with choosing the right courses to meet the requirements.

Proficiencies

Students are required to demonstrate established proficiency levels either by exam or coursework in Excel; PowerPoint; Researching and Formatting Academic Papers; and Mathematics, in addition to successfully passing a survival skill Swim Test. Students who do not demonstrate proficiency in any of these areas will be required to follow a specified program until the required proficiency level is achieved.

Computer Proficiencies:

Students must demonstrate proficiency in the following areas:

- ~ Microsoft Excel – Introductory level (*CMTC-103: Introduction to Microsoft Excel*)
- ~ Microsoft PowerPoint – Intermediate level (*CMTC-185: Intermediate PowerPoint*)
- ~ Researching and Formatting Academic Papers (*CMTC-120: Research and Formatting Academic Papers*)

If students have sufficient background in any of these areas, they should take a Proficiency Test administered by the Computer Sciences department; if the results are not successful, they register for the 1-credit course indicated above. Courses taken to fulfill a Computer Proficiency must be passed **with a grade of C** or better to satisfy the requirement. Proficiency Test schedules are sent via CHC email several times a semester.

Students completing *EDUC-346: Technology In Education* with a grade of C or better fulfill the Computer Proficiency requirements for Microsoft Excel and Microsoft PowerPoint however they must either take the Researching and Formatting Academic Papers Proficiency Test or pass *CMTC-120: Research and Formatting Academic Papers* with a grade of C or better.

Mathematics Proficiency:

All students* take a Mathematics Proficiency Test as part of the Orientation process. Detailed results of the test are available in Blackboard; a composite score is available on the My CHC Portal. The composite score is used to place students into the appropriate Math course:

Composite: 1	Level 1 Proficient	may take any upper-level Math course for which s/he has the appropriate Pre-Requisite; may not take MATH-121 or MATH-122 for credit.
Composite: 2	Level 2 Proficient	may take any upper-level Math course for which s/he has the appropriate Pre-Requisite.
Composite: 3	Level 3 Not Proficient	must earn a grade of C or better in either MATH-121 or MATH-115, depending on the major, or may retake the proficiency test and pass both parts.
Composite: 4	Level 4 Not Proficient	must take MATH-100** and then earn a grade of C or better in MATH-121 or MATH-115 or retake the proficiency test and pass both parts.
Composite: 99 (Core-to-Core transfer students only)	Proficient for graduation, but not permitted to take any additional Math courses at the College without first passing the Test	

* Students with a transferred course equivalent to MATH-203: Calculus and Analytic Geometry I or MATH-211: Calculus and Modern Analysis I or above do not need to take the test. The Office of Advising will assist those students with registration

**MATH-100 is non-academic credit.

Swim Test:

All students in the School of Undergraduate Studies are required to pass a Swim Test. The test consists of a head-first entry into the pool; swimming two lengths; three minutes of floating; and two minutes of treading water. **The test is strictly a survival swimming test and not a stroke proficiency test.** Students who cannot swim should

register for *PHED-115: Beginner Swimming* where they will learn the skills necessary to survive in the water. Students with Lifesaving Certification are exempt from the Swim Test if they provide their identification card for verification.

Non-Academic Requirements

Non-academic credits are earned for courses that may be required for graduation, but the credit earned for them is not included in the 120 Academic Credit minimum required for graduation. These courses are graded Pass/Fail only. Failures in a P/F course lower the GPA; a grade of P is not calculated as part of the Career Grade Point Average. The following non-academic courses are required for all students in the School of Undergraduate Studies:

FYIN-100: First-Year Initiative – taken in the student’s first semester.

FYIN-101: Career Connections – students may meet this requirement in a variety of ways including registering for and successfully completing an internship, fieldwork, practicum, or student teaching course. The Career Services Office will advise students on the options available.

Physical Education: Each student must successfully complete two credits of Physical Education (PHED) courses, or participate in a Varsity sport (VARS) for a minimum of two semesters.

Core-to-Core Transfer Student Requirements

Please note that Core-to-Core requirements may vary depending on the transferring institution. Information presented here is a general overview and not meant to encompass every facet of the Core-to-Core agreements with every institution. An Admissions or Advising representative at the College will be able to assist students in understanding the exact requirements for the Core-to-Core agreement pertaining to them.

An official transcript noting the conferral date from the approved transfer institution must be received in order for a student be reviewed for Core-to-Core status.

Approved Core-to-Core students entering in the Fall of 2011 or Spring/Summer of 2012 follow an alternative Core Curriculum as follows:

Fundamental Requirements

Core Seminars:

Most Core-to-Core students are not required to take ILAR-101 or GLST-201 however they may be taken as electives if the student desires. Note - students graduating from the Community College of Philadelphia must take GLST-201.

Writing:

All transfer students, including Core-to-Core candidates, are required to take the Writing Placement Exam and may be strongly encouraged to complete additional English courses before continuing on with their studies. The English Department will recommend appropriate courses based on the results of the Writing Placement Exam.

Religious Studies:

Unless transferring in equivalent courses, Core-to-Core students must take two courses in Religious Studies including *RLST-104: The Religious Imagination* followed by an RLST-Religious Studies course at the 200-level of the student’s choosing.

Public Speaking:

Core-to-Core students are not required to fulfill the Public Speaking requirement.

Ethics:

Core-to-Core students are not required to fulfill the Ethics requirement.

Foreign Language:

Core-to-Core students are not required to fulfill the Foreign Language requirement.

Ways of Knowing Perspectives (WOKs)

Core-to-Core students are not required to fulfill the *Ways of Knowing* Perspectives.

Proficiencies

Computer Proficiencies:

Core-to-Core students are not required to fulfill the Computer Proficiencies.

Mathematics Proficiency:

Core-to-Core students are considered Math Proficient for graduation however they not permitted to take any additional Math courses at the College without first passing the Math Proficiency Test with a score of 1 or 2.

Swim Test:

All transfer students including Core-to-Core students are required to pass the Swim Test.

Non-Academic Requirements

Core-to-Core students are not required to fulfill the Non-Academic Requirements.

Courses to Promote Academic Success

Some students are required to enroll in courses designed to help them prepare for a successful undergraduate experience. Credits for these courses do NOT count towards the minimum credits required for graduation however the grade received is factored into the GPA.

LSTR-100: Creating Success: Skills for Success in College and Life

The student will learn many proven strategies for creating greater academic, professional, and personal success. Topics that promote student success include: personal responsibility, self-motivation, time (self) management, interdependence, self-awareness and emotional intelligence. Any student may register to take this class. LSTR-100 is required of some students as determined by SAT scores, placement scores and/or GPA. Credits earned are not applicable towards graduation.

LSTR-102 : Creating Success: Reading and Writing Across the College Curriculum

The student will learn many proven strategies for creating greater academic success, through a variety of reading and study skills, specifically reading and understanding college level materials effectively. Any student may register to take this class. LSTR-102 is required of some students as determined by SAT Critical Reading scores, placement scores and/or GPA. Credits earned are not applicable towards graduation.

MATH-100: Developmental Math: Basic Skills and Principles

May be required following Math Proficiency testing. Credits earned do not apply towards the total required for graduation.

Degrees

Chestnut Hill College awards the following undergraduate degrees: Associate of Arts (AA); the Bachelor of Arts (BA); the Bachelor of Science (BS); and the Bachelor of Music (BM). Only one undergraduate degree may be earned at a time. Students who pursue a double major that crosses degree programs will need to choose a primary program for which the diploma is issued. Transcripts reflect a second major or minor, however, only one diploma is issued.

Graduation Requirements

In addition to meeting all of the stated Core Curriculum Requirements (academic and non-academic), a student must apply for graduation with the Office of the Registrar, and pay the graduation fee. A candidate for graduation must hold a minimum Career Grade Point Average of 2.00 and a minimum Major GPA of 2.00. Although not required, a Degree Audit (Exit Interview) with the Office of the Registrar is recommended in the Junior year.

Major Studies

Departments may require a maximum of fifteen courses in the major. Courses in the major above the fifteen course limit may be counted as electives. The minimum number of academic credits required for graduation is 120, however; majors may differ in that requirement. Read the major descriptions carefully to determine the number of credits needed for graduation for a specific major. Students may major in one, or two, of the following areas:

Accounting
Biology
Biochemistry

History
Human Services
International Business, Language and Culture

Chemistry
 Communications
 Communications and Technology
 Computer and Information Sciences
 Computer and Information Technology
 Criminal Justice
 Early Education (Pre-K to 4)
 English Literature
 English Literature and Communications
 Environmental Sciences
 Forensic Biology
 Forensic Chemistry
 French

Management
 Marketing
 Mathematical and Computer Sciences
 Mathematics
 Middle-level Education (Grades 4 to 8)
 Molecular Biology
 Music Performance
 Music Education
 Political Science
 Psychology
 Sociology
 Spanish

Individualized Major

A student who desires an individualized major designs a program combining at least two disciplines, at least one of which is an existing major. An individualized major is not a double major. In consultation with a faculty advisor and with the support of the involved department chairs, the student prepares a program and submits it to the Dean of the School of Undergraduate Studies for approval. Criteria for acceptance include the coherence of the program, its rationale, and the rigor of its curriculum. Application should be made by the second semester of the Sophomore year or upon completion of 45 credit hours.

The student must work with an academic advisor. With the support of the involved department chairs, the student and the advisor will develop a plan of study to be approved by the Dean of the School of Undergraduate Studies. Application forms may be obtained from the Office of the Dean, School of Undergraduate Studies, St. Joseph Hall, 3rd Floor.

In order to be eligible, the student must have and maintain a career GPA of 3.2. Requirements for the individualized major will include a minimum of 12 courses relevant to the area of study, with no more than 25% at the 100 level. This will include a Senior Seminar supervised by a department with an existing major determined by the student's advisor and approved by the Dean of the School of Undergraduate Studies. Title of the major will be determined in consultation with the Dean and the student's advisor.

Double Major

Students are permitted to major in two disciplines if they have earned a career GPA of 3.20 or better with a minimum of 24 academic credits earned, and make their application before the completion of 75 academic credits*. Students who major in two disciplines need to fulfill the requirements of each department; Core Requirements need to be completed only once. To double major, the student needs the permission of the Chairs of both departments and must submit a proposal to the Dean of the School of Undergraduate Studies for final approval. Forms for the double major may be obtained from the Office of the Registrar, St. Joseph Hall, 3rd Floor.

* Exceptions may be granted by the Dean of the School of Undergraduate Studies.

Minor Studies and Certificate Programs Departmental and Inter-Departmental Minors

Students who wish to pursue a minor in any discipline must obtain a form from the Office of the Registrar. This form should be taken to the chair of the department in which the student wishes to minor. A student may not have more than two minors. A student may choose to minor in one, or two, of the following areas:

Art History	History	Psychology
Art Studio	Human Services	Religious Studies
Biochemistry	Information Management	Religious Studies and Philosophy
Biology	International Business	Secondary Education
Chemistry	Jazz Performance	Sociology
Communications	Latin/Classical Civilization	Spanish
Computer Science	Management	Special Education
Creative Writing	Management Information Systems	Web/Multimedia Design
Criminal Justice	Mathematics	Women's Studies

Digital Forensics	Molecular Biology
English Literature	Music
Environmental Sciences	Peace and Justice
Foreign Language	Philosophy
French	Political Science
Gerontology	Programming

Certificates

- ~ Certificate in Montessori Education – contact Janet Colaianne, MEd. Email: colaianij@chc.edu.
- ~ Certificate in International Studies – contact Mary Helen Kashuba, SSJ, DML. Telephone: 215.248-7124. Email: kashubam@chc.edu
- ~ Certificate in Religious Education – contact Patrick McCauley, PhD. Telephone: 215/753-3657. Email: mccauleyp@chc.edu.
- ~ Certificate in Intercultural Foundations – contact Tia Pratt, PhD. Email: prattt@chc.edu.

Interdisciplinary Honors Program

The Chestnut Hill College Interdisciplinary Honors Program (IDHP) is designed to challenge students to pursue a creatively different approach to the liberal arts. Please refer to the Interdisciplinary Honors Program section of the catalog for more information. Interested students may apply for the complete Interdisciplinary Honors Program, or for a single Honors seminar (please note that registration is limited and preference is given to students pursuing the complete program.) For more information, please contact Kathleen Duffy, SSJ, Room 4 St. Joseph Hall. Telephone: 215.248.7197. Email: kduffy@chc.edu.

Special Degree Programs Combined Programs

The **BA in Psychology/MS Program in Counseling Psychology** provides the opportunity for exceptionally qualified students to work on a bachelor's degree and a master's degree simultaneously. This program allows study at undergraduate and graduate levels in a parallel format, creating a rewarding and challenging program to focused, qualified students. This offers a financial benefit in that tuition is paid at the undergraduate rate in the Fall and Spring semesters, even while the student is enrolled in graduate courses. This results in a substantial savings in tuition costs. (Graduate courses taken in the Summer are billed at the graduate rate.) The BA/MS program is a professionally-oriented program that will admit only those applicants who are committed to a career in counseling psychology. Admission interviews conducted by members of the BA/MS program are required to assess the applicant's readiness to pursue a successful professional career in counseling psychology. To obtain more information about admission to the program, please see the Psychology section or contact Dr. Lynn Brandsma, Room 3, St. Joseph Hall. Telephone: 215.248.7049. Email: brandsmal@chc.edu.

The Chestnut Hill College Department of Education's combined **BS in Education/MEd Program with Special Education Certification** will enable students to earn certification in Early Education (Pre-K-4) and a master's degree in Education with Special Education Certification in a single program of approximately five years. Applicants will need to maintain a 3.00 GPA throughout their program in order to be approved for certification. In the beginning of the fifth year students will have additional course work and practicum experiences involving exceptional children in the regular school setting as well as programs in the community serving children who require more extensive academic and/or behavioral supports. The Senior year incorporates beginning course work in special education while completing the elementary certification program. The overall goal of this program is to prepare teachers to teach in a classroom with children who have exceptional educational needs while at the same time providing them with experiences working with children in separate community-based settings. To obtain more information about admission to the combined BS/MEd in Elementary Education with Special Education Certification, please contact Carol Pate, 4th Floor St. Joseph Hall. Telephone: 215.248-7155. Email: cmpate@chc.edu.

Chestnut Hill College offers a combined **BS in Computer and Information Sciences or a BS in Computer and Information Technology and an MS in Instructional Technology** in approximately five years. Qualified students have the opportunity to complement a rigorous undergraduate computer science curriculum or a multi-strand undergraduate technology curriculum with a master's program that provides a strong technical and theoretical foundation for teachers, members of the academic community, and e-learning professionals. This program will prepare graduates to assume positions in such challenging areas as web page technology and multimedia design and production, and gain access to leadership opportunities in both the corporate and academic worlds. Qualified students

enrolled in this program begin taking graduate courses after their Sophomore year as they continue to pursue their undergraduate studies. Students are charged undergraduate rate tuition for both undergraduate and graduate courses during the regular academic year for the first four years. Students who are considering this program should have a high school GPA of at least 3.00, and minimum combined SAT scores (Critical Reading and Math) of 1000. In addition, admissions interviews conducted by members of the undergraduate and the graduate programs are required. To obtain more information about admission to the combined BS/MS in Computer Information Sciences/Technology and Instructional Technology, please contact Lisa Olivieri, SSJ, Room 201 St. Joseph Hall. Telephone: 215.248.7155. Email: lolivier@chc.edu or Yefim Kats. Email: katsy@chc.edu.

The combined **BS in Human Services/MS in Administration of Human Services** provides an excellent opportunity for qualified Human Services majors in the School of Undergraduate Studies to complete the MS degree in Administration of Human Services in the School of Graduate Studies. Students majoring in Human Services are eligible to apply to the program once they have achieved Senior status. Transfer students must take a minimum of 15 credits at Chestnut Hill College and earn a Career 3.00 GPA in these courses before making application to the program. Each student will be expected to meet the admissions requirements of the School of Graduate Studies and be provisionally accepted into the program before registering for any graduate courses. Formal acceptance will be granted upon receipt of a transcript verifying successful completion of the undergraduate degree program. For more information, please contact Nancy DeCesare, SSJ, Room 202, St. Joseph Hall. Telephone: 215.248-7028. Email: decesaren@chc.edu.

Dual-Degree Programs

Chestnut Hill College and *Arcadia University* cooperate in offering a dual-degree program leading to a Bachelor of Science in Biology, Bachelor of Science in Molecular Biology, or Bachelor of Science in Chemistry at Chestnut Hill College and the Master of Medical Science: Physician Assistant Program (MMS) at Arcadia University. This is a '4+2' agreement in which qualified Chestnut Hill College students meeting the criteria will be admitted to the Physician Assistant Program at Arcadia University. Students interested in this program should contact the Chair of Biology or the Chair of Chemistry.

The *College of Health Professions of Thomas Jefferson University* cooperates with Chestnut Hill College in offering dual-degree programs leading to the Bachelor of Science in Biology or Chemistry, or the Bachelor of Science in Medical Technology, Biotechnology, Cytotechnology, or Cytogenetic Technology. After four to six semesters at Chestnut Hill, students who meet established criteria will be admitted to upper division courses in the College of Health Professions at Thomas Jefferson University. The program may require summer study in addition to regular sessions. The College of Health Professions also offers a 12 month Post-baccalaureate Certificate Program for students who wish to complete their undergraduate degrees in Biology or Chemistry entirely at Chestnut Hill College.

Grades and the Grading System

Chestnut Hill College uses an unweighted 4.00-scale grading system.

Letter	Quality Points Earned	Description
A	4.00	Superior: Superior mastery of subject matter, with evidence of independence and originality of thought.
A-	3.70	
B+	3.30	Good: Above average mastery of subject matter.
B	3.00	
B-	2.70	
C+	2.30	Satisfactory: Acceptable mastery of subject matter.
C	2.00	
C-	1.70	
D+	1.30	Low Pass: Limited mastery of subject matter.
D	1.00	
F	0.00	Failure: Deficiency in subject matter.

P	0.00	Satisfactory performance in courses that are graded Pass or Fail.
WF	0.00	Withdrawal failure: Given when students withdraw after the approved time period.
Grade+N		Indicates the course is non-academic and the credits earned do not factor in the Career Total. (Examples: PN; B+N.)

Pass/Fail Grading Option

Students having earned at least 24 academic credits may take up to 4 credits per semester of electives on a Pass/Fail (P/F) basis. The total number of P/F courses taken may not exceed 18 credits. Electives are defined as any course not required for a major or minor or the core curriculum. A course may be taken P/F (even a course in the major department), but it will count as an elective and will therefore not be counted toward the requirements for the major or the minor. The only P/F credits that may be counted towards a major or minor requirement are those earned for fieldwork, internships or practica at the discretion of the department.

Requests to change the grading option must be received in the Office of the Registrar by the deadline published in the Academic Calendar. Instructor's permission is required to change the grading option of a course after the drop/add deadline as published in the Academic Calendar.

Academic credits earned P/F count towards the minimum 120 credits required for graduation. Failures in a P/F course lower the GPA; a grade of P is not calculated as part of the Career GPA. Students may change their status from a standard letter grade to P/F only with permission of the instructor.

Auditing

Students with Senior status may audit (AU) a course if enrollment permits. The credit hours are counted for billing purposes; however they are not counted towards graduation. A grade of AU appears on the official transcript.

Requests to change the grading option must be received in the Office of the Registrar by the deadline published in the Academic Calendar. Instructor's permission is required to change the grading option of a course after the drop/add deadline as published in the Academic Calendar.

Incomplete Grades

A student may request a grade of Incomplete ("I") from the faculty member of a given course. However, Incomplete grades are discouraged and **are granted for serious reasons only** (e.g., sickness requiring medical intervention and care, a death in the family, unexpected and unavoidable circumstances which preclude the completion of work on time). Requests made after the last class or final exam meeting will not be accepted or approved. The granting of an "I" is left to the discretion of the faculty member, department chair and Director of Academic Advising. The following procedure must be observed:

- 1) The student approaches the faculty member to discuss the reasons for the request. Reasons for such a request must be serious and/or unforeseen, and cannot be remedied in another way within the time frame of the semester. Requests should normally be made prior to the last week of classes. If the faculty member discerns that the reason(s) for the request is reasonable and justified, the faculty member and student discuss the requirements for the completion of the course including a time-line for the submission of required materials/assignments. The time-line must not exceed beyond 6 weeks after the final exam meeting.
- 2) The student then obtains a "Course Incomplete" form from the My CHC Portal or the Office of Academic Advising. The student completes the form and then presents it to the faculty member for review and for his/her signature. After the faculty member signs the form, the student then takes the form to the Department Chair for his/her signature and then returns the form to the Office of Academic Advising.
- 3) The Office of Academic Advising will sign the form, retain a copy and then return copies to the following individuals: 1) the faculty member; 2) the Department Chair; 3) the student requesting the Incomplete, 4) the Office of the Registrar.

The student assumes full responsibility to make sure that all the requirements are fulfilled and submitted to the Instructor in a timely manner. **If the work is not completed and submitted at the end of the day designated by the Instructor, then the student will automatically receive a grade of "F"**. The faculty member will grade all the material and submit the grade to the Registrar via CHC email by the deadline. If the course

is a pre-requisite, the Incomplete grade must be finalized before the student can register for the next course in the sequence.

The **maximum time frame** for completion of incomplete work is **6 weeks after the final exam meeting**. The time line cannot be extended once it is agreed to and submitted to the Office of Academic Advising. For exceptional circumstances that are fully documented, the deadline may be extended with written approval of the Dean of the School of Undergraduate Studies. To obtain this special approval the student must submit the reasons for the extension in writing to the Dean after having received approval from the Instructor for the extension.

Repeated Courses To Earn a Better Grade

A student may repeat a course in an effort to earn a better grade. The student must repeat the exact course and do so at Chestnut Hill College. Academic credits for a course may be earned only once unless the course is designated repeatable for credit. There is no limit to the number of times a student may repeat a course to earn a better grade. If a student repeats a course, only the highest grade earned by the student will be used to calculate the student's GPA. The lower grade(s) will be forgiven in the calculation of the student's GPA. However, all instances of a course and all grades earned will appear on the student's transcript. If a grade is replaced in the calculation of a student's GPA, the forgiven grade will be marked with an asterisk (*) on the student's transcript and the **higher** grade will be marked with an "R" for Repeated.

Accumulated Credit

Certain courses may be repeated and the credits accumulate towards graduation. The course description indicates courses that are "repeatable for credit." Special Topics courses are, in most cases, repeatable for credit.

Courses Required for a Major or Minor

The minimum grade requirement in courses required for a major or a minor (including those courses outside of the major department) is C- (1.70). All courses for a major or a minor are indicated in the Degrees and Programs section. This policy applies to all courses taken by all students in the School of Undergraduate Studies from Fall 2007 forward.

Withdrawal Guidelines From a Course

Students are permitted to withdraw from a course or courses with permission of a Faculty Advisor until the date indicated on the Academic Calendar. The student must speak with a Faculty Advisor before deciding to stop attending a course. Students should also speak with Financial Aid, Athletics, and International Student Services, as appropriate, before meeting with the Faculty Advisor to discuss withdrawing. Withdrawing may not be ideal; the Faculty Advisor will approve a withdrawal only after ensuring the possible academic and financial consequences are understood. Once a course has been withdrawn, it cannot be reinstated without the permission of the Dean of the School of Undergraduate Studies. The Change of Registration Form is available on the My CHC Portal in the Handouts section or in the Office of the Registrar. Emailed requests are not accepted.

From the College Completely

A student who wishes to withdraw from all current courses in the School of Undergraduate Studies, and effectively from Chestnut Hill College, must notify the Office of Academic Advising in writing. The Change of Enrollment form may be obtained from the Office of Academic Advising, St. Joseph Hall, 3rd Floor. Telephone: 215.248-7199. Fax: 215/753-3661. Email: advising@chc.edu.

Leave of Absence

A student may interrupt his/her college program by requesting a Leave of Absence for up to two consecutive semesters. A student who does not re-enroll by the end of the Leave of Absence, a maximum of one year, must reapply for admission to the School of Undergraduate Studies if he/she wishes to return to the College. Students on Academic Warning or Probation at the time of the Leave of Absence maintain that status upon their return even if they must reapply to the College.

There is no limit to the number of Leaves a student may take. During a Leave of Absence the student is not considered to be enrolled at the College, which may affect the continuation of student-related benefits such as loan deferment or health insurance eligibility. Before making the decision to take a Leave of Absence, students are strongly

advised to contact Financial Aid, Academic Advising, and any third-parties providing status-dependant services to discuss the possible ramifications. A Change of Enrollment form may be obtained from the Office of Academic Advising, who will also be able to assist with registration once the Leave has ended.

Grade Reports

Reports for either Mid-term or Final Grades are available to current students via the My CHC Portal – <https://my.chc.edu>; no grade reports are mailed unless requested in writing within 2 weeks of the end of the semester. Former students and alumni wishing to view their grades must request an official transcript. Parents wishing to have grades mailed to them must make the request in writing and must be listed on the student’s account as a FERPA waived-contact. Mail requests to: Office of the Registrar, 9601 Germantown Avenue, Philadelphia, PA 19118 or fax to 215.242.7714. Requests should include the student’s name and ID number and must be signed by the parent. Please allow 7 – 10 days for processing via US mail. Grade reports will not be emailed or faxed.

Grade Appeals

After a grade, either mid-term or final, has been submitted to the Office of the Registrar, it may not be changed unless the instructor has made an error in the calculation. A change of submitted grade must be requested within the appropriate time frame by following the official process. A student who wishes to appeal a grade should proceed in the following steps. Keep a written record of the relevant dates. Consult the catalog of the school in which the course was taken. **NOTE:** In cases where the appeal decision will determine whether or not the student may register for the next sequential course, the process may be expedited appropriately. In such cases, the student should arrange the schedule of deadlines with the appropriate Dean at the time of initiating the appeal.

- 1) The student should contact the faculty member within thirty days (School of Undergraduate Studies – SUS and School of Graduate Studies -SGS) or ten days (School of Continuing Studies/ACCELERATED -SCPS) of the grade submission deadline (see Academic Calendar).
- 2) The student is encouraged to try to resolve the issue through conversation with the faculty member who has given the grade.
- 3) If the issue cannot be resolved by conversation, the student may submit a written appeal to the faculty member, along with any relevant materials (papers, tests, assignments, etc.), within ten days (SUS and SGS) or five days (SCPS). The faculty member should respond within one week of receiving the request with a written statement to the student detailing the reasons for the grade.
- 4) If the issue remains unresolved by the consultation with the faculty member, the student may, within ten days (SUS and SGS) or five days (SCPS) of receiving the faculty member’s written response, appeal in writing to the chair of the appropriate department, stating the reasons for the disagreement and presenting evidence in support of the appeal. The chair will respond in writing within two weeks of receiving the written appeal. If the written appeal is received by the chair between June 1 and the beginning of the Fall semester, this deadline is postponed to September 15 the (SUS and SGS) or five days (SCPS) of receiving the chair’s response, appeal in writing to the appropriate Dean.
- 5) The Dean will form an ad hoc committee to review the issue. This committee will consist of the Dean and three faculty members chosen in the best interest of the matter at hand. The ad hoc committee will convene as soon as possible. The appropriate Dean will forward all relevant materials to the ad hoc committee in sufficient time for them to be reviewed prior to the meeting. The student and the faculty member will present their arguments before the ad hoc committee in one another’s presence and will both answer questions from the committee. The committee will then review the evidence in private and reach a decision.
- 6) The committee will immediately communicate its decision to the appropriate Dean, who will notify the student of the final decision in writing

Grade Changes After Submission

An Instructor may neither assign nor accept any additional work after submitting the final grade. The possibility of having a final grade changed is not a substitute for requesting an Incomplete. If the Instructor is no longer employed at the College, or is otherwise incapacitated, the Chairperson of the Department is permitted to assign a grade and/or change a submitted grade to rectify a calculation error.

Mid-Term Grades

Mid-term grades are issued to all First-year students, transfer students who have not earned/transferred more than 24 academic credits; student athletes; and students on Academic Warning or Probation. Mid-term grades are for informational purposes only – they are not part of the student’s academic history and do not “automatically” calculate into the Final Grade. Grades may be viewed on the My CHC Portal; no unsolicited mailers are sent regarding grades.

Transfer students are considered First-year for registration purposes until an official and final transcript has been received and evaluated. Mid-term grades may be issued to other students at the Instructor's discretion.

Academic Actions Academic Warning

An Academic Warning serves as a caution to the student that she/he is in danger of not attaining the necessary Career GPA (2.00) to graduate from Chestnut Hill College. The student may be placed on Academic Warning if his/her cumulative GPA falls below:

- ~ 1.75 prior to the completion of 30 credit hours
- ~ 2.00 prior to the completion of 60 credit hours

Academic Probation

A student is automatically placed on Academic Probation if his/her Career GPA falls below:

- ~ 1.75 at the completion of 30 credit hours
- ~ 2.00 at the completion of 60 credit hours

Students on Academic Probation are limited to a 12 academic credit course load. This may affect a student's graduation date. **A student who falls below the required GPA or fails to complete 66% of attempted credits is also in danger of losing his/her financial aid.**

Students on Academic Probation are required to meet with the Office of Academic Advising on a routine basis to discuss academic progress. Failure to attend these meetings may factor into the decision to continue Academic Probation into the next semester.

Academic Dismissal

A student on Academic Probation is expected to raise his/her level of performance after one semester. A student on Academic Probation for two consecutive semesters (maximum) who fails to demonstrate the ability to achieve a minimum Career GPA of 2.00 shall be dismissed from the College. Students who are academically dismissed from the College will receive a certified letter detailing the reason(s) for the dismissal.

To be considered for re-instatement after Academic Dismissal, a student must:

- ~ Complete at least 12 credits, usually 24, at another accredited institution with a grade of C or better
- ~ Hold a cumulative GPA of 2.0 or above at that institution
- ~ Write the Academic Review Board (in care of the Director of Academic Advising) an official request for readmission detailing the coursework completed and the steps that will be taken to ensure academic success at Chestnut Hill College

Once those criteria have been met the student may reapply to the College following the standard Readmission Guidelines.

Students reinstated from Academic Dismissal will be placed on Academic Probation and will be limited to a 12 academic credit course load. Students on Academic Probation are required to meet with the Office of Academic Advising on a routine basis to discuss academic progress. Failure to attend these meetings may factor into the decision to continue Academic Probation into the next semester.

Good Academic Standing

A student with a Career GPA of 2.00 or above is considered to be in "good academic standing." Letters affirming good academic standing are available from the Office of the Registrar and must be requested in writing.

Credit Load/Overload

An undergraduate student enrolled for 12 or more academic and/or non-academic credits is considered a Full-time student. A normal credit load is 15 academic credits however, students in special programs and those on Academic Probation may have additional limitations. The Office of Advising will work with those students to ensure guidelines are met.

To enroll for more than 17 hours in a semester, the student must have a term GPA of 3.20 or above for the most recent full-time semester completed. In cases where the demands of a department's schedule require a student to

enroll for more than 17 hours, an exception to the minimum GPA of 3.20 may be made. Please note that such an exception requires the permission of both the advisor and the Office of Academic Advising.

Additional tuition, at the current per credit rate, will be charged for all academic credits beyond 18. Please contact the Office of Advising for assistance and information. St. Joseph Hall, 3rd Floor. Telephone: 215.248-7199. Fax: 215/753-3661. Email: advising@chc.edu.

Class Level

Undergraduate class level is determined by the number of academic credit hours earned by the student. Level is calculated using credits earned at the College or transferred in to date, currently enrolled courses are not included in that calculation. For *Sophomore* status, a student must have completed 24 academic credits; for *Junior* status, 54 academic credits; for *Senior* status, 84 academic credits.

Online registration is opened for students by class: Seniors have first choice, followed the next day by Juniors, Sophomores, then Freshman/unverified transfer students. Transfer students are considered Freshman for registration purposes until an official and/or final transcript has been received and evaluated.

Advanced Placement Credits

Chestnut Hill College accepts Advanced Placement credits* with a score of 3, 4, or 5. A student may receive up to 4 credits per exam, depending on the equivalent college course and contingent on departmental approval. A student may receive credit for a General Education or Elective course with a score of 3. A score of 4 or 5 may be applied to courses required for the major. The individual department will make all final decisions regarding the allocation of AP credits. Departments may waive certain courses based on the AP score, but the student is responsible for the total required number of hours in the major and the Core Curriculum.

***Exceptions/Information:**

BIOLOGY: Students that have attained a score of 3 on the Biology exam will receive 4 credits equivalent to *BIOL-111: Principles of Biology I*, which fulfills the *Scientific Ways of Knowing*. Students with a score of 4 or 5 will receive 4 credits equivalent to *BIOL-112: Principles of Biology II*, which also fulfills the *Scientific Ways of Knowing*. A maximum of 4 credits may be applied based on the qualifying Biology test score.

BUSINESS: Students who receive a score of 3, 4, or 5 in Microeconomics will receive 3 credits equivalent to *ECON-102: Principles of Microeconomics*. Students who receive a score of 3, 4, or 5 in Macroeconomics will receive 3 credits equivalent to *ECON-101: Principles of Macroeconomics*.

CHEMISTRY: A grade of 5 will be considered equivalent to completion of *CHEM-132: Principles of Chemistry II* and the student will receive 4 credits. A grade of 4 will be considered equivalent to completion of *CHEM-131: Principles of Chemistry I* and the student will receive 4 credits. For a grade of 3 the student will be awarded 4 credits that will fulfill the *Scientific Ways of Knowing* requirement. A maximum of 4 credits may be applied based on the qualifying Chemistry test score.

ENGLISH: For a score of 4 or 5 on the English Language and Composition Exam the student will receive 3 credits equivalent to *ENGL-101: College Writing*. The student may be invited to enroll in *ENGL-105: Advanced College Writing* based on the results of the English Placement Exam. A score of 4 or 5 on the English Literature Exam will be accepted as three elective credits in English at the discretion of the department.

ENVIRONMENTAL SCIENCE: A score of 3, 4 or 5 will be considered equivalent to completion of *BIOL-106: Ecology and Environmental Issues*. 4 credits, which fulfill the *Scientific Ways of Knowing* requirement, are applied.

HISTORY (American/European/World): 3 credits are given to those students who have attained a score of 3 or better on the test(s). Each test is equivalent to 3 credits; a total of 9 credits may be awarded. The credits are counted as electives; they do not replace courses required for graduation in the History major nor do they fulfill the *Historical Ways of Knowing*.

LANGUAGES: A score of 3 in Language or Literature is equivalent to the 103 course in the respective language, worth 3 credits. This satisfies the Core Foreign Language requirement. A score of 4 or 5 in Language is equivalent to any *Language-221: Advanced Grammar and Composition*, which also satisfies the requirement. A score of 4 or 5 in

Literature is equivalent to an introductory course in literature, assigned at the discretion of the Department, and is worth 3 credits. This also satisfies the requirement.

MATHEMATICS: Students who earn a score of 3 in Calculus AB will receive 3 credits for *MATH-203: Analytic Geometry and Calculus I*. Students who earn a score of 4 or 5 in Calculus AB or a score of 3 in Calculus BC will receive 3 credits for *MATH-204: Analytic Geometry and Calculus II*. Students who earn a score of 4 or 5 in Calculus BC will receive 3 credits for *MATH-212: Calculus and Modern Analysis II*. Students who earn a 3 in Statistics will receive 3 credits for *MATH-227: Introduction to Statistics*. Students who earn a score of 4 or 5 in Statistics will receive 3 credits for *MATH-262: Probability and Statistics*. A maximum of 6 credits may be applied based on the qualifying Mathematics test score. Any of the above fulfills the Problem Solving *Ways of Knowing* requirement.

MUSIC: The College does not accept scores from the Advanced Placement Music Theory examination as an equivalent.

PHYSICS: A grade of 4 or higher in Physics B: Mechanics will be considered equivalent to *PHYS-121: Principles of Physics I* and the student will be awarded 4 credits. A grade of 4 or higher in Physics B: Electricity and Magnetism will be considered equivalent to *PHYS-122: Principles of Physics II* will be awarded 4 credits. A student with a grade of 3 or higher in Physics B: Mechanics and/or Physics B: Electricity and Magnetism awarded either 3 or 4 credits (depending on whether the course had a laboratory component) that will count towards fulfilling the Scientific *Ways of Knowing* requirement. For a grade of 3 or higher on the Physics C exam the student will be awarded either 3 or 4 credits (depending on whether the course had a laboratory component) that will count towards fulfilling the Scientific *Ways of Knowing* requirement.

POLITICAL SCIENCE/GOVERNMENT: For a grade of 4 or 5 on the American Government the student will be awarded 3 credits equivalent to *PSCI 113: American Political Process*, which fulfills the Behavioral *Ways of Knowing*. For a grade of 4 or 5 on the American Government the student will be awarded 3 credits equivalent to *PSCI-230: Introduction to Comparative Politics*, which also fulfills the Behavioral *Ways of Knowing*. A student who has earned a score of 3 on the American Government test and/or the Comparative Government test will be awarded 3 elective credits for each. Electives do not fulfill *Ways of Knowing* or major requirements.

PSYCHOLOGY: An Advanced Placement test scores of 3 or higher will be accepted as 3 credits equivalent to *PSYC-101: General Psychology*

Graduate-Level Courses

A student may begin work in the School of Graduate Studies while fulfilling the requirements for an undergraduate degree if the student's academic performance justifies such action. Graduate-level credits earned in excess of those required for the undergraduate degree may be applied towards an advanced degree when the credits earned are not applied towards the undergraduate degree. The student must have Senior status, a Career GPA of 3.00, and permission of the department chair and Dean of the School of Graduate Studies. The combined number of graduate and undergraduate credits may not exceed 15 per semester. Registration is on a space-available basis; the student must comply with any required course sequencing and must fulfill all prerequisites. Full-time undergraduates who register for both undergraduate and graduate courses pay no additional tuition or fees. Part-time undergraduates, and those taking graduate-level Summer courses, must pay the graduate tuition rate.

Course Agreements With Other Institutions

Office of the Registrar, St. Joseph Hall, 3rd floor

Telephone: 215.248.7005. Fax: 215.242.7714. Email: registrar@chc.edu

The cooperative agreement with **LaSalle University** enables full-time undergraduate students to take courses at LaSalle during the Fall and Spring semesters at no extra charge. Students receive full credit for these courses which are included in the Chestnut Hill College GPA. Students need the permission of their academic adviser to take courses at LaSalle University and should register for these courses through the Office of the Registrar.

The **Sisters of St. Joseph Association of Colleges Student Exchange Program** offers Chestnut Hill College students the opportunity to enrich their educational experience by studying for a semester or a year at one of seven other colleges founded and/or operated by the Sisters of St. Joseph: Avila College (Kansas City, MO); Elms College (Chicopee, MA); Fontbonne College (St. Louis, MO); Mount St. Mary's College (Los Angeles, CA); Regis College

(Weston, MA); The College of St. Catherine (St. Paul, MN); and The College of St. Rose (Albany, NY). Contact the Director of Academic Advising for information.

Chestnut Hill College full-time undergraduate matriculated students paying full-time tuition may register for up to two undergraduate courses a year at any other *Southeastern Pennsylvania Consortium for Higher Education (SEPCHE)* member institution. The Southeastern Pennsylvania Consortium for Higher Education (SEPCHE) includes Arcadia University, Cabrini College, Chestnut Hill College, Gwynedd-Mercy College, Holy Family University, Immaculata University, Neumann College, and Rosemont College.

The **Cross Registration** program is designed to provide increased educational opportunities for students of any member institution. Through this program, students have the option to take courses that are not being offered at their home campus and to experience the varied and diverse resources on member campuses across the Delaware Valley. Students must have completed at least one year as a full-time student at their home campus before taking courses through the Cross Registration program. Courses may not be taken at a member institution if that course or its equivalent is offered at the home institution in the same semester. No tuition or fees will be charged by the host institution, except for special or extra fees that are part of the courses taken, such as lab fees. The Cross registration functions only in Fall and Spring semesters, and does not apply to accelerated or weekend courses, independent study, study abroad, tutorials, internships, practicum field experience, student teaching, private music lessons, or per credit hour or graduate students.

Permission to Take Courses at Another Institution

Students who wish to take courses at other colleges or universities during the summer **must have the courses approved by the Faculty Advisor and by the Office of Academic Advising**. *Permission to Study Off Campus* forms are available from the Office of Academic Advising. Transfer credits will be awarded for only those courses in which a grade of C (2.0) or better has been earned. All transferred courses are recorded with a grade of TR-Transfer. It is the student's responsibility to ensure that a final, official copy of the transcript is received in the Office of the Registrar. No credit will be given for any course unless the final, official transcript is received.

Before registering at another institution, please consult the Office of Academic Advising for guidance, St. Joseph Hall, 3rd Floor. Telephone: 215.248-7199. Fax: 215/753-3661. Email: advising@chc.edu.

Restrictions

All students are required to take the last year (Senior year) of course work at Chestnut Hill College. Transfer credits are not accepted from a Community or two-year College once a student has achieved Senior status (earned 84 academic credits).

Under ordinary circumstances, matriculating students are not permitted to take courses in the major field at other institutions. Exceptions are permitted for study abroad and for attendance at SSJ/CSJ Consortium Schools.

Transfer credits, other than those earned at LaSalle University or at a SEPCHE institution, may **not** be earned during the Fall and Spring semesters. Although transfer credits are added to the total number of credits earned, they are not included in the student's Career GPA unless they are earned at LaSalle University or at a SEPCHE institution during the Fall or Spring semesters. Summer courses taken at SEPCHE institutions are recorded with a grade of TR. Students register and pay for the course at the SEPCHE institution with approval of the the Faculty Advisor and by the Office of Academic Advising.

Credits earned while studying abroad are not included in the Career GPA except when part of an official program sponsored by the College. See the Study Abroad section for details.

Alternative Assessments

There are several alternate ways by which matriculated, full-time students may earn credit for courses at Chestnut Hill College; namely, through challenge examinations and portfolio assessment. Application for each of these experiences must be made through the Office of Academic Advising and approved by the Dean of the School of Undergraduate Studies, after consultation with the department involved. The deadline for such application is the same as the deadline for dropping or adding courses. An evaluation equivalent to a grade of "B" is required for credit to be given for these alternative methods of assessment. A non-refundable fee equal to one-third the cost of the

course is payable upon application. A maximum of 15 credits in AP, Challenge, and CLEP combined will be accepted towards a Chestnut Hill College degree. These credits will also be included among those transferred into the College.

Challenge Examinations

A matriculated, full-time student, who, by virtue of academic or professional background, can demonstrate mastery of certain courses without formal enrollment in such courses, may choose to challenge the course and obtain academic credit. A student may challenge up to 12 credits, but may not challenge a course previously failed. All challenge examinations must be completed prior to registration for the final fifteen credits required for the degree. A fee is charged for this service.

Portfolio Assessment

A matriculated, full-time student may present, in a portfolio, a compilation of data organized in an approved format to demonstrate college-level knowledge sufficient to be awarded credit for a course in the current college catalog. A complete description of the process involved in proposing, fulfilling, and submitting a portfolio may be obtained in the Office of the Director of Academic Advising. A fee is charged for this service.

College Level Examination Placement (CLEP)

Each academic department determines which CLEP examinations will be accepted. Credit for CLEP will be given after the student has earned 15 credits at the College but prior to registration for the final 15 hours of credit for graduation from the College.

Conferral, Graduation and Diplomas

Degrees are conferred three times per year: August, December, and May. A student is not considered to be graduated until the Office of the Registrar has recorded a transcript notation, which may take some time following the official conferral date. August and December conferrals are scheduled four business-days following the Final Grade due date in the School of Undergraduate Studies; May conferral is scheduled for the Saturday following Exam Week.

There is one graduation ceremony (Commencement) per academic year held in May. Students who graduated the prior August or December are welcome to participate in Commencement. No student who has coursework yet to complete is permitted to participate in the graduation ceremony. No student with any type of Hold on their account is permitted to participate in the graduation ceremony.

The Chestnut Hill College undergraduate diploma is written in Latin; features the signatures of the President, the Vice President for Academic Affairs, the Dean of the school, the Registrar; and bears the official school seal. Diplomas are issued at Commencement in May or via the US Mail following conferral. Latin Honors earned are printed on diplomas.

Honors: Distinctions and Societies

Dean's List

Effective in the Fall semester of 2011, the Dean's List for full-time students (those taking a minimum of 12 credits that earn quality points) is published three times each academic year following the fall, spring, and summer semesters. Eligibility for inclusion is based upon two criteria: the completion of at least 12 academic credits for the semester with a GPA of 3.60 or higher, and the student's not being held responsible for violations of academic integrity during that semester.

The Dean's List for part-time students is published once every September. To be eligible, part-time students must have completed a minimum of 12 credit hours during the preceding 12 months. Eligibility for inclusion is based upon two criteria: a GPA for the 12 months of 3.6 or higher, and the student's not being held responsible for violations of academic integrity during that 12-month period.

Departmental Honors

Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. (The beginning and completion dates of the Honors thesis for part-time students are determined on an individual basis.) All

students who have successfully completed the Honors Program will be recognized with Honors in their major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis appears on the academic transcript.

Latin Honors

Students graduate with distinction if their final Career GPA is: 3.60, *cum laude*; 3.75, *magna cum laude*; 3.90, *summa cum laude*. Latin Honors are indicated on diplomas in addition to the official transcript.

Honor Societies

Alpha Lambda Delta is the national society that honors high scholastic achievement during the first year in college. The Chestnut Hill College chapter of this society received national affiliation in 1993. Students with a Career GPA of 3.50 at the end of their first or second semester are eligible for election to the Chestnut Hill College chapter of Alpha Lambda Delta. Students inducted into the chapter who maintain a GPA of 3.50 are honored by membership into the *Alpha Lambda Delta Circle of Excellence* during their graduation year.

Delta Epsilon Sigma, the national scholastic honor society for students of Catholic colleges and universities, established its Alpha Upsilon Chapter at Chestnut Hill College in 1941. Eligibility for election to membership is limited to Juniors and Seniors with a Career GPA of 3.50 or above who have earned 50% of the credits necessary for graduation. Nomination is limited to the top 20% of the class. Once designated as eligible, the student must submit an application to the Honors Committee.

Kappa Gamma Pi is the national Catholic college graduate honor society. Membership is based on scholarship, leadership, and service. To be eligible for baccalaureate membership an individual must graduate from a regionally accredited four year college which has established an affiliation with Kappa Gamma Pi, and must meet the following requirements. In addition, no more than 10% of the graduating class may be elected to membership.

- ~ By the end of seven semesters or equivalent, they have attained a point-standing sufficient for graduation with honors (3.60)
- ~ They have demonstrated a good record of service activities
- ~ They have shown outstanding leadership in extracurricular activities
- ~ They are currently matriculated students of the college
- ~ They desire to be members of the Society
- ~ They willingly accept the responsibility for individual leadership in church, civic and/or Kappa activities

Members are selected in recognition of past accomplishments and also in anticipation of future service. Once designated as eligible, the student must submit an application to the Honors Committee.

Alpha Lambda Adult Education Foundation, created in 1983, is devoted to the advancement of scholarship. Applicants must be at least 24 years of age, be matriculated in a degree program, and must have at least a 3.60 GPA with 30 or more semester hours completed.

Alpha Sigma Lambda - National Honor Society recognizes adult students in higher education who have achieved academic excellence and leadership while fulfilling the many responsibilities of family, work, and community services. In 1987, the College received approval to establish a chapter (Epsilon Sigma). Potential inductees must be matriculated in the School of Continuing Studies ACCELERATED Program or as Kirby students in the School of Undergraduate Studies and have earned a minimum of 30 semester hours. Members shall be selected only from the highest 10% of the population and have a minimum Career GPA of 3.60.

Epsilon Pi Tau is the International Honor Society for Technology. The Society recognizes academic excellence of students in fields devoted to the study of technology and the preparation of practitioners for the technology professions. Students need to complete at least 18 credits in computer science and/or computer technology (CMTC-190 and above), maintain a Career GPA of 3.00, and a GPA of 3.25 in the major. Eligible students must also be ranked in the top 35% of their class and must be approved by department faculty.

Kappa Delta Epsilon is an honorary professional society, the purpose of which is to promote the cause of Education by fostering a spirit of fellowship, high standards of scholastic attainment, and professional ideals among its members.

Lambda Pi Eta is the official communication studies honor society of the National Communication Association (NCA). The national requirements for student membership include a 3.00 Career GPA with 60 credit hours

completed and a 3.25 GPA for communication studies courses with 12 credit hours completed. Undergraduates who are elected to Lambda Pi Eta shall rank not lower than the highest 35% percent of their class in general scholarship. All elected members shall exhibit high standards of personal and professional character.

Phi Alpha Theta, the History Honor Society, requires a Career GPA of 3.00 and a 3.10 average in History courses. Eligible candidates must have completed a minimum of 12 semester hours of coursework in History and must be in the top 35% of their class.

Phi Sigma Iota is the International Foreign Language Honor Society and it recognizes outstanding accomplishment in the study or teaching of any of the academic fields related to foreign language, literature, or culture. Undergraduate students shall be enrolled in the institution represented by the chapter, have completed at least one course in a foreign language at the third-year level or its equivalent (fifth semester or seventh quarter), have completed 45 semester hours or its equivalent, have a minimum grade point average of 3.0 on a 4.0 scale, and rank in the top 35% of their class.

Psi Chi, the national honor society in Psychology, is an affiliate of both the American Psychological Association and the American Psychological Society. Membership in the local chapter requires a major or minor in Psychology; a ranking in the top 35% of the class; a Career GPA of 3.20; a Psychology GPA of 3.50; Junior standing; and the completion of 4 or more Psychology courses.

Sigma Beta Delta, the International Honor Society for Business, Management, and Administration that encourages and recognizes scholarship and accomplishment among students of business, management and administration, established its Chapter at the College in 2006. Eligibility for election to membership is limited to those students that rank in the upper 20 percent of their class and have achieved a Career GPA of 3.50 at the time of invitation to membership following completion of at least one-half of the degree program in which they are enrolled. Transfer students who meet the qualifications for membership may be inducted after they have completed a minimum of one term of academic work in the department of business or college.

Sigma Tau Delta is the international honor society for students of English language and literature. Membership in the local chapter requires a major or minor in English Literature or English Literature and Communications, a ranking in the top 35% of the class, a GPA of 3.00 in the major or minor, completion of three semesters of coursework at the College, and completion of two courses in English (not including *ENGL-101: College Writing*).

Sigma Zeta is the National Science and Mathematics Honor Society to encourage and foster the attainment of knowledge in the natural and computer sciences and mathematics and to recognize the attainment of high scholarship among society members. Any college student whose major is in any of the Natural Sciences, computer science, or Mathematics, who has completed the equivalent of 25 semester hours toward the degree, including 15 semester hours in the Natural Sciences or Mathematics, and a grade point average of 3.00 in the Sciences and Mathematics plus a GPA of 3.00 in all subjects including the Sciences and Mathematics, shall be eligible for election to active membership.

Theta Alpha Kappa, the National Honor Society for Religious Studies and Theology, was established in 1976 for the purpose of recognizing the academic achievements of religion and theology students, and the academic excellence of scholars in these fields. Induction into TAK requires nomination by the local chapter, a 3.50 GPA in Religious Studies courses, and a 3.00 Career GPA.

Additional Awards and Honors

The Saint Catherine Medal, sponsored by Kappa Gamma Pi, is presented annually to one Sophomore or Junior School of Undergraduate Studies student who represents the high ideals of a Catholic college education. Faculty, staff, and students submit names of nominees. The Honors Committee determines the recipient based on evidence of leadership and service to the College.

The Dorothea E. Fenton, Class of 1928, Memorial Medal is presented annually to a Senior nominated by faculty, staff and students “in recognition of eager pursuit of all that pertains to the higher life of the spirit and gracious courtesy in the contacts of life.” The medal bears the inscription, “The fruit of the Spirit is charity.” The Honors Committee determines the recipient.

The Lynnette S. Bishop Medal of Valor, presented to the late Lynnette S. Bishop in 2010 and named in her honor, is presented to a member of Chestnut Hill College who has demonstrated extraordinary valor in the pursuit of the goals of a Higher Education.

Special Programs and Services

Academic Advising

St. Joseph Hall, 3rd floor

Telephone: 215.248.7199. Fax: 215/753.3661. Email: advising@chc.edu

The Office of Academic Advising provides students with help in subject areas, study abroad, credit overload, and other advising and course registration questions.

Study Abroad

Chestnut Hill College has a Study Abroad Affiliation Agreement with Regent's College that provides students an opportunity to study for a semester in London. To be eligible for an Affiliation Agreement program students must be a currently enrolled full-time student with at least Sophomore status (24 academic credits or more) and hold a Career GPA of 3.0 or above. Courses taken at an Affiliation Agreement school are applied to the Chestnut Hill College transcript with the grades and applicable credits earned calculated into the Career GPA. Students must speak with the Office of Academic Advising before registering for courses.

Additional Study Abroad Affiliation Agreements exist with the following:

- ~ The American Business School, Paris (IGS International)
- ~ Centre d'études Franco-Américain de Management: International School of Business and Management (CEFAM), Lyon, France
- ~ Cours de Civilisation Française de la Sorbonne, Paris, France-
- ~ Seisen University, Tokyo-
- ~ Saint Louis University in Madrid, Spain-
- ~ Universidad Internacional, Cuernavaca, Mexico

Chestnut Hill College students may also pursue organized study in a foreign country with another accredited institution. In recent years students have studied in London, Paris, Lyon, Rome, Bologna, Madrid, Vienna, Salzburg, Dublin, Argentina, Costa Rica, Guatemala, Nicaragua, Mexico, Turkey and New Zealand. To be eligible for study abroad students must be a currently enrolled full-time student with at least Sophomore status (24 academic credits or more), and hold a Career GPA of 3.0 or above. Students should be aware that a semester abroad may affect their conferral date. For programs not under an Affiliation Agreement, students register for courses at the Institution sponsoring the program and credits are brought in as transferred credits upon receipt of the final, official transcript. Students must speak with the Office of Academic Advising before registering for course abroad.

The Foreign Language and Literature, English, History, Education and Art Departments routinely sponsor Inter-sessions abroad during semester breaks. Students earn academic credit through these Inter-sessions however an additional fee is charged.

Cooperative Education

St. Joseph Hall, 3rd floor

Telephone: 215.248.7032. Email: murphy@chc.edu

The School of Undergraduate Studies' Cooperative Education Program enables students to explore the practical applications of their major areas of study by working in salaried jobs in business, industry, or government. It is a full-time paid work experience, usually for 35-40 hours per week over a four to six month period. Usually no more than one additional 3 credit course is taken while participating in Cooperative Education.

Internships

St. Joseph Hall, 3rd floor

Telephone: 215.248.7032. Email: murphy@chc.edu

An internship is a supervised work learning experience that takes place outside the classroom and preferably at an off-campus site. The intern commits to a minimum of 96 hours per semester. The internship may be a part of a full- or part-time course load. It may be paid or volunteer. Internships are offered in both major and minor fields of study and

are graded on a Pass/Fail basis only. Students in the School of Undergraduate Studies who engage in a summer internship:

- ~ May receive academic credit for the internship in the fall semester immediately following the summer internship, but must have the experience approved by his/her advisor and the Career Services office *before* beginning the internship.
- ~ Must register for and fulfill all the requirements for an internship according to policy.
- ~ Must pay for any credits exceeding 36 in the academic year following the internship.
- ~ Must report to the faculty member charged with internships in the department during the fall semester to earn credit.

Kirby Program

Named for Mary Xavier Kirby, SSJ, the fourth president of Chestnut Hill College, the program is specifically designed to assist women and men of non-traditional age who are returning to college or who are just beginning their degree programs.

Additional Policies

Academic Integrity Policy

Academic integrity, which is essential to the mission of Chestnut Hill College, consists in responsibility and honesty in the fulfillment of academic duties and is vital to the Chestnut Hill College community of scholars. Academic Integrity promotes trust, mutual respect, cooperation, and the advancement of learning. Academic Integrity requires:

- ~ Careful and thorough preparation for classes, including reading, completion of assignments, finding required background material, and reflecting on relevant issues.
- ~ Regular and prompt attendance for the entire class session unless there is a serious reason for absence.
- ~ Effort to maintain careful and focused attention during class.
- ~ Participation in class discussion by both speaking and listening.
- ~ Consistent attendance at lectures, events, study groups, and/or conferences with the instructor, as required or suggested by the instructor.
- ~ Asking questions and seeking appropriate assistance from peers, academic support staff, and instructors, as needed.
- ~ Respect for instructors and students.
- ~ Careful and thorough preparation for and complete honesty in fulfilling assignments, writing papers, citing sources, and taking tests and examinations.
- ~ Speaking to any student observed in violation of academic integrity, to discourage such violation. If this is not successful, reporting the violation to the instructor.

Cheating and Plagiarism Policy

Cheating and plagiarism destroy the trust and mutual respect that are essential to a community of learning. These behaviors violate the deepest convictions of the College community and are infractions of Academic Integrity.

Plagiarism is defined as the submission of work (written work, art work, musical composition, oral presentation, software program, experimental design, etc.) that incorporates ideas from another individual (student, teacher, author, etc.) and presents these ideas as one's own without adequate acknowledgement of the source.

The following acts are examples of cheating, though the list is not exhaustive:

- ~ Using materials not specifically allowed by the instructor during the taking of an examination, test or quiz, such as:
 - ~ material written by another student during the taking of an examination, test or quiz, either with or without his or her knowledge
 - ~ crib notes
 - ~ texts and/or supplementary marginal notations in texts
 - ~ notes written on any object in the room in which examination is being taken
 - ~ unauthorized calculators or any other unauthorized aids.
- ~ Collaborating during an in-class examination, test or quiz, either in the giving or receiving of information or improper collaboration on a take-home examination or laboratory report.
- ~ Stealing, using or transmitting verbally or otherwise, actual examinations, tests, quizzes or portions thereof, or other likewise confidential information before or during the time of the exam. Once an exam has been given it becomes part of the public domain.

- ~ Submitting for a grade in one class any material previously or simultaneously submitted for a grade in another class without documented authorization from both instructors.
- ~ Taking an examination by proxy.
- ~ Falsifying of laboratory or research data or results; or falsifying or inventing bibliographical entries for research papers.
- ~ Withholding knowledge of an incident of cheating or plagiarism from the individual instructor to whom the work is submitted.
- ~ Knowingly participating in another student's act of cheating or plagiarism.

The following acts will be deemed acts of plagiarism, though the list is not exhaustive:

- ~ Presenting published or unpublished work prepared by others, or dictated by others, as one's own, including papers purchased or borrowed from any person or organization.
- ~ Presenting, as one's own, reports or exercises copied from or dictated by others.
- ~ Incorporating formal lecture notes or information from textbooks into as one's own work without acknowledgement and thus presenting them as your own.
- ~ Presenting, as one's own, a computer solution developed by someone else.
- ~ Copying the ideas, and/or speculations, and/or language of any other person or persons, without acknowledgement, and presenting this as one's own original work.

Penalties

Faculty members are responsible for determining when a violation of academic integrity has occurred, as well as for reporting and providing penalties for this violation. Because consequences may differ when multiple infractions have occurred, all violations must be reported to the Dean of the School of Undergraduate Studies. The Dean's Office is responsible for keeping track of the number of times a student is reported.

Penalty levels:

- A. Remediation/written warning
- B. Assignment of additional work
- C. No credit for the test or assignment
- D. Failure of the course
- E. Suspension from participating in optional College activities such as SGA, athletics, honor societies and programs, etc.
- F. Dismissal from the College

A faculty member may impose any of the penalties A through D at his/her discretion; however, the faculty member should first check with the Dean to determine whether the student has previous infractions of Academic Integrity. When imposing a penalty, a faculty member must send a report to the Dean's Office, including the name of the student and a description of the violation and the penalty imposed. Penalty E is enacted by the Dean of the School of Undergraduate Studies when the violation is severe or when the student has multiple infractions. Penalty F can only be enacted by the President in consultation with the Dean. Even a first offense, if severe, may incur these penalties. Forms are available in the Office of the Dean of the School of Undergraduate Studies and in the Faculty Manual

Appeals

A student reported to the Dean of Undergraduate Studies for a violation of Academic Integrity may appeal the charge according to the following procedure:

- 1) Academic Integrity cases should first be addressed between the faculty member and the student in an effort to reconcile their differences. If the faculty member determines that a violation of Academic Integrity has occurred, he or she will complete the appropriate form and submit the form to the Dean.
- 2) If the student disagrees with the charge, he or she will have three weeks from receipt of notification to present an appeal in a signed letter to the Dean. It is the charge that is in question, not the penalty. All participants in the hearing must have three working days notice of the hearing.
- 3) The Appeals Board for the School of Undergraduate Studies will be composed of four members: the Chair of the Academic Standards Committee, the SGA Vice-President for Academic Affairs or another student appointed by the Dean, one other faculty member appointed ad hoc by the Dean, and the Dean of the School of Undergraduate Studies. If either the Chair of the Academic Standards Committee or the student representative has a conflict of interest, the Dean will appoint a replacement. The first three members are voting members. The Dean will moderate the discussion but will not vote.

- 4) If the case is brought to the Appeals Board, both student and faculty member will submit relevant evidence (including a list of witnesses) to the office of the Dean three working days before the hearing. If more than one student is involved, each will have a separate hearing. No attorneys or parents/guardians are to be present at this hearing. Only individuals approved by the Dean may be present at the hearing.
- 5) The Appeals Board will pronounce on the charge, not the penalty. If the student is found innocent, the sanction is lifted. Otherwise it remains as imposed. The decision of the Board is final. The Dean will communicate the decision to the student within ten working days of the hearing.

Class Attendance Policy

There is a relationship between the academic success of the student and his/her class attendance. The School of Undergraduate Studies expects its students to accept their responsibility to attend class regularly and promptly. An instructor may lower a student's grade because of absences from class. It is the responsibility of the instructor to set forth in writing at the beginning of a course any special conditions regarding absence in the course. A student who finds it necessary to be absent from class should, if possible, inform the instructor in advance of the absence. If absences occur, it is the student's responsibility to make up whatever work has been missed. Permission to make up laboratory assignments, studios, quizzes, and examinations may be granted at the discretion of the instructor. When an instructor determines that a student's progress is being seriously impeded by excessive absences from class or by other difficulties, the instructor will refer the student to the Office of Academic Advising.

First-Year Students

To reinforce the importance of regular class attendance, and in the interest of maximizing success for students as they begin their college experience, First-year students are limited to as many absences as the class meets per week (one 3 hour class, two 75 minute classes, or three 50 minute classes). A first-year student who does not adhere to this policy will be reported to the Office of Academic Advising. Faculty members have the right to reduce the number of excused absences at their discretion and this will be written into their syllabi. Excessive absences may result in a reduced grade or failure in the course.

Athletes

Recognizing the importance of regular class attendance and the contribution made by the student athletes, a special attendance policy has been established for student athletes. The Athletic Department will do everything possible to minimize a conflict with scheduled games and class times and the student should seek to schedule classes so there is minimal overlap with practice and scheduled games. When conflicts occur despite these efforts, the student who officially represents Chestnut Hill College in intercollegiate athletics may be excused from class for participation in athletic contests. A student athlete, in making the decision to miss class for a scheduled game, does so knowing that what is lost from the classroom experience cannot be retrieved, nor is it the responsibility of the Instructor to inform the student concerning what transpired. The student, however, should not be penalized for the absence beyond the lost classroom experience. These excused absences apply only to officially scheduled games and not to practice sessions. A student athlete may be excused from classes that conflict with scheduled contests under the following conditions:

- ~ The student is currently maintaining a Career GPA of 2.00 or above.
- ~ The student has demonstrated regular attendance outside of athletic events.
- ~ The student is accountable for all work missed and is responsible for obtaining all lecture notes, handouts, and assignments from another student in the class.
- ~ The student is also responsible to make arrangements with faculty regarding missed tests, exams, presentations, etc.
- ~ If the student needs additional help with the work, she/he must obtain a tutor and be willing to commit a certain number of hours to tutoring. Tutors can be paid for their services by informing the Director of Student Learning Services and by abiding by the stipulations set forth in the Tutoring Handbook.
- ~ The student submits to each Instructor, during the first two weeks of classes, an Intercollegiate Athletic Release Form which informs his/her Instructor when she/he expects to be absent, arrive late or leave early for each class for each semester.
- ~ If a game is canceled or rescheduled during the semester the Instructor must be informed, in writing, immediately if the scheduled game conflicts with class time. A student athlete may miss a maximum of 2 weeks of classes according to the following schedule:
 - ~ Evening Classes (meeting once a week) - 2 classes
 - ~ 75 Minute Day Classes (meeting twice a week) - 4 classes

~ 50 Minute Day Classes (meeting three times a week) - 6 classes

This agreement can be revoked under the following conditions:

- ~ In the judgment of the Instructor the student's class performance and academic progress is being seriously jeopardized.
- ~ If a student receives a grade of F in any course or is placed on Academic Probation, the excused attendance policy is forfeited for the following semester.
- ~ Exceptions to the above policy may have to be made during tournament games.

Athletic Participation Policy

Any athlete who falls below the required Term GPA or 2.00 in a given semester may request being put on provisional status. This appeal is made only under extenuating circumstances that do not include needs of the team. The athlete's appeal must be accompanied by statements of support from the director of Athletics and/or the appropriate coach, the student's advisor and all Instructors in whose classes she/he earned a grade of C- or lower in the previous semester.

The appeal letters will be reviewed by a committee consisting of the Director of Athletics, the Dean of the School of Undergraduate Studies, the Dean for Student Affairs and the Faculty Athletic Representative. In general, provisional status is not granted for consecutive semesters; this decision will rest with the committee who will consider the student's situation and calculate the GPA required for achieving the 2.00.

Final Exam Policy

Final exams are scheduled by the Office of the Registrar according to a matrix based on the day/time of the first class meeting. For classes beginning after 5:15pm, exams begin at the regular time on the first scheduled class day during Exam Week. Final exam information is published on the Course Listing and on the syllabus for every course; exams take place in the regularly scheduled classroom unless other arrangements are made in advance.

With few exceptions*, *all courses must meet at the designated exam time even if an actual exam is not being given.* Unless excused in advance by the Dean of the School of Undergraduate Studies, a student not reporting for a scheduled exam will receive an automatic failure for the exam missed.

* Certain types of courses do not have a final exam scheduled – these include FYIN-100; FYIN-101; PHED or VARS courses; private music lessons and performance ensembles; lab experiences connected to a lecture; internships; fieldwork; practicum; and student teaching courses. Check with the Instructor if there are any questions.

Sexual Harassment Policy

It is the policy of Chestnut Hill College that no administrator, faculty member, staff member or student shall be subject to sexual harassment by another.

Rationale

Chestnut Hill College values right relationships, respect for all and shared responsibility. Therefore, the College is committed to fostering an educational and working environment that is free from sexual harassment. In recognition of and respect for the dignity of all at the College, sexual harassment in any form cannot be tolerated. This policy directly supports our mission in the areas of shared responsibility, social justice, and communal respect. The last decade has witnessed a heightened awareness in our society of the various forms of sexual misconduct; and a deep and sincere concern for the entire College community prompts us to form a policy on Sexual Harassment.

Chestnut Hill College is dedicated to compliance and cooperation with applicable laws and programs of the United States of America. The following policy has been adopted to carry out the intent of laws, to inculcate the College values into daily professional lives and to integrate the College Mission Statement into College policy. The purpose of this policy is:

- ~ to educate the community on the definition of sexual harassment,
- ~ to outline the steps necessary to deal most effectively with cases involving allegations of sexual harassment, and
- ~ to define the rights and responsibilities for members of the Chestnut Hill College community.

Legal Definition

Harassment on the bias of gender is a violation of Section 703 of Title VII of the 1964 Civil Rights Action and Title IX of the Educational Amendments of 1972. Unwelcome sexual advancements, requests for sexual favors, and other verbal or physical conduct of a sexual nature constitute sexual harassment when:

- ~ submission to such conduct is made either explicitly or implicitly a term or a condition of an individual's employment or academic advancement;
- ~ submission to or rejection of such conduct by an individual is used as a basis for employment or academic decisions affecting that individual: or
- ~ such conduct has the purpose or effect of unreasonably interfering with an individual's academic or work performance or creating an intimidating, hostile, or offensive educational, living or working environment.

Scope

The policy and the procedures set forth herein apply to and cover all members of the College community without exception. The College community includes all administrators, faculty, staff, and students. Members of the College community who are traveling abroad on College business or due to a College course are expected to comply with this policy regardless of local laws and/or customs.

Reporting a Complaint

All members of the College community, as defined above under Scope of Policy, who believe they may have been subject to sexual harassment, herein Complainants, shall submit their complaint to a Designated Complaint Recipient. Designated Complaint Recipients, herein Recipient(s), are:

- ~ the Assistant to the President for Administration and Special Projects,
- ~ the Vice President for Financial Affairs, and
- ~ the Vice President for Academic Affairs

The recipient will notify the President of all complaints. The President will confidentially contact the College's attorney and, with the Recipient, determine the appropriate procedure to follow to ensure timely and confidential resolution to the complaint.

Responsibilities

All members of the College community are responsible for ensuring that their conduct does not sexually harass any other member of the College community. This same responsibility extends to employees of third parties who are either doing business with the College or are on the College campus and to other campus visitors. Further, all members of the College have the responsibility of preventing and eliminating sexual harassment.

If administrators and supervisors know sexual harassment is occurring, receive a complaint of sexual harassment or obtain other information indicating possible sexual harassment, they must take immediate steps to inform a Designated Complaint Recipient to ensure the matter is addressed even if the problem or alleged problem is not within their area of oversight. Faculty, staff, and students likewise must inform a Designated Complaint Recipient if they have reason to believe sexual harassment, as defined above, is occurring. Individuals who believe that they have been subject to sexual harassment are responsible for informing a Designated Complaint Recipient in a prompt and timely manner.

The investigation of possible incidents and early resolution of complaints cannot be effectively accomplished when individuals fail to come forward with their complaint within a reasonable time period. It is the responsibility of each member of the campus community to ensure that such incidents do not go unreported. In internal proceedings, the College in general will not be sympathetic to a defense based on consent when the situation is such that the Accused had the power to affect the Complainant's employment status or future prospects.

Confidentiality

Chestnut Hill College requires that, in all cases, claims of harassment be kept confidential by the person bringing the claim, by a witness interviewed, as well as the person alleged to be the harasser. In all cases, we will advise the complaining employee or student and the accused of the outcome of the investigation.

Cancellation of Scheduled Classes Policy

The School of Undergraduate Studies reserves the right to cancel a class with insufficient enrollment and to restrict certain courses to special populations. The Office of the Registrar will do its best to notify students of the cancellation so that an alternative choice can be made.

Participation in Assessment Research Policy

Ongoing assessment of student learning is expected of all colleges and universities. Assessment projects search for evidence of the effectiveness of various instructional techniques and educational experiences by using such tools as surveys, interviews, focus groups, and/or samples of student work. Student participation in assessment surveys, interviews, and/or focus groups is voluntary. All work submitted by a student in fulfillment of course and/or program requirements is considered available for assessment research purposes, unless the student specifically requests otherwise. Written notice of this request must be submitted to the course instructor along with the work. Students will never be individually identifiable in any assessment report.

Syllabi Policy

Every Instructor will provide syllabi for each course he/she teaches. These may be printed or provided electronically. It is in the student's best interest to retain the syllabus for each course as it contains information that may be needed in the future - Chestnut Hill College does not release syllabi for courses. Syllabi are not retained for public request. Keep all course syllabi in a safe place for future reference.

Degrees and Programs

ART HISTORY, ART STUDIO, MUSIC, and MUSIC EDUCATION

KATHLEEN MCCLOSKEY, SSJ, MMED, ASSISTANT PROFESSOR OF MUSIC
~ CHAIRPERSON OF THE MUSIC AND MUSIC EDUCATION DEPARTMENTS

SUZANNE CONWAY, MA, ASSOCIATE PROFESSOR OF ART HISTORY
~ COORDINATOR OF ART HISTORY AND ART STUDIO

BARBARA GLENNON, SSJ, DMA, PROFESSOR OF MUSIC

EDWARD STRAUMAN, PHD, ASSOCIATE PROFESSOR OF MUSIC

DAVID W. SAMSON, PHD, ASSISTANT PROFESSOR OF MUSIC

KATHLEEN SZPILA, SSJ, PHD, ASSISTANT PROFESSOR OF ART HISTORY

MARGARET THOMPSON, SSJ, MFA, MA, ASSOCIATE PROFESSOR OF ART

Art History and Art Studio

Art History and Art Studio courses offer students opportunities to minor in Art History or Art Studio as well as offering courses that fulfill the Artistic *Ways of Knowing* requirement and elective courses of special interest to students. Students who study Art History, Art Studio, and Music deepen their understanding of human nature and of themselves. Through a variety of approaches to creative expression, students develop observation and/or listening skills as they engage in analysis, criticism, response, and performance experiences. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minors.

Students interested in an Art History minor should speak with Suzanne Conway, Room 209, St. Joseph Hall.
Telephone: 215.248.7183. Email: conways@chc.edu.

Students interested in an Art Studio minor should speak with Margaret Thompson, SSJ, Room 500, St. Joseph Hall.
Telephone: 215.248-7042. Email: mthompson@chc.edu.

Course Options

All Art History courses and many Art Studio courses are available for students looking to fulfill an Artistic *Way of Knowing* or expand on interests without pursuing a minor. The following courses are open to students in any Major; however, they may not be offered every semester and may have a Pre-Requisite. Check the Course Descriptions for information on the following courses:

Art History:

- ~ ARTH-101: Western Art-Prehistoric to Gothic (*WOK: Artistic*)
- ~ ARTH-102: Western Art-Early Renaissance to Modern (*WOK: Artistic*)
- ~ ARTH-185: 17th Century Art (*WOK: Artistic or Historical*)
- ~ ARTH-186: Rococo to Revolution (*WOK: Artistic or Historical*)
- ~ ARTH-190: American Art (*WOK: Artistic*)
- ~ ARTH-191: Romanticism to Post-Impressionism (*WOK: Artistic*)
- ~ ARTH-192: Twentieth Century and Contemporary Art (*WOK: Artistic*)
- ~ ARTH-193: American Architecture (*WOK: Artistic*)
- ~ ARTH-201: Historical Survey of Women Artists (*WOK: Artistic*)
- ~ ARTH-212: Looking at Landscape Design (*WOK: Artistic*)
- ~ ARTH-230: Paris: An Urban History (*WOK: Artistic*)
- ~ ARTH-261: Early Italian Renaissance Art (*WOK: Artistic*)
- ~ ARTH-280: The Art of Black Africa (*WOK: Artistic*)
- ~ ARTH-281: Special Topics in Art History/Topics vary by semester (*Repeatable for credit*) (*WOK: Artistic*)
- ~ ARTH-282: Michelangelo and His Times (*WOK: Artistic*)

Art Studio:

- ~ ARTS-115: Book Arts
- ~ ARTS-120: Art by Heart: Design and Culture from the Global Village (*WOK: Artistic*)
- ~ ARTS-121: Introduction to Drawing Techniques (*WOK: Artistic*)
- ~ ARTS-131: Introduction to Painting (*WOK: Artistic*)
- ~ ARTS-134: Introduction to Watercolor Painting (*WOK: Artistic*)
- ~ ARTS-172: Introduction to Color My World (*WOK: Artistic*)

Minor in Art History — 18 credits

Art History is rooted in a chronological study of the development of art and is designed to deepen the student's understanding of human expression and self-expression through the study of master works, styles, forms, vocabulary, and other aspects that contribute to a basic knowledge of art history. *Requirements:*

- ~ ARTH-101: Western Art-Prehistoric to Gothic (*WOK: Artistic*)
- ~ ARTH-102: Western Art-Early Renaissance to Modern (*WOK: Artistic*)
- ~ Four additional courses (12 credits) in Art History. Choices include the following, which may not be offered every semester and may have a Pre-Requisite:
 - ~ ARTH-185: 17th Century Art (*WOK: Artistic*)
 - ~ ARTH-186: Rococo to Revolution
 - ~ ARTH-190: American Art (*WOK: Artistic*)
 - ~ ARTH-191: Romanticism to Post-Impressionism (*WOK: Artistic*)
 - ~ ARTH-192: Twentieth Century and Contemporary Art (*WOK: Artistic*)
 - ~ ARTH-193: American Architecture
 - ~ ARTH-201: Historical Survey of Women Artists (*WOK: Artistic*)
 - ~ ARTH-212: Looking at Landscape Design (*WOK: Artistic*)
 - ~ ARTH-230: Paris: An Urban History (*WOK: Artistic*)
 - ~ ARTH-261: Early Italian Renaissance Art (*WOK: Artistic*)
 - ~ ARTH-280: The Art of Black Africa (*WOK: Artistic*)
 - ~ ARTH-281: Special Topics in Art History/Topics vary by semester (*Repeatable for credit*)
 - ~ ARTH-282: Michelangelo and His Times (*WOK: Artistic*)
 - ~ ARTH-401: Internship in Art History
 - ~ ARTH-481: Advanced Special Topics in Art History /Topics vary by semester (*Repeatable for credit*)
 - ~ ARTH-490: Independent Study in Art History (*Repeatable for credit*)

Minor in Art Studio — 18 credits

The Art Studio Program allows students to study art making in two- and three-dimensional media and design in a studio setting. Art Studio courses include drawing, painting, watercolor, silkscreen, jewelry and metal crafts, design, and mixed media. Students who make art in the Art Studio exhibit their work in the Dwight V. Dowley Art Gallery and the main corridor of the College. *Requirements:*

- ~ ARTS-121: Drawing Techniques (*WOK: Artistic*)
- ~ ARTS-131: Painting (*WOK: Artistic*)
- ~ ARTS-120: Art by Heart: Design and Culture from the Global Village (*WOK: Artistic*)
- ~ ARTS-172: Color My World: Color and Design from the Global Village (*WOK: Artistic*)
- ~ One course (3 credits) in Art Studio focusing on 3-D chosen from the following, which may not be offered every semester:
 - ~ ARTS-102: Ceramics
 - ~ ARTS-115: Book Arts
 - ~ ARTS-220: Intermediate Art by Heart
 - ~ ARTS-272: Intermediate Color My World (*WOK: Artistic*)
- ~ One course (3 credits) in Art Studio chosen from the following, which may not be offered every semester:
 - ~ ARTS-134: Introduction to Watercolor Painting (*WOK: Artistic*)
 - ~ ARTS-202: Intermediate Ceramics
 - ~ ARTS-221: Intermediate Drawing
 - ~ ARTS-231: Intermediate Painting
 - ~ ARTS-234: Intermediate Watercolor Painting
 - ~ ARTS-235: Special Projects in Art Studio
 - ~ ARTS-320: Advanced Art by Heart (*WOK: Artistic*)
 - ~ ARTS-335: Advanced Projects in Art Studio
 - ~ ARTS-372: Advanced Color My World
 - ~ ARTS-401: Internship in Arts Studio

Music Performance and Music Education

Chestnut Hill College offers a Bachelor of Music (BM) in Music Performance with a choice of concentration, and a Bachelor of Science (BS) in Music Education leading to Pennsylvania Department of Education certification. Students may also minor in Music Performance or Jazz Performance, and/or take lessons in a variety of instruments for either academic credit or personal enjoyment. In addition, music courses for the core curriculum give students the opportunity to study a wide variety of styles and eras of music.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation (a 3.00 GPA is required for Music Education Student Teaching). Courses *Required in the Major* comprise the Major GPA. Unless

indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for either of the Majors. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minors.

Majors in Music and Music Education pursue careers as performers, teachers at the elementary, middle and secondary level, music librarians, administrators, music critics, liturgical music ministers, and sales associates/managers in the music industry. Major study is available in piano, voice, violin, organ, harp, guitar, tenor horn, clarinet, flute, trumpet, saxophone, percussion, and string bass, as well as an individualized program designed in consultation with the Music Department. Music Education Majors are encouraged to take courses during the summer sessions to complete core requirements for the Music Education program. All prospective Music and Music Education majors complete a Theory Placement Test at the time of their auditions. This test determines the beginning theory class for the first semester. Interested students should contact Kathleen McCloskey, SSJ, Room M27, St. Joseph Hall. Telephone: 215.248.7194. Email: kmcclosk@chc.edu.

Music Performance Major Concentrations

Major study (concentration) is available in the following instruments and placement in lessons will be at the discretion of the department:

- | | | |
|------------|---------------|--|
| ~ Clarinet | ~ Percussion | ~ Trumpet |
| ~ Flute | ~ Piano | ~ Tuba |
| ~ Guitar | ~ Saxophone | ~ Violin |
| ~ Harp | ~ String Bass | ~ Voice |
| ~ Organ | ~ Tenor Horn | ~ Other Orchestral instruments with approval |

Honors

Outstanding students may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their Major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. All students who have successfully completed the Honors Program will be recognized with Honors in their Major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

Advanced Placement

The College does not accept scores from the Advanced Placement Music Theory examination as an equivalent to any Music courses.

Music Lessons

The department offers music instruction to students on various levels: to the Major; to the advanced student who desires elective credit; and to the beginner or intermediate student who is learning elementary skills. Students majoring in music are required to demonstrate proficiency in piano before graduation. All Music and Music Education Majors are assigned to an instructor for weekly lessons in piano and another instrument if piano is not their major instrument. One private lesson weekly in any instrument of their choice is required to participate in recitals for this instrument. Please note that there is an additional fee of \$465 per semester for Non-Music Majors taking MUSL-Music Lesson courses.

Music Performance Opportunities

Participation in a performance ensemble is required for Music and Music Education Majors. Music Education Majors must enroll in *MUSP-355: Chamber Ensemble* every semester they are part of the Music program; additional performance opportunities are also available. Music Performance – Voice Majors who are not Music Education Majors must enroll in *MUSP-357: The Hill Singers* each semester they are part of the Music program; additional performance opportunities are also available. Music Performance courses are also open to students in any Major and members of the Chestnut Hill College community and beyond.

- ~ MUSP-351: Gospel Choir Performance
- ~ MUSP-353: Chorus Performance
- ~ MUSP-355: Chamber Ensemble Performance
- ~ MUSP-357: The Hill Singers Performance

- ~ MUSP-359: Jazz Ensemble Performance
- ~ MUSP-381: Jazz Improvisation Workshop
- ~ MUSP-341: A Cappella Choir Performance
- ~ MUSP-367: Flute Ensemble Performance
- ~ MUSP-369: Brass Ensemble Performance
- ~ MUSP-391: Saxophone Ensemble Performance
- ~ MUSP-393: String Ensemble Performance

Course Options

In addition to private lessons, there are many other Music courses available to undergraduate students looking to fulfill an Artistic *Ways of Knowing* or expand on interests without pursuing a minor. These courses are open to students in any Major; however, they may not be offered every semester and may have a Pre-Requisite. Check the Course

Descriptions for information on the following courses:

- ~ MUSC-101: Music in Western Culture I (*WOK: Artistic*)
- ~ MUSC-102: Music in Western Culture II (*WOK: Artistic*)
- ~ MUSC-103: Introduction to Music Theory
- ~ MUSC-107: Native Peoples of North America (*WOK: Artistic*)
- ~ MUSC-124: Music in 20th Century America I (*WOK: Artistic*)
- ~ MUSC-125: Music in 20th Century America II (*WOK: Artistic*)
- ~ MUSC-129: History of Jazz (*WOK: Artistic*)
- ~ MUSC-140: Film Music: A Critical Survey (*WOK: Artistic*)
- ~ MUSC-142: Broadway Bound (*WOK: Artistic*)
- ~ MUSC-144: Creating, Recording, and Marketing a Song (*WOK: Artistic*)
- ~ MUSC-180: Jazz Improvisation I
- ~ MUSC-190: Music and Technology (2 credits)
- ~ MUSC-203: Sounds of the World (*WOK: Artistic*)
- ~ MUSC-252: The Business of Music
- ~ MUSC-281: Special Topics in Music/Topics vary by semester (*Repeatable for credit*)
- ~ MUSC-481: Advanced Special Topics in Music/Topics vary by semester (*Repeatable for credit*)
- ~ MUSC-490: Independent Study in Music (*Repeatable for credit*)

Music Performance

Major in Music Performance/Concentration in voice or instrument – 50 credits

Courses are 3 credits unless indicated. *Required in the Major:*

- ~ MUSC-105: Aural Skills I
- ~ MUSC-106: Aural Skills II
- ~ MUSC-190: Music and Technology I (2 credits)
- ~ MUSC-201: Theory I
- ~ MUSC-202: Theory II
- ~ MUSC-212: Keyboard Harmony (2 credits)
- ~ MUSC-218: Basic Conducting (2 credits)
- ~ MUSC-221: Western Music/Medieval-Baroque (*Writing Intensive*)
- ~ MUSC-222: Western Music/Classical-21st Century (*WOK: Artistic*)
- ~ MUSC-301: Theory III
- ~ MUSC-302: Theory IV
- ~ MUSC-307: Counterpoint
- ~ MUSC-309: Orchestration
- ~ MUSC-498: Senior Seminar
- ~ PHYS-107: Science and Music
- ~ Private instrument lesson(s) every semester (.5 credits each) including Piano study every semester until proficient.
- ~ At least one performance ensemble every semester (*MUSP-355: Chamber Ensemble* required for Music Performance – Instrument Majors; *MUSP-357: The Hill Singers* required for Music Performance –Voice Majors.)
- ~ Pass Jury at the end of each semester
- ~ Attend a minimum of three concerts per semester or six per academic year

Sample Bachelor of Music: Music Performance Major/Concentration/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the major.

Year One Fall – 13/15*	Year Two Fall -15/17*	Year Three Fall – 15/17*	Year Four Fall – 14/15*
ENGL-101 MUSC-103 MUSC-105 Language 103 Piano Lesson (.5 cr) Voice/Instrument Lesson (.5 cr) MUSP-355 or 357 * FYIN-100*	GLST-201 MUSC-202 MUSC-218 (2 cr) WOK or elective WOK or elective Piano Lesson (.5 cr) Voice/Instrument Lesson (.5 cr) MUSP-355 or 357 * PHED #1* Swim Test*	MUSC-190 (2 cr) MUSC-221 (WI) MUSC-302 PHYS-107 Minor #1 or elective Piano Lesson (.5 cr) Voice/Instrument Lesson (.5 cr) MUSP-355 or 357 * FYIN-101*	MUSC-309 MUSC-498 WOK or elective Minor #3 or elective Elective (1 cr) Piano Lesson (.5 cr) Voice/Instrument Lesson (.5 cr) MUSP-355 or 357 * PHED #2*
Year One Spring - 16/17*	Year Two Spring – 16/17*	Year Three Spring -15/16*	Year Four Spring -16/17*
ILAR-101 MUSC-106 RLST-104 WOK or elective WOK or elective Piano Lesson (.5 cr) Voice/Instrument Lesson (.5 cr) MUSP-355 or 357 *	MUSC-301 RLST-2XX ETHS-201 WOK or elective WOK or elective Piano Lesson (.5 cr) Voice/Instrument Lesson (.5 cr) MUSP-355 or 357 *	MUSC-212 (2 cr) MUSC-218 (2 cr) MUSC-307 MUSC-222 Minor #2 or elective PSPK-101 (1 cr) Piano Lesson (.5 cr) Voice/Instrument Lesson (.5 cr) MUSP-355 or 357 *	Minor #4 or elective Minor #5 or elective Minor #6 or elective WOK or elective WOK or elective Piano Lesson (.5 cr) Voice/Instrument Lesson (.5 cr) MUSP-355 or 357 *

*Non-academic credit – these credits do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Music Performance – 21 credits

Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. An individualized minor may be developed in consultation with the Music Department. *Standard requirements:*

- ~ Choice of:
 - ~ MUSC-103: Introduction to Music Theory
 - AND**
 - ~ MUSC-201: Theory I
 - OR*
 - ~ MUSC-201: Theory I
 - AND**
 - ~ MUSC-202: Theory II
- ~ MUSC-105: Aural Skills I
- ~ MUSC-106: Aural Skills II
- ~ One course (3 credits) in Music with an Artistic Ways of Knowing
- ~ Choice of:
 - ~ MUSP-355: Chamber Ensemble (1 non-academic credit)
 - OR*
 - ~ MUSP-357: The Hill Singers (1 non-academic credit)
- ~ Choice of:
 - ~ Five additional MUSP-Music Performance courses (5 non-academic credits total)
 - OR*
 - ~ Five MUSL- Music Lessons for Non-Music Majors courses (5 academic credits total) (additional fee of \$465 per semester applies to all MUSL courses.)
- ~ Attend three concerts total

Minor in Jazz Performance – 19 credits

This minor is open to any undergraduate student with demonstrated ability. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Students must consult with Edward Strauman, Room M-24, St. Joseph Hall, Music Corridor, Telephone: 215/753-3634; Email: strauman@chc.edu. *Requirements:*

- ~ MUSC-129: History of Jazz (*WOK: Artistic*)
- ~ MUSC-180: Jazz Improvisation I
- ~ MUSC-181: Jazz Improvisation II
- ~ MUSC-310: Jazz Arranging
- ~ MUSP-359: Jazz Ensemble Performance (.5 credit, one semester)
- ~ MUSP-381: Jazz Improvisation Workshop (.5 credit, one semester)
- ~ Two courses (6 credits) chosen in consultation with Dr. Strauman. Choices include, but are not limited to, the following, which may not be offered every semester:
 - ~ MUSC-144: Creating, Recording, and Marketing a Song (*WOK: Artistic*)
 - ~ MUSC-252: The Business of Music

Music Education

Major in Music Education – 85.5 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ MUSC-105: Aural Skills I
- ~ MUSC-106: Aural Skills II
- ~ MUSC-201: Theory I
- ~ MUSC-202: Theory II
- ~ MUSC-212: Keyboard Harmony (2 credits)
- ~ MUSC-218: Basic Conducting (2 credits)
- ~ MUSC-221: Western Music/Medieval-Baroque (*Writing Intensive*)
- ~ MUSC-222: Western Music/Classical-21st Century (*WOK: Artistic*)
- ~ MUSC-301: Theory III
- ~ MUSC-302: Theory IV
- ~ MUSC-307: Counterpoint
- ~ MUSC-309: Orchestration
- ~ MUSC-498: Senior Seminar
- ~ MUED-159: Choral Methods (.5 credit)
- ~ MUED-161: String Methods I (.5 credit)
- ~ MUED-162: String Methods II (.5 credit)
- ~ MUED-163: Guitar Methods (.5 credit)
- ~ MUED-165: Woodwind Methods I (.5 credit)
- ~ MUED-166: Woodwind Methods II (.5 credit)
- ~ MUED-167: Brass Methods I (.5 credit)
- ~ MUED-168: Brass Methods II (.5 credit)
- ~ MUED-170: Percussion Methods (.5 credit)
- ~ MUED-290: Music and Technology II (2 credits)
- ~ MUED-320: Music for Diverse Learners (4 credits)
- ~ MUED-350: Music Ed/Elementary School
- ~ MUED-351: Music Ed/Middle and High School
- ~ MUED-352: Student Teaching * (6 credits)
- ~ MUED-353: Student Teaching Seminar

Also Required:

- ~ EDSP-312: Reading Interventions for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-390: ESL Foundations/Methods
- ~ PSYC-202: Educational Psychology (*WOK: Behavioral*)
- ~ PHYS-107: Science and Music (*WOK: Scientific*)
- ~ Private instrument lesson(s) every semester (.5 credits each) including Piano study every semester until proficient.
- ~ At least one performance ensemble every semester (*MUSP-355: Chamber Ensemble* required for Music Performance - Instrument Majors; *MUSP-357: The Hill Singers* required for Music Performance -Voice Majors.)
- ~ Pass Jury at the end of each semester
- ~ Attend three concerts minimum per semester

* *PRAXIS I* must be completed before completing student teaching (GPA of 3.00)

Sample Bachelor of Science: Music Education Major:

Please note that this is a suggested academic plan only; it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 16/18*	Year Two Fall 13.5/14.5*	Year Three Fall 14.5/15.5*	Year Four Fall 15/16*
ENGL-101 MUSC-103 MUSC-105 RLST-104 Language 103 Piano Lesson (.5 cr) Voice/Instrument Lesson (.5 cr) MUSP-355 or 357 * FYIN-100*	EDSP-312 GLST-201 MUED-163 (.5 cr) MUED-166 (.5 cr) MUED-167 (.5 cr) MUSC-202 MUSC-218 (2 cr) Piano Lesson (.5 cr) Voice/Instrument Lesson (.5 cr) MUSP-355 or 357 *	MUED-159 (.5 cr) MUED-161 (.5 cr) MUED-350 (.5 cr) MUSC-221 (WI) MUSC-302 PHYS-107 PSYC-202 Piano Lesson (.5 cr) Voice/Instrument Lesson (.5 cr) MUSP-355 or 357 *	EDSP-390 MUED-320 (4 cr) MUSC-309 MUSC-498 PSPK -101 (1 cr) Piano Lesson (.5 cr) Voice/Instrument Lesson (.5 cr) MUSP-355 or 357 * PHED #2*

Year One Spring – 16/18*	Year Two Spring 17/18*	Year Three Spring 14.5/15.5*	Year Four Spring 14/16*
ILAR-101	ETHS -201	EDSP-340	MUED-352 (6 cr)
MUED-165	MUED-168 (.5 cr)	MUED-162 (.5 cr)	MUED-353
MUSC-106	MUED-170 (.5 cr)	MUED-290 (2 cr)	WOK or elective
MUSC-201	MUED-351	MUSC-212 (2 cr)	Elective (1 cr)
WOK or elective	MUSC-301	MUSC-222	Piano Lesson (.5 cr)
Piano Lesson (.5 cr)	RLST-2XX	MUSC-307	Voice/Instrument Lesson (.5 cr)
Voice/Instrument Lesson (.5 cr)	WOK or elective	Piano Lesson (.5 cr)	FYIN-101*
MUSP-355 or 357 *	Piano Lesson (.5 cr)	Voice/Instrument Lesson (.5 cr)	MUSP-355 or 357 *
PHED #1*	Voice/Instrument Lesson (.5 cr)	MUSP-355 or 357 *	
Swim Test*	MUSP-355 or 357 *		

*Non-academic credit – these credits do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120.5

BUSINESS

GARRY FLOWER, MBA, CPA, ASSOCIATE PROFESSOR OF BUSINESS

~ ACTING CHAIRPERSON OF THE BUSINESS DEPARTMENT

GEORGE C. DIEMER, PHD, ASSISTANT PROFESSOR OF BUSINESS

FRANCIS M. PUFKO, MBA, ASSISTANT PROFESSOR OF BUSINESS

Chestnut Hill College offers a Bachelor of Science (BS) in Accounting; a Bachelor of Science (BS) in Management (as of July 1st, 2010); a Bachelor of Science (BS) in Marketing; and an interdisciplinary Bachelor of Science (BS) in International Business, Language, and Culture. Minors are available in Management (as of July 1st, 2010); and in International Business. Interested students should contact Garry Flower, Room 312, Martino Hall. Telephone: 215.248-7180. Email: flowerg@chc.edu.

Advanced Placement

Students who receive a score of 3, 4, or 5 in Microeconomics will receive 3 credits equivalent to *ECON-102: Principles of Microeconomics*. Students who receive a score of 3, 4, or 5 in Macroeconomics will receive 3 credits equivalent to *ECON-101: Principles of Macroeconomics*.

Honors and Honor Societies

Established at the College in 2006, Sigma Beta Delta, the International Honor Society for Business, Management, and Administration, encourages and recognizes scholarship and accomplishment among students of business, management, and administration. Eligibility for election to membership is limited to those students that rank in the upper 20 percent of their class and have achieved a Career GPA of 3.50 at the time of invitation to membership following completion of at least one-half of the degree program in which they are enrolled. Transfer students who meet the qualifications for membership may be inducted after they have completed a minimum of one term of academic work in the Business Department.

Phi Beta Lambda is part of the oldest and largest national student business organization in the United States where a quarter of a million students develop their skills for successfully competing in the business world and in the global economy. It is student-run organization in which career development, ethical leadership, and collaborative teamwork skills are the main focus.

Outstanding students may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their Major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. All students who have successfully completed the Honors Program will be recognized with Honors in their Major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

Course Options

There are several Business courses available to undergraduate students looking to fulfill a *Ways of Knowing* requirement or expand on interests without pursuing a minor. The following courses are open to students in any Major; however, they may not be offered every semester and may have a Pre-Requisite. Check the Course Descriptions for information on the following courses:

- ~ ACCT-103: Financial Accounting (*WOK: Behavioral*)
- ~ BUSN-101: International Business
- ~ BUSN-102: Business Ethics (*WOK: Behavioral*)
- ~ BUSN-104: Introduction to Business (*WOK: Behavioral*)
- ~ BUSN-120: Law and the Business Enterprise (*WOK: Behavioral*)
- ~ BUSN-490: Independent Study in Business (*Repeatable for credit*)
- ~ MKTG-203: Marketing Principles (*WOK: Behavioral*)

Accounting

Chestnut Hill College offers a Bachelor of Science (BS) in Accounting. The Accounting Major provides students with both the theoretical background and application of the concepts, technology and procedures of accounting. Students also study the basic areas of economics, finance, marketing, and management. The study of accounting prepares the student for graduate or professional school, or for careers in public, private or non-profit accounting. Students planning to sit for the Uniform Certified Public Accounting (CPA) examination are advised to contact the State Board

of Accountancy in the state in which they plan to qualify for specific educational and experience requirements mandated by that state.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. All students majoring in Accounting are required to complete computer proficiencies by the end of the Sophomore year.

Major in Accounting – 67 credits
Courses are 3 credits unless indicated.

Required in the Major:

- ~ ACCT-103: Financial Accounting (*WOK: Behavioral*)
- ~ ACCT-104: Managerial Accounting
- ~ ACCT-213: Intermediate Accounting Theory I
- ~ ACCT-214: Intermediate Accounting Theory II
- ~ ACCT-216: Taxes
- ~ ACCT-223: Cost Accounting (*WOK: Behavioral*)
- ~ ACCT-333: Auditing
- ~ ACCT-363: Advanced Accounting Theory I
- ~ ACCT-364: Advanced Accounting Theory II
- ~ BUSN-120: Law and the Business Enterprise
- ~ BUSN-498: Senior Seminar
- ~ FINA-304: Corporate Finance
- ~ MGMT-204: Organization and Management of Human Resources (*Writing Intensive*)
- ~ MGMT-300: Operations Management
- ~ MKTG-203: Marketing Principles

Also required:

- ~ CMTC-180: Introduction to Microsoft Access (1 credit)
- ~ CMTC-285: Management Information Systems
- ~ ECON-101: Macroeconomic Principles
- ~ ECON-102: Microeconomic Principles
- ~ ECON-201: Principles of Finance: Money and Banking
- ~ MATH-201: Mathematics for Management and the Social Sciences I (*WOK: Problem Solving*)
- ~ MATH-202: Mathematics for Management and the Social Sciences II (*WOK: Problem Solving*)
- ~ MATH-227: Introduction to Probability and Statistics

Sample Bachelor of Science: Accounting Major /selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only; it is not meant to address each student’s individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student’s responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 16/17*	Year Three Fall – 13	Year Four Fall – 15
ACCT-103 ENGL-101 MATH-201 RLST-104 Language 103 FYIN-100*	ACCT-213 ECON-101 GLST-201 MATH-227 WOK or elective (4 cr) FYIN-101*	ACCT-216 ACCT-363 ECON-201 MGMT-300 PSPK-101 (1 cr)	MKTG-203 CMTC-285 Minor #2 or elective Minor #3 or elective Minor #4 or elective
Year One Spring – 15/16*	Year Two Spring - 16	Year Three Spring – 15/16*	Year Four Spring – 15
ACCT-104 ILAR-101 MATH-202 RLST-2XX WOK or elective PHED #1* Swim Test*	ACCT-214 BUSN-120 CMTC-180 (1 cr) ECON-102 ETHS-201 MGMT-204 (WI)	ACCT-223 ACCT-364 FINA-304 Minor #1 or elective WOK or elective PHED #2*	ACCT-333 BUSN-498 Minor #5 or elective Minor #6 or elective WOK or elective

*Non-academic credit – these credits do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Management

As of July 1, 2010, Chestnut Hill College offers a Bachelor of Science (BS) in Management as well as a minor in Management. The Management curriculum is designed to provide the student with knowledge in the basic areas of accounting, economics, finance, marketing, project management, operations management and entrepreneurship.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Students are required to complete the computer proficiencies by the end of the Sophomore year.

Major in Management – 67 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ MGMT-105: Principles of Management
- ~ MGMT-204: Organization and Management of Human Resources (*Writing Intensive*)
- ~ MGMT-205: Project Management
- ~ MGMT-300: Operations Management
- ~ Choice of:
 - ~ MGMT-302: Entrepreneurship
 - OR
 - ~ MGMT-303: Strategic Management
- ~ Two additional courses (6 credits) in Management. Choices include the following, which may not be offered every semester:
 - ~ MGMT-206: Purchasing and Supply Chain Management
 - ~ MGMT-281: Special Topics in Management/Topics vary by semester (*Repeatable for credit*)
 - ~ MGMT-302: Entrepreneurship
 - ~ MGMT-303: Strategic Management
 - ~ MGMT-401: Internship in Management
 - ~ MGMT-481: Advanced Special Topics in Management/Topics vary by semester (*Repeatable for credit*)
- ~ ACCT-103: Financial Accounting
- ~ ACCT-104: Managerial Accounting (*WOK: Behavioral*)
- ~ BUSN-104: Introduction to Business
- ~ BUSN-120: Law and the Business Enterprise
- ~ BUSN-498: Senior Seminar
- ~ FINA-304: Corporate Finance
- ~ MKTG-203: Marketing Principles

Also required:

- ~ ECON-101: Macroeconomic Principles
- ~ ECON-102: Microeconomic Principles
- ~ ECON-201: Principles of Finance: Money and Banking
- ~ ECON-211: Introduction to Global Economics
- ~ CMTC-180: Introduction to Microsoft Access (1 credit)
- ~ CMTC-285: Management Information Systems
- ~ MATH-201: Mathematics for Management and the Social Sciences I (*WOK: Problem Solving*)
- ~ MATH-202: Mathematics for Management and the Social Sciences II (*WOK: Problem Solving*)
- ~ MATH-227: Introduction to Probability and Statistics

Sample Bachelor of Science: Management Major/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only; it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 16/17*	Year Three Fall – 16	Year Four Fall – 15
ACCT-103 BUSN-104 ENGL-101 MATH-201 Language 103 FYIN-100*	ECON-101 GLST-201 MATH-227 WOK or elective WOK or elective (4 cr) FYIN-101*	ECON-201 MGMT-300 MGMT-302 or 303 MKTG-203 PSPK-101 (1 cr) RLST-2XX	BUSN-498 ETHS-201 Minor #1 or elective Minor #2 or elective Minor #3 or elective

Year One Spring – 15/16*	Year Two Spring -16	Year Three Spring – 12/13*	Year Four Spring – 15
ACCT-104 ILAR-101 MATH-202 MGMT-105 RLST-104 PHED #1* Swim Test*	BUSN-120 CMTC-180 (1 cr) ECON-102 MGMT-204 (WI) MGMT-205 MGMT- Elective	CMTC-285 ECON-211 FINA-304 WOK or elective PHED #2*	MGMT- Elective WOK or elective Minor #4 or elective Minor #5 or elective Minor #6 or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Management – 18 credits

Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. *Requirements:*

- ~ ACCT-103: Financial Accounting (*WOK: Problem Solving*)
- ~ BUSN-104: Introduction to Business (*WOK: Behavioral*)
- ~ ECON-101: Principles of Macroeconomics
- ~ Two to three courses (6 – 9 credits/depending if the optional course is completed) from the following, which may not be offered every semester:
 - ~ ACCT-104: Managerial Accounting (*WOK: Behavioral*)
 - ~ ECON-102: Principles of Microeconomics (*WOK: Behavioral*)
 - ~ ECON-201: Principles of Finance: Money and Banking (*WOK: Behavioral*)
 - ~ MGMT-204: Organization and Management of Human Resources (*Writing Intensive*)
 - ~ MGMT-205: Project Management
 - ~ MKTG-203: Principles of Marketing (*WOK: Behavioral*)
- ~ One optional course (3 credits) may be taken. Choices include the following, which may not be offered every semester:
 - ~ BUSN-102: Business Ethics (*WOK: Behavioral*)
 - ~ BUSN-120: Law and the Business Enterprise (*WOK: Behavioral*)
 - ~ BUSN-252: The Business of Music
 - ~ COMM-210: Interpersonal Communication (*WOK: Behavioral*)
 - ~ MGMT-105: Principles of Management
 - ~ PSYC-111: Industrial/Organizational Psychology (*WOK: Behavioral*)

Marketing

Chestnut Hill College offers a Bachelor of Science (BS) in Marketing. The Marketing Major is designed to provide the student with an in-depth exposure to the various facets of marketing including the role of the marketing function in the organization, consumer buying decision processes within the context of marketing strategies, market research analysis and planning. A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. Students are required to complete all computer proficiencies by the end of the Sophomore year.

Major in Marketing – 67 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ MKTG-203: Marketing Principles (*WOK: Behavioral*)
- ~ MKTG-205: Consumer Behavior
- ~ Choice of:
 - ~ MGMT-302: Entrepreneurship
- OR
 - ~ MGMT-303: Strategic Management
- ~ MKTG-310: Marketing Research
- ~ MKTG-365: Marketing Management
- ~ Three courses (9 credits) in Marketing chosen from the following, which may not be offered every semester:
 - ~ MKTG-206: International Marketing
 - ~ MKTG-253: Retailing
 - ~ MKTG-254: Advertising
 - ~ MKTG-255: Public Relations
 - ~ MKTG-256: Personal Selling and Sales Force Management

- ~ MKTG-401: Internship in Marketing
- ~ MGMT-302: Entrepreneurship
- ~ MGMT-303: Strategic Management
- ~ ACCT-103: Financial Accounting
- ~ ACCT-104: Managerial Accounting
- ~ BUSN-104: Introduction to Business
- ~ BUSN-120: Law and the Business Enterprise
- ~ BUSN-498: Senior Seminar in Business
- ~ FINA-304: Corporate Finance
- ~ MGMT-204: Organization and Management of Human Resources (*Writing Intensive*)

Also required:

- ~ CMTC-180: Introduction to Microsoft Access (1 credit)
- ~ CMTC-285: Management Information Systems
- ~ ECON-101: Principles of Macroeconomics
- ~ ECON-102: Principles of Microeconomics
- ~ ECON-201: Principles of Finance: Money and Banking
- ~ MATH-201: Mathematics for Management and the Social Sciences I (*WOK: Problem Solving*)
- ~ MATH-202: Mathematics for Management and the Social Sciences II (*WOK: Problem Solving*)
- ~ MATH-227: Introduction to Probability and Statistics

Sample Bachelor of Science: Marketing Major / selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only; it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15/16*	Year Three Fall – 15/16*	Year Four Fall – 15
ACCT-103 BUSN-104 ENGL-101 MATH-201 Language 103 FYIN-100*	ECON-101 ETHS-201 GLST-201 MATH-227 WOK or elective FYIN-101*	BUSN-120 CMTC-285 ECON-201 MGMT-302 or 303 MKTG-310 PHED #2*	BUSN-498 RLST-2XX Minor #3 or elective Minor #4 or elective WOK or elective
Year One Spring – 15/16*	Year Two Spring – 17	Year Three Spring – 13	Year Four Spring – 15
ACCT-104 ILAR-101 MATH-202 MKTG-203 RLST-104 PHED #1* Swim Test *	CMTC-180 (1 cr) ECON-102 MGMT-204 (WI) MKTG-205 WOK or elective (4 cr) Minor #1 or elective	FINA-304 MKTG-365 WOK or elective PSPK-101 (1 cr) Minor #2 or elective	Minor #5 or elective Minor #6 or elective MKTG-elective MKTG-elective MKTG-elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

International Business, Language and Culture

Chestnut Hill College offers a Bachelor of Science (BS) in International Business, Language, and Culture (IBLC). IBLC is an interdisciplinary, globally oriented program that includes a strong language component. It will provide solid preparation for a career in international business, in profit and not-for-profit organizations, competence in French, Spanish, or another language and culture, and a foundation for graduate study. Other language options are possible with the permission of the department. This may require additional study at other institutions at home or abroad. Native speakers of French or Spanish may take up to 12 credits of the required 21 in another language. Supporting courses in other departments complement the Major requirements. Students should discuss any plans for a second Major or minor with an advisor as soon as possible.

Outstanding students may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their Major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. All students who have successfully completed the Honors Program will be recognized with Honors in their Major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

For assistance with this Major, please contact Sr. Mary Helen Kashuba, Room 25B, Fournier Hall. Telephone: 215.248-7124. Email: kashubam@chc.edu. A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. Students are required to complete all computer proficiencies by the end of the Sophomore year.

Students majoring in IBLC must satisfy an International Experience Abroad requirement in a country where the major language is spoken. A second international experience is also recommended by working abroad or in an international division or department of a U.S. organization. The International Experience Abroad may be met by one of the following ways:

International Internship Experience: An approved internship in an organization located in a country where the major language is spoken. The experience must receive prior approval of the Chair of the Business Department and the Chair of the Language Department and must consist of meaningful work activities that will contribute to a student's understanding of and provide practical experience in international business and provide an opportunity to expand the student's cultural knowledge and use of the foreign language studied.

If the organization is in the U.S. the student's work must deal directly with the organization's international operations and require some use of the foreign language the student has studied. Although this is strongly recommended, it does not fulfill the International Experience Abroad Requirement.

If the internship occurs during the summer, it must be full-time for at least 6 weeks. If the internship takes place during the regular academic year and is a part-time position, it must last at least one full semester or approximately 12 weeks. Prior to starting, the student should provide internship details (organization, country, job description, duration of internship, name of supervisor, etc.) to the Chairs of the Business and Foreign Language Departments to ensure that it will meet the IBLC program requirements.

Upon completion of the International Internship Experience, it will be the student's responsibility to complete and provide all the necessary Experiential Education documentation to the Career Services Department for review prior to the granting of credit.

Study Abroad: A study-abroad program at an approved international college or university for credit. The student may choose to enroll in a minimum of one course; however, the course must have an international focus that will increase the student's understanding of international business, language or culture. A full semester program is highly recommended, although a summer program is acceptable. The program must include courses taught in the major language.

Work Study Tour: An international Work Study Tour of three to five firms for a sufficient amount of time at each firm to conduct interviews, surveys of management practices. The student must complete a report in the target language. The student must receive approval from the Chair of the Business Department and the Chair of the Department of Foreign Language prior to the start of the Tour.

Major in International Business, Language and Culture – 79 credits

Courses are 3 credits unless indicated.

Required in the Major / FRENCH:

- ~ IBLC-498: Senior Seminar in IBLC
- ~ ACCT-103: Financial Accounting (*WOK: Behavioral*)
- ~ ACCT-104: Managerial Accounting
- ~ BUSN-101: International Business
- ~ FINA-304: Corporate Finance
- ~ FINA-352: International Financial Management
- ~ MKTG-203: Marketing Principles
- ~ MKTG-206: International Marketing
- ~ MGMT-304: Culture in International Business Decision-Making
- ~ FREN-221: Grammaire et Composition Avancée
- ~ FREN-228: Le Français Commercial
- ~ FREN-231: Introduction à la Culture Française I

- ~ FREN-232: Introduction à la Culture Française II
- ~ One course (3 credits) in French Literature chosen from the following, which may not be offered every semester:
 - ~ FREN-281: Topics in French/Topics vary by semester (*Repeatable for credit*)
 - ~ FREN-341: Le Dix-septième Siècle
 - ~ FREN-342: Le Siècle des Lumières
 - ~ FREN-353: Romantisme et Réalisme
 - ~ FREN-354: Le Vingtième Siècle
 - ~ FREN-355: Le Classicisme Éternel
 - ~ FREN-361: La Littérature Francophone
 - ~ FREN-481: Advanced Special Topics in French/Topics vary by semester (*Repeatable for credit*)
- ~ One course (3 credits) in French from the above list or from the following, which may not be offered every semester:
 - ~ FREN-233: Expériences dans la Civilisation Française
 - ~ FREN-234: Contemporary Culture of the French Regions

Also required:

- ~ CMTC-180: Introduction to Microsoft Access (1 credit)
- ~ CMTC-285: Management Information Systems
- ~ ECON-101: Microeconomic Principles
- ~ ECON-102: Macroeconomic Principles
- ~ ECON-201: Principles of Money and Banking
- ~ ECON-211: Introduction to Global Economics
- ~ FREN-104: Intermediate French II, if warranted by placement
- ~ FREN-222: French for Oral Proficiency (*Native speakers will substitute a course recommended by the Advisor*)
- ~ MATH-201: Mathematics for Management and the Social Sciences I (*WOK: Problem Solving*)
- ~ MATH-202: Mathematics for Management and the Social Sciences II (*WOK: Problem Solving*)
- ~ MATH-227: Introduction to Probability Statistics
- ~ PSCI-341: International Political Economy

*Required in the Major / **SPANISH**:*

- ~ IBLC-498: Senior Seminar in IBLC
- ~ ACCT-103: Financial Accounting (*WOK: Behavioral*)
- ~ ACCT-104: Managerial Accounting
- ~ BUSN-101: International Business
- ~ FINA-304: Corporate Finance
- ~ FINA-352: International Financial Management
- ~ MKTG-203: Marketing Principles
- ~ MKTG-206: International Marketing
- ~ MGMT-304: Culture in International Business Decision-Making
- ~ SPAN-221: Advanced Grammar and Composition
- ~ SPAN-228: Commercial Spanish
- ~ SPAN-231: Introduction to Hispanic Culture/Spain
- ~ SPAN-232: Introduction to Hispanic Culture/Latin America
- ~ One course (3 credits) in Spanish Literature chosen from the following, which may not be offered every semester:
 - ~ SPAN-261: Masterpieces of Hispanic Literature I
 - ~ SPAN-262: Masterpieces of Hispanic Literature II (*Writing Intensive*)
 - ~ SPAN-263: Masterpieces of Hispanic Literature III
 - ~ SPAN-340: Colonial Latin American Literature
 - ~ SPAN-341: The Spanish Golden Age
 - ~ SPAN-353: Nineteenth Century Spanish Literature
 - ~ SPAN-354: Contemporary Spanish Literature
 - ~ SPAN-355: Contemporary Latin American Literature
 - ~ SPAN-361: Literary Works and the Movies They Inspired
 - ~ SPAN-362: Hispanic Women Writers
 - ~ SPAN-365: Literature of the Caribbean
 - ~ SPAN-370: Literature in Translation
 - ~ SPAN-481: Advanced Special Topics in Spanish/Topics vary by semester (*Repeatable for credit*)
- ~ One course (3 credits) in Spanish from the above list or from the following, which may not be offered every semester:
 - ~ SPAN-107: Spanish for Educators I
 - ~ SPAN-108: Spanish for Educators II
 - ~ SPAN-220: Spanish for Heritage Speakers
 - ~ SPAN-281: Special Topics in Spanish/Topics vary by semester (*Repeatable for credit*)

Also required:

- ~ CMTC-180: Introduction to Microsoft Access (1 credit)
- ~ CMTC-285: Management Information Systems

- ~ ECON-101: Microeconomic Principles
- ~ ECON-102: Macroeconomic Principles
- ~ ECON-201: Principles of Money and Banking
- ~ ECON-211: Introduction to Global Economics
- ~ MATH-201: Mathematics for Management and the Social Sciences I (*WOK: Problem Solving*)
- ~ MATH-202: Mathematics for Management and the Social Sciences II (*WOK: Problem Solving*)
- ~ MATH-227: Introduction to Probability and Statistics
- ~ PSCI-341: International Political Economy
- ~ SPAN-104: Intermediate Spanish II, if warranted by placement
- ~ SPAN-222: Advanced Conversation (*Native speakers will substitute a course recommended by the Advisor*)

One semester abroad is highly recommended. Students work with their academic advisor to determine which semester is the most appropriate for that experience. Enrollment in Summer Session courses may be necessary to complete the program in four years.

Sample Bachelor of Science: IBLC Major/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only; it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15/16*	Year Three Fall – 16/17*	Year Four Fall – 15
ACCT-103 BUSN-101 ENGL-101 MATH-201 Language-103 or above FYIN-100*	ECON-102 GLST-201 MATH-227 RLST-104 Language-221 or 231 FYIN-101*	ECON-201 MKTG-203 MGMT-304 Language-231 or Literature ETHS-201 PSPK-101 (1 cr) PHED #2*	RLST-2XX Minor #2 or elective (WI) Language-Literature Minor #3 or elective Minor #4 or elective
Year One Spring – 15/16*	Year Two Spring - 14	Year Three Spring – 15	Year Four Spring – 15
ACCT-104 ECON-101 ILAR-101 MATH-202 Language-104 or above PHED #1* Swim Test*	CMTC-180 (1 cr) ECON-211 Language-222, 232 or elective Minor #1 or elective WOK or elective (4 cr) Language - elective	FINA-304 FINA-352 CMTC-285 MKTG-206 Language-232 or 228	IBLC-498 PSCI-341 Minor #5 or elective Minor #6 or elective Language-elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in International Business – 18 credits

The International Business minor is designed to provide students with an understanding of the theory, structure and process of international economics, business practices, and cultures. Students will gain a working knowledge of the analytical aspects of the international economic system, global economic theory, an understanding of international politics and economic effects of international economic policies on culture. Cultural differences that underlie today's global structure of production and overall business environment will also be explored. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. *Requirements:*

- ~ ACCT-103: Financial Accounting (*WOK: Behavioral*)
- ~ ECON-101: Principles of Macroeconomics (*WOK: Behavioral*)
- ~ ECON-211: Introduction to Global Economics
- ~ MGMT-304: Culture in International Business Decision-Making
- ~ PSCI-341: International Political Economy
- ~ Plus one language course (3 credits) at the 200-Level or above.

COMPUTER SCIENCE and INFORMATION TECHNOLOGY

YEFIM KATS, PhD, ASSISTANT PROFESSOR OF COMPUTER SCIENCE AND INSTRUCTIONAL TECH.

~ CHAIR OF THE DEPARTMENT

~ COORDINATOR OF THE INSTRUCTIONAL TECHNOLOGY GRADUATE PROGRAM

LISA OLIVIERI, SSJ, PhD, ASSOCIATE PROFESSOR OF COMPUTER SCIENCE AND TECHNOLOGY,

~ UNDERGRADUATE PROGRAM COORDINATOR

KAROL LYNN BOBB, DTP, CTT, CIW, ADJUNCT FACULTY

BARBARA CULBERT, MA, ADJUNCT FACULTY

ROBERT LLOYD RINEHART, MEd, MA, ADJUNCT FACULTY

SAUL SENDERS, MS, INSTRUCTOR IN COMPUTER TECHNOLOGY

DEBESAI SOLOMON, MS, ADJUNCT FACULTY

Chestnut Hill College offers a Bachelor of Science (BS) in Computer and Information Sciences, and a Bachelor of Science (BS) in Computer and Information Technology with a choice of one of four concentrations: Digital Forensics; Management Information Systems; Programming; or Web/Multimedia Development. The courses required for the Digital Forensics in the Computer and Information Technology Major prepare students for the ACE certification in Digital Forensics.

A Five-Year Master's degree in Instructional Technology is offered in conjunction with the graduate Instructional Technology program. Interested students should contact Lisa Olivieri, SSJ, Room 201, St. Joseph Hall. Telephone: 215.248.7092. Email: lolivieri@chc.edu.

The Department offers six minors that draw from both the Computer Science and Computer Technology curriculums: Computer Science; Digital Forensics; Information Management; Programming; Management Information Systems; and Web/Multimedia Design. A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation.

Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for any of the Majors. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for a minor.

Departmental Mission

The mission of the Computer Science and Information Technology department is to provide its students with a value-oriented technologically-rich education, enabling them to become reflective self-learners, equipped with the expertise necessary to be of service to one another and to the world. While coursework within the department ranges from theoretical to applied, courses are designed to allow students to grow in knowledge and respect of the world of technology, but most importantly to grow in knowledge and respect of themselves and of the world through the lens of technology.

Internship Opportunities

All students in the department participate in an internship that enables them to apply their academic knowledge and gain experience in the workplace. Students work closely with the Director of Experiential Learning in Career Services and the department internship advisor to complete the internship process. All students also participate in a capstone course, Senior Seminar, which provides students with the opportunity to develop a project that reflects their expertise in their chosen discipline.

Advanced Placement

Students who receive a score of 3, 4, or 5 on the Advanced Placement Computer Science A test will receive 4 credits in Computer Science equivalent to *CMSC-210: Programming in Java*. Students who receive a score of 3, 4, or 5 in Advanced Placement Computer Science AB test will receive 4 credits equivalent to *CMSC-251: Data Structures in Java* and will be exempt from taking *CMSC-210: Programming in Java*.

Certifications

Several courses offered in the department prepare students for the following certifications: A+ certification, Adobe Certified Associate for Web Communication using Dreamweaver, Adobe Certified Associate for Rich Media Communication using Adobe Flash, and Adobe Certified Associate for Visual Communication using Photoshop.

Honors and Honor Societies

Qualified students may be invited to join Epsilon Pi Tau, the International Honor Society for Technology. Students need to complete at least 16 credits of computer science and/or technology courses and maintain a Career GPA of 3.00 and a GPA of 3.25 in the Major. Eligible students are also required to be in the top 35% of their class.

Sigma Zeta is a national science and mathematics honor society founded in 1925. The society is dedicated to encouraging and fostering the attainment of knowledge in mathematics, computer science, and the natural sciences. Criteria for eligibility for membership include a minimum of 15 credits the Major field, a grade point average of 3.00 in the Major field, and a 3.00 grade point average overall. Students majoring in Computer Science may be invited by the department to join Sigma Zeta.

Outstanding students in either Major may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their Major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. All students who have successfully completed the Honors Program will be recognized with Honors in their Major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

Clubs

Chestnut Hill College students from all Majors who are interested in technology are welcome to participate in the Computer Club. The mission of the Computer Club is to help others through technology. The club's activities consist of service projects, member gatherings, fund raising, and information sessions. The club emphasizes teamwork and support.

Proficiency Requirements for All Students

All students must demonstrate proficiency in the following areas:

- ~ Microsoft Excel – Introductory level (*CMTC-103: Introduction to Microsoft Excel*)
- ~ Microsoft PowerPoint – Intermediate level (*CMTC-185: Intermediate PowerPoint*)
- ~ Researching and Formatting Academic Papers (*CMTC-120: Research/Formatting Academic Papers*)

If students have sufficient background in any of these areas, they should take the Proficiency Test administered by the Computer Sciences department; if the results are not successful, they register for the 1-credit course indicated above. Courses taken to fulfill a Computer Proficiency must be passed with a grade of C or better to satisfy the proficiency requirement.

Course Options

In addition to courses for Majors and minors, the department offers several courses for students of any Major interested in fulfilling a Problem Solving *Ways of Knowing* or Writing Intensive requirement, or pursuing an interest without completing a minor. Check the Course Description section for any Pre-Requisites. Courses are three credits unless indicated. Courses open to students of any Major meeting the indicated Pre-Requisites include the following, which may not be offered each semester:

Computer and Information Sciences:

- ~ CMSC-190: Introduction to Programming Logic (*WOK: Problem Solving*)
- ~ CMSC-205: Systems Analysis and Design (*WOK: Problem Solving*)
- ~ CMSC-210: Programming in Java (4 credits) (*WOK: Problem Solving*)
- ~ CMSC-280: Computer Science: History, Trends and Ethical Issues (*Writing Intensive*)
- ~ CMSC-490: Independent Study in Computer Science (*Repeatable for credit*)

Computer and Information Technology:

- ~ CMTC-190: Introduction to Computer Hardware and Peripherals
- ~ CMTC-200: Introduction to Web Development and Design
- ~ CMTC-201: Designing Websites
- ~ CMTC-205: Computer Graphics Design
- ~ CMTC-210: Computer Graphics with Photoshop
- ~ CMTC-490: Independent Study in Information Technology (*Repeatable for credit*)

Computer and Information Sciences

The Major in Computer and Information Sciences is designed to prepare students for graduate study and/or careers in computer science and related fields. Students take a variety of courses that introduce them to programming concepts, data structures, computer algorithms, computer architecture and networking. Students participate in an internship that enables them to apply their academic knowledge and gain experience in the workplace. A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the Minor.

Students declaring a Major in Computer and Information Sciences should schedule an initial placement interview with a member of the faculty either at the formal orientation or at another convenient time. Based on the student's prior experience, *CMSC-190: Introduction to Programming Logic* and *CMTC-190: Introduction to Computer Hardware and Peripherals* may not be required; students will be advised to register for the next level of appropriate coursework.

Major in Computer and Information Sciences – 63 credits

Courses are 3-credits unless indicated.

Required in the Major:

- ~ CMSC-190: Introduction to Programming Logic *
- ~ CMSC-205: Systems Analysis and Design (*WOK: Problem Solving*)
- ~ CMSC-210: Programming in Java (4 credits)
- ~ CMSC-251: Data Structures in Java (4 credits)
- ~ CMSC-280: Computer Science: History, Trends and Ethical Issues (*Writing Intensive*)
- ~ CMSC-285: Algorithms in AI and Robotics
- ~ CMSC-300: Application Development and Design
- ~ CMSC-310: Research Methods in Computer and Information Science **
- ~ CMSC-321: Communications and Networks
- ~ CMSC-350: Computer Architecture and Logic Design (4 credits)
- ~ CMSC-401: Internship in Computer Science
- ~ CMSC-405: Programming Languages
- ~ CMSC-498: Senior Seminar in Computer and Information Sciences
- ~ Choice of one course (3 credits) from the following, which may not be offered every semester:
 - ~ CMDF-200: Introduction to Computer Forensics
 - ~ CMSC-281: Special Topics in Computer Science/Topics vary by semester (*Repeatable for credit*)
 - ~ CMSC-481: Advanced Special Topics in Computer Science/Topics vary by semester (*Repeatable for credit*)

Also required:

- ~ CMTC-190: Introduction to Computer Hardware and Peripherals *
- ~ CMTC-230: Introduction to Data Communications
- ~ CMTC-280: Database Programming
- ~ Choice of:
 - ~ MATH-202: Mathematics for Management and the Social Sciences II (*WOK: Problem Solving*)
 - OR
 - ~ MATH-203: Analytic Geometry and Calculus I (*WOK: Problem Solving*)
- ~ MATH-225: Introduction to Statistics I
- ~ MATH-261: Discrete Methods in Mathematics

Recommended, but not required:

- ~ MATH-204: Analytic Geometry and Calculus II
- ~ PHYS-121: Principles of Physics I (4 credits) (*WOK: Scientific*)
- ~ PHYS-122: Principles of Physics II (4 credits)

* May not be required based on interview. Students who do not need to take this course will choose an elective (3 credits.)

** Student must earn a grade of C or better.

Sample Bachelor of Science: Computer and Information Science Major/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or

interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15/16*	Year Three Fall – 16	Year Four Fall – 15
CMSC-190 or elective CMTC-190 or elective ENGL-101 RLST-104 Language-103 FYIN-100*	CMSC-205 CMSC-251 (4 cr) GLST-201 MATH-202 or 203 WOK or elective FYIN-101*	CMSC-280 (WI) CMTC-280 MATH-225 WOK or elective (4 cr) Minor #2	CMSC-300 CMSC-310 CMSC-401 WOK or elective Minor #4 or elective
Year One Spring – 13/14*	Year Two Spring - 17	Year Three Spring – 15/16*	Year Four Spring – 15
CMSC-210 (4 cr) CMTC-230 ILAR-101 WOK or elective PHED #1* Swim Test*	CMSC-285 CMSC-350 (4 cr) ETHS-201 MATH-261 PSPK-101 (1 cr) Minor #1 or elective	CMSC-321 CMSC-405 RLST-2XX Minor #3 or elective WOK or elective PHED #2	CMSC-498 CMSC elective Minor #5 or elective Minor #6 or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 121

Computer and Information Technology

Chestnut Hill College offers the Bachelor of Science (BS) in Computer and Information Technology. The Major prepares students for the world of technology by introducing them to a variety of current hardware and software technologies. This Major presents sufficient background and experience in problem solving to enable students to learn and adapt to new technologies they will meet in the workplace. These programs provide a solid preparation for students interested in pursuing graduate study in areas of instructional technology. A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. Students majoring in Computer and Information Technology select a concentration in one of four areas:

- ~ Management Information Systems
- ~ Programming
- ~ Web/Multimedia Development
- ~ Digital Forensics (prepares students for the ACE certification in Digital Forensics)

Students declaring a Major in Computer and Information Technology should schedule an initial placement interview with a member of the faculty either at the formal orientation or at another convenient time. Based on the student's prior experience, *CMSC-190: Introduction to Programming Logic* and *CMTC-190: Introduction to Computer Hardware and Peripherals* may not be required; students will be advised to register for the next level of appropriate coursework.

Major in Computer and Information Technology/Digital Forensics Concentration – 52 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ CMTC-190: Introduction to Computer Hardware and Peripherals *
- ~ CMTC-230: Introduction to Data Communications
- ~ CMTC-260: Applied Operating Systems
- ~ CMTC-280: Database Programming
- ~ CMTC-330: Introduction to Visual Basic Programming (4 credits)
- ~ CMTC-310: Research Methods in Computer and Information Technology **
- ~ CMTC-401: Internship in Computer and Information Technology
- ~ CMTC-498: Senior Seminar: Computer and Information Technology
- ~ CMDF-200: Introduction to Digital Forensics
- ~ CMDF-220: Legal Issues in Digital Forensics I
- ~ CMDF-260: Legal Issues in Digital Forensics II
- ~ CMDF-300: Advanced Digital Forensics
- ~ CMDF-320: Legal and Technical Writing in Digital Forensics
- ~ CMSC-190: Introduction to Programming Logic (*WOK: Problem Solving*) *
- ~ CMSC-280: Computer Science: History, Trends and Ethical Issues (*Writing Intensive*)

Also required:

- ~ CRJU-225: Criminal Procedure (WOK: Behavioral)
- ~ Choice of any MATH course above MATH-100 (placement contingent upon Math Proficiency Test Score)

Recommended, but not required:

- ~ CHEM-106: Introduction to Forensic Science (4 credits) (WOK: Scientific)

- ~ CMDF-481: Advanced Special Topics in CMDF/Topics vary by semester (Repeatable for credit)
- ~ CMSC-210: Programming in Java (4 credits)

*Based on the student's prior experience, *CMSC-190: Introduction to Programming Logic* and *CMTC-190: Introduction to Computer Hardware and Peripherals* may not be required; students will be advised to register for the next level of appropriate coursework.

** Grade of C or better is required.

Sample Bachelor of Science: Computer Science and Technology Major/Digital Forensics Concentration /selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15/16*	Year Three Fall – 16/17*	Year Four Fall – 15
CMSC-190 or elective CMTC-190 or elective ENGL-101 RLST-104 Language-103 FYIN-100*	CMTC-260 CMTC-280 GLST-201 MATH above 100 WOK or elective FYIN-101*	CMDF-220 CMSC-280 (WI) CMTC-330 (4 cr) CRJU-225 Minor #2 or elective PHED #2*	CMTC-310 CMTC-401 WOK or elective WOK or elective Minor #4 or elective
Year One Spring – 15/16*	Year Two Spring – 16	Year Three Spring – 16	Year Four Spring – 13
CMTC-230 ILAR-101 WOK or elective WOK or elective WOK or elective PHED #1* Swim Test*	CMDF-200 CMTC-280 ETHS-201 PSPK-101 (1 cr) Minor #1 or elective WOK or elective	CMDF-260 CMDF-300 RLST-2XX Minor #3 or elective WOK or elective (4 cr)	CMDF-320 CMTC-498 Minor #5 or elective Minor #6 or elective Elective (1 cr)

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Major in Computer and Information Technology/Management Information Systems Concentration – 55 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ CMTC-190: Introduction to Computer Hardware and Peripherals*
- ~ CMTC-200: Introduction to Web Development and Design
- ~ CMTC-230: Introduction to Data Communications
- ~ CMTC-260: Applied Operating Systems
- ~ CMTC-280: Database Programming
- ~ CMTC-285: Management Information Systems
- ~ CMTC-300: Web Design: xHTML and JavaScript
- ~ CMTC-310: Research Methods in Computer and Information Technology **
- ~ CMTC-330: Introduction to Visual Basic Programming (4 credits) (*WOK: Problem Solving*)
- ~ CMTC-401: Internship in Computer and Information Technology
- ~ CMTC-498: Senior Seminar: Computer and Information Technology

Also required:

- ~ BUSN-104: Introduction to Business (*WOK: Behavioral*)
- ~ CMSC-190: Introduction to Programming Logic*
- ~ CMSC-205: Systems Analysis and Design (*WOK: Problem Solving*)
- ~ CMSC-280: Computer Science: History, Trends and Ethical Issues (*Writing Intensive*)
- ~ MGMT-105: Principles of Management
- ~ MGMT-205: Project Management
- ~ Choice of any MATH course above MATH-100 (placement contingent upon Math Proficiency Test Score)

*Based on the student's prior experience, *CMSC-190: Introduction to Programming Logic* and *CMTC-190: Introduction to Computer Hardware and Peripherals* may not be required; students will be advised to register for the next level of appropriate coursework.

** Student must earn a grade of C or better.

Sample Bachelor of Science: Computer and Information Technology Major/Management Information Systems Concentration /selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16	Year Two Fall – 16/17	Year Three Fall – 15/16*	Year Four Fall – 15
CMSC-190 or elective	CMTC-200	CMSC-280 (WI)	CMTC-310

CMTC-190 or elective ENGL-101 Language-103 RLST-104 FYIN-100*	GLST-201 MATH above 100 MGMT-105 WOK or elective (4 cr) FYIN-101*	CMTC-280 CMTC-300 Minor #2 or elective WOK or elective PHED #2*	CMTC-401 MGMT-205 WOK or elective Minor #4 or elective
Year One Spring – 15/16	Year Two Spring - 16	Year Three Spring – 16	Year Four Spring – 12
BUSN-104 CMTC-230 ILAR-101 WOK or elective WOK or elective PHED-#1* Swim Test*	CMTC-260 CMTC-285 ETHS-201 PSPK-101 (1 cr) Minor #1 or elective WOK or elective	CMTC-330 (4 cr) RLST-2XX Minor #3 or elective WOK or elective WOK or elective	CMSC-205 CMTC-498 Minor #5 or elective Minor #6 or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Major in Computer and Information Technology/ Web/Multimedia Development Concentration – 52 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ CMTC-190: Introduction to Computer Hardware and Peripherals*
- ~ CMTC-200: Introduction to Web Development and Design
- ~ CMTC-201: Designing Websites
- ~ CMTC-205: Computer Graphics Design
- ~ CMTC-210: Computer Graphics with Photoshop
- ~ CMTC-260: Applied Operating Systems
- ~ CMTC-280: Database Programming
- ~ CMTC-300: Web Design: xHTML and JavaScript
- ~ CMTC-310: Research Methods in Computer and Information Technology **
- ~ CMTC-320: Presentations in Multimedia
- ~ CMTC-330: Introduction to Visual Basic Programming (4 credits) (WOK: Problem Solving)
- ~ CMTC-401: Internship in Computer and Information Technology
- ~ CMTC-498: Senior Seminar: Computer and Information Technology

Also required:

- ~ CMSC-190: Introduction to Programming Logic (WOK: Problem Solving) *
- ~ CMSC-280: Computer Science: History, Trends and Ethical Issues (Writing Intensive)
- ~ COMM-221: Video Design and Production I
- ~ Choice of any MATH course above MATH-100 (placement contingent upon Math Proficiency Test Score)

Recommended, but not required:

- ~ COMM-203: Visual Literacy
- ~ COMM-252: Writing for Electronic Media (Writing Intensive)

*Based on the student's prior experience, CMSC-190: Introduction to Programming Logic and CMTC-190: Introduction to Computer Hardware and Peripherals may not be required; students will be advised to register for the next level of appropriate coursework.

** Student must earn a grade of C or better.

Sample Bachelor of Science: Computer and Information Technology Major/ Web/Multimedia Development Concentration/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15/16*	Year Three Fall – 15	Year Four Fall – 15/16*
CMSC-190 or elective CMTC-190 or elective ENGL-101 RLST-104 Language-103 FYIN-100*	COMM-221 CMTC-205 GLST-201 MATH above 100 WOK or elective PHED #2*	CMSC-280 (WI) CMTC-201 CMTC-280 CMTC-300 Minor #2 or elective	CMTC-260 CMTC-310 CMTC-401 WOK or elective Minor #4 or elective FYIN-101*with Internship
Year One Spring – 15/16*	Year Two Spring - 15	Year Three Spring – 16	Year Four Spring – 15
CMTC-200	CMTC-210	CMTC-320	CMTC-498

ILAR-101 WOK or elective WOK or elective WOK or elective PHED-#1* Swim Test*	ETHS-201 Minor #1 or elective WOK or elective WOK or elective	CMTC-330 (4 cr) PSPK-101 (1 cr) RLST-2XX Minor #3 or elective Elective (1 cr)	Minor #5 or elective Minor #6 or elective WOK or elective WOK or elective
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*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 121

Major in Computer and Information Technology/ Programming Concentration – 57 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ CMTC-190: Introduction to Computer Hardware and Peripherals *
- ~ CMTC-230: Introduction to Data Communications
- ~ CMTC-260: Applied Operating Systems
- ~ CMTC-280: Database Programming
- ~ CMTC-300: Web Design: xHTML and JavaScript
- ~ CMTC-310: Research Methods in Computer and Information Technology **
- ~ CMTC-330: Introduction to Visual Basic Programming (4 credits) (WOK: Problem Solving)
- ~ CMTC-401: Internship in Computer and Information Technology
- ~ CMTC-498: Senior Seminar: Computer and Information Technology

Also required:

- ~ CMSC-190: Introduction to Programming Logic) *
- ~ CMSC-210: Programming in Java (4 credits) (WOK: Problem Solving)
- ~ CMSC-251: Data Structures in Java (4 credits)
- ~ CMSC-280: Computer Science: History, Trends and Ethical Issues (Writing Intensive)
- ~ CMSC-285: Algorithms in AI and Robotics
- ~ CMSC-300: Application Development
- ~ CMSC-405: Programming Languages
- ~ Choice of any MATH course above MATH-100 (placement contingent upon Math Proficiency Test Score)
- ~ One course chosen from the following, which may not be offered every semester:
 - ~ CMSC-281: Special Topics in CMSC/Topics vary by semester (Repeatable for credit)
 - ~ CMSC-350: Computer Architecture and Logic Design (4 credits)
 - ~ CMSC-481: Advanced Special Topics in CMSC/Topics vary by semester (Repeatable for credit)

* May not be required based on interview. Students who do not need to take this course will choose an elective (3 credits.)

** Must earn a grade of C or better.

Sample Bachelor of Science: Computer and Information Technology Major / Programming Concentration / selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15	Year Three Fall – 15/16*	Year Four Fall – 15/16*
CMSC-190 or elective CMTC-190 or elective ENGL-101 Language-103 RLST-104 FYIN-100*	CMSC-251 (4 cr) CMTC-260 MATH above 100 WOK or elective WOK or elective	CMSC-280 (WI) CMSC-405 CMTC-300 WOK or elective Minor #2 or elective PHED #2*	CMSC-300 CMTC-310 CMTC-401 CMSC elective Minor #4 or elective FYIN-101* with Internship
Year One Spring – 13/14*	Year Two Spring - 16	Year Three Spring – 16	Year Four Spring – 15
CMSC-210 (4 cr) CMTC-230 ILAR-101 WOK or elective (1 cr) WOK or elective PHED-#1* Swim Test*	CMTC-280 ETHS-201 GLST-201 PSPK-101 (1 cr) Minor #1 or elective WOK or elective	CMTC-330 (4 cr) CMSC-285 RLST-2XX Minor #3 or elective WOK or elective	CMTC-498 Minor #5 or elective Minor #6 or elective WOK or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Computer Science– 21 credits

Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Courses are 3 credits unless indicated. *Requirements:*

- ~ CMSC-190: Introduction to Programming Logic (*WOK: Problem Solving*) *
- ~ CMSC-210: Introduction to Java Programming (4 credits) (*WOK: Problem Solving*)
- ~ CMSC-251: Data Structures in Java (4 credits)
- ~ CMSC-350: Computer Architecture and Logic Design (4 credits)
- ~ Two courses (6 credits) in Computer Science chosen from the following, which may not be offered every semester:
 - ~ CMSC-205: Systems Analysis and Design
 - ~ CMSC-280: Computer Science: History, Trends and Ethical Issues (*Writing Intensive*)
 - ~ CMSC-285: Algorithms in AI and Robotics
 - ~ CMSC-300: Application Development
 - ~ CMSC-321: Communications and Networks
 - ~ CMSC-405: Programming Languages

* May not be required based on interview. Students who do not need to take this course will choose an elective (3 credits.)

Minor in Information Management – 19 credits

Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Courses are 3 credits unless indicated. *Requirements:*

- ~ CMTC-190: Introduction to Computer Hardware and Peripherals
- ~ CMTC-200: Introduction to Web Design and Development
- ~ CMTC-230: Introduction to Data Communications
- ~ CMTC-280: Database Programming
- ~ CMSC-190: Introduction to Programming Logic (*WOK: Problem Solving*)
- ~ CMSC-210: Introduction to Java Programming (4 credits) (*WOK: Problem Solving*)

Minor in Web/Multimedia Design – 18 credits

Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Courses are 3 credits unless indicated. *Requirements:*

- ~ CMTC-200: Introduction to Web Development and Design
- ~ CMTC-201: Designing Websites
- ~ CMTC-205: Computer Graphics Design
- ~ CMTC-210: Computer Graphics with Photoshop
- ~ CMTC-300: Web Design: xHTML and JavaScript
- ~ CMTC-320: Presentations in Multimedia

Minor in Programming – 21 credits

Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Courses are 3 credits unless indicated. *Requirements:*

- ~ CMSC-190: Introduction to Programming Logic (*WOK: Problem Solving*)
- ~ CMSC-210: Introduction to Java Programming (4 credits) (*WOK: Problem Solving*)
- ~ CMSC-251: Data Structures in Java (4 credits)
- ~ CMTC-330: Introduction to Visual Basic Programming (4 credits)
- ~ Choose two courses (6 credits) from the following, which may not be offered every semester:
 - ~ CMSC-281: Special Topics in CMSC/Topics vary by semester (*Repeatable for credit*)
 - ~ CMSC-285: Algorithms in AI and Robotics
 - ~ CMSC-300: Application Development
 - ~ CMSC-481: Advanced Special Topics in CMSC/Topics vary by semester (*Repeatable for credit*)
- ~ CMTC-280: Database Programming

Minor in Management Information Systems – 18 credits

Courses are 3 credits unless indicated. *Requirements:*

- ~ CMTC-190: Introduction to Computer Hardware and Peripherals
- ~ CMTC-230: Introduction to Data Communications
- ~ CMTC-260: Applied Operating Systems
- ~ CMTC-280: Database Programming
- ~ CMTC-285: Management Information Systems
- ~ CMSC-205: Systems Analysis and Design (*WOK: Problem Solving*)

Minor in Digital Forensics – 18 credits

Courses are 3 credits unless indicated. New minor – Fall 2011. *Requirements:*

- ~ CMDF-200: Introduction to Digital Forensics (*See Pre-Requisites.*)

- ~ CMDF-220: Legal Issues/Digital Forensics I
- ~ CMDF-260: Legal Issues/Digital Forensics II
- ~ CMDF-300: Advanced Digital Forensics
- ~ CMDF-320: Technical Writing in Digital Forensics
- ~ CMTC-190: Introduction to Computer Hardware and Peripherals

Combined BS/MS in Instructional Technology

The five-year program in Instructional Technology enables students majoring in Computer and Information Science or Computer and Information Technology to begin a master's degree in Instructional Technology before completing their undergraduate studies. Educational institutions and businesses need developers for online courses and designers for online training. This program will prepare students to fill those roles.

Beginning the summer before the student's Junior year, the student takes at least one graduate course in Instructional Technology most semesters. During the summer following the Senior year, the student will take two graduate courses and complete the remaining required graduate courses and thesis during the fifth year of study. Because of the intense nature of this program, students should discuss any plans for a minor with an academic advisor.

Sample Bachelor of Science in either Major and Master of Science in Instructional Technology:

Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall	Year Two Fall	Year Three Fall	Year Four Fall	Year Five Fall
Follow sample schedule for undergraduate major	Follow sample schedule for undergraduate major plus an extra WOK or elective.	Follow sample schedule for undergraduate major but replace WOK/elective with a graduate course.	Follow sample schedule for undergraduate major plus one graduate course.	Three graduate courses.
Year One Spring	Year Two Spring	Year Three Spring	Year Four Spring –	Year Five Spring
Follow sample schedule for undergraduate major.	Follow sample schedule for undergraduate major plus an extra Way of Knowing/elective.	Follow sample schedule for undergraduate major but replace WOK/elective with a graduate course.	Follow sample schedule for undergraduate major.	Three graduate courses to complete the program.
Year One Summer	Year Two Summer	Year Three Summer	Year Four Summer	
No courses required.	Take one graduate course.	Take one graduate course.	Take one graduate course.	

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for BS: 121

Total Academic Credits required for the MS: 36

EDUCATION

CAROL M. PATE, EDD, ASSOCIATE PROFESSOR OF EDUCATION

~ CHAIR OF THE EDUCATION DEPARTMENT

JESSICA KAHN, PHD, PROFESSOR OF EDUCATION

~ UNDERGRADUATE PROGRAM COORDINATOR

RICHARD BLACK, EDD, ASSISTANT PROFESSOR OF EDUCATION

THERESA CARFAGNO, EDD, ASSISTANT PROFESSOR OF EDUCATION

DOMINIC COTUGNO, EDD, ASSOCIATE PROFESSOR OF EDUCATION

MELANIE COHEN GOODMAN, PHD, ASSISTANT PROFESSOR OF EDUCATION

DEBRA L. LAWRENCE, PHD, ASSISTANT PROFESSOR OF EDUCATION

ANA MARJANOVIC-SHANE, PHD, ASSISTANT PROFESSOR OF EDUCATION

TERI WIEDEMAN-ROUSE, MEd, INSTRUCTOR OF EDUCATION

Chestnut Hill College offers a Bachelor of Science (BS) in Early Education and a Bachelor of Science (BS) in Middle-Level Education, both leading to Pennsylvania Department of Education Certification. The BS in Middle-Level Education offers concentrations in English/Language Arts/Reading; English/Language Arts/Reading and Math; English/Language Arts/Reading and Science; Social Studies; or Science and Math. In addition, the Secondary Education Certification Program awards students a minor in Secondary Education. For information on any of the programs, please contact Carol Pate, 4th Floor, St. Joseph Hall. Telephone: 215.248-7127. Email: cmpate@chc.edu.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation from the College; however, a Major and Career GPA of 2.80 or above is required for Certification (Praxis II scores must be one standard deviation above qualifying score for GPS 2.80-2.99). Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the College requirements for either of the Majors. Majors may need to re-take courses with C- grades if their Career GPA is less than what is required by the Pennsylvania Department of Education (PDE) for Certification or if a higher grade is required to demonstrate competency as identified by the department.

Although a student will be classified as an Early Education/Pre-K to 4 Candidate or a Middle-Level (4-8) Education Candidate on the virtue of acceptance into the College, formal acceptance into either major occurs prior to the Junior year. Requirements for formal acceptance appear in this catalog. Being classified as an Early Education or Middle-Level Education Candidate does not infer nor guarantee formal acceptance into either program.

Student Teaching courses cannot be repeated at the undergraduate level, and a “passing” grade does not guarantee recommendation for Certification. Check with an Academic Advisor in the Education Department before registering for a Student Teaching course to discuss the unique requirements.

The Secondary Education Certification Program/Secondary Education minor integrates educational theory and practice with field experiences that include practicum and student teaching, as well as opportunities to develop teaching competence through innovative and effective approaches to the educational process with focus on students at the Secondary Level. The Program is available as a minor in Secondary Education accompanied by majors in the following content areas:

- ~ Secondary Education, Grades K through 12
 - ~ Latin (Foreign Language Certification)
 - ~ French (Foreign Language Certification)
 - ~ Spanish (Foreign Language Certification)
- ~ Secondary Education, Grades 7 through 12
 - ~ Biology, Biochemistry; Forensic Sciences; Environmental Sciences; Molecular Biology (Biology, or General Science Certification)
 - ~ Chemistry (Chemistry Certification)
 - ~ English Literature; Communications (English Certification)
 - ~ Mathematics; Math and Computer Science (Mathematics Certification)
 - ~ History; Political Science (Social Studies Certification)

Montessori Education

Chestnut Hill College also offers Montessori Education for Preschool (3- to 6-years-old) through the American Montessori Society. Students interested in becoming a Montessori teacher may take coursework in the College’s Montessori Pre-primary Teacher Preparation Program. Successful completion of this program leads to a Pre-primary

Credential from the American Montessori Society, usually in conjunction with the state certification program in Early Education. Students enrolled in other majors may also take additional course work in Montessori Education.

Departmental Mission

The Department of Education's Programs combine a sound liberal arts education with specific training in educational and child/adolescent development, in curriculum methods and materials, and in extensive fieldwork. The mission of the Education Department is to build on the intellectual and holistic foundation of the mission of Chestnut Hill College by helping students develop the professional skills and attitudes to educate a diverse community of learners and to foster a deep commitment to teaching and lifelong learning.

Honors, Honor Societies and Memberships

Kappa Delta Epsilon is an honorary professional society, the purpose of which is to promote the cause of Education by fostering a spirit of fellowship, high standards of scholastic attainment, and professional ideals among its members. Members are invited and expected to maintain a Career GPA of 3.00 or higher.

Membership in the Council for Exceptional Children is open to all education majors and minors. The purpose is to provide opportunities to discuss the latest research on the educational needs of children with disabilities, to foster a spirit of educational fellowship and to provide service to students, schools and organizations working in the areas of special education.

Outstanding students may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. All students who have successfully completed the Honors Program will be recognized with Honors in their major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

General Requirements for Admission to the Majors

The Chapter 354 rules and regulations from the Pennsylvania Department of Education determine the requirements for admissions to an approved certification program. First-year students declaring an Early Education or Middle-Level Education program must take the Reading and Writing Praxis tests before their Sophomore year. Students who do not pass one or both of the tests will be advised about the assistance that is available, including the writing center, PLATO Praxis series practice tests and other available supports. Candidates for Early Education should apply to the Education Department for formal acceptance to the certification program after completion of 48 credits. Students majoring in Middle-Level Education should apply to the Education Department after completion of 60 credits to ensure that at least four Education courses are completed and a GPA of 2.80 or higher is obtained. Students who apply at a later time may need to take courses in summer sessions and/or take courses for an additional semester in order to complete the program within a four-year schedule.

The formal application process (also included in the Education Department's Handbook available in the Education Department) includes submission of the following items: two letters of recommendation attesting to the student's cognitive, physical and social capabilities in preparation for teaching; documentation of a minimum Career GPA of 2.80 and a major GPA of 3.00 at the time of application; documentation of six credits of English (one writing course, one literature- a grade of C or better required in *ENGL-101: College Writing*) and six credits of Math (*MATH-231: Basic Mathematical Theory and Applications I* and *MATH-232: Basic Mathematical Theory and Applications II* with a grade of C or better); documentation of 40 hours of observation; and participation in educationally related settings (can be accomplished through required field experiences in education courses); Stage One Portfolio; documentation of passing the three PPST tests (Reading, Writing and Math) at time of application to the certification program; and successful completion of designated course.

Special note for transfer students: Requirements for transfer students seeking admission to the certification program will be determined on an individual basis by an academic advisor and the Education Department.

An Admissions and Review Committee from the Education Department, consisting of three Education Department faculty members, will review all applications that are deficient in one or more areas (for example, students who have less than a 3.00 GPA in the major at the time of application). Depending on the information submitted as part of the

admissions process, the following might occur: a student would be advised to choose another major so that the student has time to fulfill the requirements for the new major or a student may receive conditional approval to continue one additional semester of coursework in order to meet admissions requirements. After examining the information, the Admissions and Review Committee will notify the student's advisor of the decision. A student will receive a letter from the department indicating the decision to include further steps necessary either to continue in the process of acceptance or to work with the advisor for other options. A student whose application for admission to the certification program is denied may appeal to a faculty panel made up of a minimum of three Education Department faculty members, inclusive of the Chair of the department. The faculty panel will review the information and make a final decision.

Students accepted into the program will begin their practicum and student teaching experiences in the beginning of their Junior year. In addition, specific physical, social, professional, and cognitive capabilities are continually assessed through the monitoring of coursework and evaluations during the practicum and student teaching experiences through specific key assessments. The results of the key assessments are crucial to determining a final recommendation for certification.

The Education Department uses criteria outlined in the practicum and student teaching handbooks to continually evaluate a candidate's performance. If any concern about the candidate's performance is raised during the practicum and/or student teaching experiences, the concern will be brought to the Admissions and Review Committee. Information and documentation will be gathered from faculty members as well as practicum and/or student teaching supervisors who have had the student in class. In addition, completed evaluations and other relevant information will be obtained in order to make a determination of the candidate's continuation in the certification program.

Following the successful completion of coursework; Stage I, II, III and IV (student teaching) field experiences; and receipt of passing scores on the required Praxis II tests for the certification area, a student may be eligible to apply for Pennsylvania Instructional I Certification. PDE certification requirements must be completed at the time of application; however, students who graduate with a GPA of 2.80-2.99 will not be eligible to be recommended for Early Education or Middle-Level Certification unless they pass the requisite Praxis II examinations by a 1.0 or higher standard deviation above the qualifying score. For students who graduate with a 3.00 GPA or higher, the qualifying Praxis II score may be lower. Please contact an advisor for specifics.

Program Competencies

All students in the Early Education (PreK-4), Middle Level Education (Grades 4-8) majors and Secondary Education (K-12; 7-12 content areas) minor certification programs must be physically, socially, cognitively, and professionally able to meet specific competencies as part of the admissions process through the completion of approved coursework and fieldwork experiences, and when exiting the program.

- ~ Evidence of physical capabilities is the demonstration of an ability to fully maintain a safe and supportive learning environment for children as demonstrated through field experiences in specific courses, approved practicum placements and student teaching.
- ~ Evidence of social capabilities is the demonstration of a student's ability to teach with poise, confidence and control in a classroom environment, as well as to develop and maintain professional relationships as demonstrated in coursework, practicum and student teaching experiences.
- ~ Evidence of cognitive abilities includes a Career GPA of 2.80 with a GPA of 3.00 in the major and successful completion of all coursework and fieldwork experiences.
- ~ Evidence of professional abilities.

Exit Competencies

Students are required to complete a student teaching portfolio that provides documentation of the following competencies:

- ~ The teacher understands the central concepts, tools of inquiry, and structures of the discipline the teacher teaches and can create learning experiences that make these aspects of subject matter meaningful for all students.
- ~ The teacher understands how all children learn and develop, and can provide learning opportunities that support their intellectual, social, career and personal development.
- ~ The teacher understands how students differ in their ability and approaches to learning and creates opportunities that foster achievement of diverse learners in the inclusive classroom.
- ~ The teacher understands and uses a variety of instructional strategies, including interdisciplinary learning experiences, to encourage students' development of critical thinking, problem-solving and performance skills.

- ~ The teacher cognitively, physically and socially demonstrates the ability to provide for the safety and well-being of all students. The teacher will utilize individual and group behavior strategies that create a learning environment supporting positive social interaction, active engagement in learning and self-discipline.
- ~ The teacher uses knowledge of effective verbal, nonverbal, and media communication techniques, supported by appropriate technology to foster active inquiry, collaboration, and supportive interaction in the classroom.
- ~ The teacher plans instruction based on knowledge of subject matter, students, and the community and curriculum goals. The teacher understands and uses formal and informal assessment strategies to evaluate and ensure the continuous intellectual, social and physical development of the learner
- ~ The teacher thinks systematically about practice, learns from experience, seeks the advice of others, draws upon educational research and scholarship and actively seeks out opportunities to grow professionally.
- ~ The teacher contributes to school effectiveness by collaborating with other professionals and parents by using community resources, and by working as an advocate to improve opportunities for student learning.

Portfolio Requirements

Beginning in the Sophomore year students will begin gathering evidence (including coursework papers, observations, and education course class presentations) for review by their advisors and also, in subsequent years, by their practicum supervisors and their student teacher advisors. The Sophomore and Junior year portfolio criteria have been configured to meet the PDE's specific program content, performance and professionalism guidelines for Early, Middle-Level or Secondary Education. The student teaching portfolio has been configured to demonstrate the exit competencies that reflect an integration of the pre-services experiences. This final portfolio also serves as part of the professional application process when seeking a teaching position.

Exit Criteria

Included in the student teaching portfolio must be documentation indicating the following criteria have been met:

- ~ Successful completion of all program coursework, field experiences and student teaching in the certification program:
 - ~ Career GPA of 2.80 or higher and a 3.00 or higher GPA in the major;*
 - ~ Successful completion of exit competencies evaluated by the PDE 430 form and student teaching (Stage IV);
 - ~ Stage IV portfolio; and
 - ~ Passing scores in all appropriate Praxis II Series exams required by PDE, with the approved score based on GPA.

* Students who graduate with a Career GPA of 2.80-2.99 will not be eligible to be recommended for Early, Middle-Level or Secondary Education Certification unless they pass the requisite Praxis II examinations by 1.0 or higher standard deviation above the qualifying score. For students who graduate with a 3.00 GPA or higher, the qualifying Praxis II score may be lower.

Early Education (PreK – 4)

Students majoring in Early Education (PreK-4) will complete courses within the Education Department, including student teaching and the student teaching seminar in addition to meeting all Core Requirements. Students also qualify for a minor in Special Education, and an academic advisor will assist with this aspect of course planning.

Major in Early Education (PreK-4) - 89 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ EDP4-201: Development/Early Years
- ~ EDP4-202: Educational Psychology/Early Years (*WOK: Behavioral*)
- ~ EDP4-203: ECE Foundations
- ~ EDP4-204: ECE Methods
- ~ EDP4-207: Early Literacy
- ~ EDP4-210: Reading with Trade Books
- ~ EDP4-301: Health and Safety Methods
- ~ EDP4-311: K-4 Writing Methods
- ~ EDP4-314: Creative Arts Methods
- ~ EDP4-315: Math Methods and Assessment
- ~ EDP4-316: Social Studies Methods and Assessment
- ~ EDP4-317: Science Methods and Assessment
- ~ EDP4-318: Family and Community Partners
- ~ EDP4-320: PreK-4 Assessment and Applied Instruction
- ~ EDP4-321: Classroom Management and Applied Instruction
- ~ EDP4-420: Professionalism in Student Teaching (6 credits) *
- ~ EDP4-421: Professional Student Teaching Seminar
- ~ EDP4-498: Senior Seminar in Education

Also required:

- ~ MATH-231: Basic Mathematical Theory and Applications I (WOK: Problem Solving) **
- ~ MATH-232: Basic Mathematical Theory and Applications II (WOK: Problem Solving) **
- ~ EDSP-312: Reading Intervention for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations
- ~ EDSP-355: Instruction in Inclusive Environment
- ~ EDSP-390: ESL Foundations and Methods
- ~ HSVC-105: Introduction to Human Services
- ~ PHED-107: Movement for Children (2 credits)
- ~ Foreign Language at the 103-level or higher (SPAN-107 and/or SPAN-108 recommended)
- ~ One ENGL-200-level Writing Intensive Literature course (3 credits) ** chosen from the following, which may not be offered every semester:
 - ~ ENGL-203: Approaches to Literature (WOK: Literary and Writing Intensive)
 - ~ ENGL-241: Gender and Literature (WOK: Literary and Writing Intensive)
 - ~ ENGL-280: American Literature of the 1920s: The Lost Generation (WOK: Literary and Writing Intensive)
 - ~ ENGL-301: American Novel (WOK: Literary and Writing Intensive)
 - ~ ENGL-308: British Novel (WOK: Literary and Writing Intensive)

* Student Teaching courses cannot be repeated; a “passing” grade does not guarantee recommendation. Check with an Academic Advisor in the Education Department before registering for a Student Teaching course to discuss the unique requirements.

**Grade of C or better is required.

Sample Bachelor of Science in Early Education (PreK-4)/Special Education minor: Please note that this is a suggested academic plan only, it is not meant to address each student’s individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student’s responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the major.

Year One Fall – 15/16*	Year Two Fall – 15	Year Three Fall – 16	Year Four Fall – 15
ENGL-101** MATH-231 ** RLST-104 Language-103 or above WOK (A or H) FYIN-100*	EDP4-203 EDP4-207 ENGL-2XX (WI) ** Language or Elective GLST-201	EDP4-314 EDP4-311 EDP4-320 EDSP-340 PSPK-101 (1 cr) RLST-2XX	EDP4-301 EDP4-317 EDP4-498 EDSP-312 EDSP-355
<i>Student takes PRAXIS I PPST series (reading, writing and math.)</i>	<i>Student begins Stage I Portfolio.</i>	<i>Student begins Stage II Portfolio; acceptance at middle or end of Junior year.</i>	<i>Student meets Benchmark 2.</i>
Year One Spring – 16	Year Two Spring - 17	Year Three Spring – 15	Year Four Spring – 12/13*
EDP4-201 ILAR-101 MATH-232** WOK (S) (4 cr) WOK (A or H)	EDP4-202 EDP4-204 EDP4-210 ETHS-201 HSVC-105 PHED-107 (2 cr)/Swim Test	EDP4-321 EDP4-315 EDP4-316 EDP4-318 EDSP-345	EDP4-420 (6 cr) EDP4-421 EDSP-390 FYIN-101*
	<i>Student meets Benchmark 1; successfully completes Stage I Portfolio; applies and can be accepted into Education Dept.</i>		<i>Successfully completes Stage III Portfolio. Student meets Benchmark 3. Student meets all Exit Criteria and Exit Competencies.</i>

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

**Grade of C or better is required.

Minimum Academic Credits required for graduation: 121

Middle-Level Education (Grades 4-8)

Middle-Level Education (Grades 4-8) majors choose a concentration in either English/Language Arts/Reading; English/Language Arts/Reading and Math; English/Language Arts/Reading and Science; Social Studies; or Science and Math. Middle-Level Education majors also earn a minor in Special Education.

Major in Middle-Level Education (Grades 4 -8)/Concentration in English/Language Arts/Reading/Minor in Special Education – 110.5 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ EDML-201: Development/Middle Years
- ~ EDML-202: Educational Psychology/Middle Years (WOK: Behavioral)

- ~ EDML-222: The Emerging Middle School
- ~ EDML-310: Reading Methods I
- ~ EDML-311: Writing Methods
- ~ EDML-312: Reading Methods II
- ~ EDML-315: Math Methods and Assessment
- ~ EDML-316: Social Studies Methods and Assessment
- ~ EDML-317: Science Methods and Assessment
- ~ EDML-320: Assessing Student Learning
- ~ EDML-321: Classroom Management and Instruction
- ~ EDML-420: Professionalism in Student Teaching (6 credits)
- ~ EDML-421: Professional Student Teaching Seminar *
- ~ EDML-498: Senior Seminar in Education

Also required:

- ~ BIOL-101: Inquiry Into Life I (3.5 credits) (*WOK: Scientific*)
- ~ BIOL-106: Ecology and Environmental Issues (4 credits)
- ~ EDSP-312: Reading Intervention for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations
- ~ EDSP-355: Instruction in Inclusive Environment
- ~ EDSP-390: ESL Foundations and Methods
- ~ ENGL-205: American Poetry
- ~ ENGL-260: Ethnic Voices
- ~ ENGL-300: James Joyce and Ulysses
- ~ HIST-101: West Civilization: Antiquity-Renaissance (*WOK: Historical*)
- ~ HIST-141: American Survey: Colonial - Civil War
- ~ HIST-250: The Pennsylvania Experience
- ~ GLST-205: Economic Geography: Humanity/Environments (*Pending approval*)
- ~ MATH-231: Basic Mathematical Theory and Applications I (*WOK: Problem Solving*) **
- ~ MATH-232: Basic Mathematical Theory and Applications II **
- ~ MATH-233: Basic Mathematical Theory and Applications III ** %
- ~ PHYS-105: Physical and Earth and Space Science (4 credits)
- ~ Choice of:
 - ~ ARTH-101: Western Art-Prehistoric to Gothic (*WOK: Artistic*)
 - OR
 - ~ ARTH-102: Western Art-Early Renaissance to Modern (*WOK: Artistic*)
- ~ Choice of one ENGL-200-level Writing Intensive course (3 credits) ** chosen from the following, which may not be offered every semester:
 - ~ ENGL-203: Approaches to Literature (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-241: Gender and Literature (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-280: American Literature of the 1920s: The Lost Generation (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-301: American Novel (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-308: British Novel (*WOK: Literary and Writing Intensive*)
- ~ Choice of:
 - ~ ENGL-201: Shakespeare's Heroes and Heroines
 - OR
 - ~ ENGL-202: Shakespeare in Love and War

* Student Teaching courses cannot be repeated at the undergraduate level, and a “passing” grade does not guarantee recommendation for certification. Check with an Academic Advisor in the Education Department before registering for a Student Teaching course to discuss the unique requirements.

**Grade of C or better is required.

% Discuss options with Advisor.

Sample Bachelor of Science in Middle-Level Education (4-8) / Concentration in English, Reading, and Language Arts / Minor in Special Education: Please note that this is a suggested academic plan only; it is not meant to address each student’s individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student’s responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the major.

BIOL-101 (3.5 cr) ENGL-101** MATH-231** RLST-104 Language-103 or above FYIN-100*	EDML-222 ETHS-201 HIST-101 HIST-141 MATH-233** PSPK-101 PHED #2*	EDML-311 EDML-312 ENGL-201 or 202 ENGL-300 GLST-205 HIST-250	EDML-316 EDML-317 EDML-498 EDSP-312 EDSP-345 EDSP-355
<i>Student takes PRAXIS I PPST series (reading, writing and math.)</i>	<i>Student begins Stage I Portfolio.</i>	<i>Student begins Stage II Portfolio; acceptance at middle or end of junior year.</i>	<i>Student meets Benchmark 2.</i>
Year One Spring – 16/17*	Year Two Spring – 18	Year Three Spring – 16	Year Four Spring – 12/13*
ARTH-101 or 102 BIOL-106 (4 cr) EDML-201 ILAR-101 MATH-232 ** PHED #1*/Swim Test	EDML-202 EDML-310 ENGL-205 ENGL-260 ENGL-2XX (WI)** RLST-2XX	EDML-321 EDML-315 EDML-320 EDSP-340 PHYS-105 (4 cr)	EDML-420 (6 cr) EDML-421 EDSP-390 FYIN-101*
<i>Student takes all three Subtests of PRAXIS I exam.</i>	<i>Student meets Benchmark 1; successfully completes Stage I Portfolio; applies and can be accepted into the Education Dept.</i>		<i>Successfully completes Stage III Portfolio. Student meets Benchmark. Student meets all Exit Criteria and Exit Competencies.</i>

*Non-academic credit – these courses do not apply towards the minimum required for graduation. ** Grade of C or better required.

Minimum Academic Credits required for graduation: 129.5

Major in Middle-Level Education (Grades 4 -8)/

Concentration in Social Studies – 113.5 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ EDML-201: Development/Middle Years
- ~ EDML-202: Educational Psychology/Middle Years (WOK: Behavioral)
- ~ EDML-222: The Emerging Middle School
- ~ EDML-310: Reading Methods I
- ~ EDML-311: Writing Methods
- ~ EDML-315: Math Methods and Assessment
- ~ EDML-316: Social Studies Methods and Assessment
- ~ EDML-317: Science Methods and Assessment
- ~ EDML-320: Assessing Student Learning
- ~ EDML-321: Classroom Management and Instruction
- ~ EDML-420: Professionalism in Student Teaching (6 credits)
- ~ EDML-421: Professional Student Teaching Seminar *
- ~ EDML-498: Senior Seminar in Education

Also required:

- ~ BIOL-101: Inquiry Into Life I (3.5 credits) (WOK: Scientific)
- ~ BIOL-106: Ecology and Environmental Issues (4 credits)
- ~ ECON-203: Principles of Economics (Pending approval)
- ~ EDSP-312: Reading Intervention for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations
- ~ EDSP-355: Instruction in Inclusive Environment
- ~ EDSP-390: ESL Foundations and Methods
- ~ GEOG-201: World Geography: Humanity and the Environment
- ~ GLST-205: Economic Geography: Humanity/Environments (Pending approval)
- ~ HIST-101: West Civilization: Antiquity-Renaissance (WOK: Historical)
- ~ HIST-141: American Survey: Colonial - Civil War (WOK: Historical)
- ~ HIST-142: American Survey: Reconstruction – Present
- ~ HIST-250: The Pennsylvania Experience
- ~ HSVC-257: Human Behavior and the Social Environment
- ~ MATH-231: Basic Mathematical Theory and Applications I (WOK: Problem Solving) **
- ~ MATH-232: Basic Mathematical Theory and Applications II **
- ~ MATH-233: Basic Mathematical Theory and Applications III ** %
- ~ PHYS-105: Physical and Earth and Space Science (4 credits)
- ~ One course (3 credits) in PSCI- Political Science

- ~ One additional course (3 credits) in HIST-History
- ~ Choice of:
 - ~ ARTH-101: Western Art-Prehistoric to Gothic (*WOK: Artistic*)
 - OR
 - ~ ARTH-102: Western Art-Early Renaissance to Modern (*WOK: Artistic*)
- ~ Choice of one ENGL-200-level Writing Intensive course (3 credits) ** chosen from the following, which may not be offered every semester:
 - ~ ENGL-203: Approaches to Literature (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-241: Gender and Literature (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-280: American Literature of the 1920s: The Lost Generation (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-301: American Novel (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-308: British Novel (*WOK: Literary and Writing Intensive*)

* Student Teaching courses cannot be repeated at the undergraduate level, and a “passing” grade does not guarantee recommendation for certification. Check with an Academic Advisor in the Education Department before registering for a Student Teaching course to discuss the unique requirements.

**Grade of C or better is required.

% Discuss options with Advisor.

Sample Bachelor of Science in Middle-Level Education (4-8)/Concentration in Social Studies/Minor in Special Education:

Please note that this is a suggested academic plan only; it is not meant to address each student’s individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student’s responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the major.

Year One Fall – 15.5/16.5*	Year Two Fall – 18	Year Three Fall – 18	Year Four Fall – 18
BIOL-101 (3.5 cr) ENGL-101** MATH-231** RLST-104 Language-103 or above FYIN-100*	EDML-222 ENGL-2XX (WI)** HIST-101 HIST-141 MATH-233** PSCI elective	ECON-203 EDML-311 GEOG-201 GLST-205 HIST-250 HSVC-257	EDML-316 EDML-317 EDML-498 EDSP-312 EDSP-345 EDSP-355
<i>Student takes PRAXIS I PPST series (reading, writing and math.)</i>	<i>Student begins Stage I Portfolio.</i>	<i>Student begins Stage II Portfolio; acceptance at middle or end of junior year.</i>	<i>Student meets Benchmark 2.</i>
Year One Spring – 16/17*	Year Two Spring – 16/17*	Year Three Spring – 19%	Year Four Spring – 12/13*
ARTH-101 or 102 BIOL-106 (4 cr) EDML-201 ILAR-101 MATH-232 ** PHED #1*/Swim Test	EDML-202 EDML-310 HIST-142 RLST-2XX PSPK-101 (1 cr) HIST elective PHED #2*	EDML-321 EDML-315 EDSP-340 EDML-320 ETHS-201 PHYS-105 (4 cr)	EDML-420 (6 cr) EDML-421 EDSP-390 FYIN-101*
<i>Student takes all three Subtests of PRAXIS I exam.</i>	<i>Student meets Benchmark 1; successfully completes Stage I Portfolio; applies and can be accepted into the Education Dept.</i>		<i>Successfully completes Stage III Portfolio. Student meets Benchmark. Student meets all Exit Criteria and Exit Competencies.</i>

*Non-academic credit – these courses do not apply towards the minimum required for graduation. ** Grade of C or better required.

% There is an additional charge for each academic credit over 18/per semester.

Minimum Academic Credits required for graduation: 132.5

Major in Middle-Level Education (Grades 4 -8)/

Concentration in English/Language Arts/Reading/Math/Minor in Special Education – 110.5 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ EDML-201: Development/Middle Years
- ~ EDML-202: Educational Psychology/Middle Years (*WOK: Behavioral*)
- ~ EDML-222: The Emerging Middle School
- ~ EDML-310: Reading Methods I
- ~ EDML-311: Writing Methods
- ~ EDML-312: Reading Methods II
- ~ EDML-315: Math Methods and Assessment
- ~ EDML-316: Social Studies Methods and Assessment
- ~ EDML-317: Science Methods and Assessment
- ~ EDML-320: Assessing Student Learning

- ~ EDML-321: Classroom Management and Instruction
- ~ EDML-420: Professionalism in Student Teaching (6 credits)
- ~ EDML-421: Professional Student Teaching Seminar *
- ~ EDML-498: Senior Seminar in Education

Also required:

- ~ BIOL-101: Inquiry Into Life I (3.5 credits) (WOK: Scientific)
- ~ BIOL-106: Ecology and Environmental Issues (4 credits)
- ~ EDSP-312: Reading Intervention for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations
- ~ EDSP-355: Instruction in Inclusive Environment
- ~ EDSP-390: ESL Foundations and Methods
- ~ ENGL-260: Ethnic Voices
- ~ HIST-101: Western Civilization: Antiquity-Renaissance (WOK: Historical)
- ~ HIST-141: American Survey: Colonial - Civil War (WOK: Historical)
- ~ HIST-250: The Pennsylvania Experience
- ~ GLST-205: Economic Geography: Humanity/Environments (Pending approval)
- ~ MATH-202: Mathematics for Management and the Social Sciences II
- ~ MATH-231: Basic Mathematical Theory and Applications I (WOK: Problem Solving) **
- ~ MATH-232: Basic Mathematical Theory and Applications II **
- ~ MATH-233: Basic Mathematical Theory and Applications III ** %
- ~ MATH-261: Discrete Methods in Mathematics
- ~ MATH-342: Fundamentals of Geometry
- ~ PHYS-105: Physical and Earth and Space Science (4 credits)
- ~ Choice of:
 - ~ ARTH-101: Western Art-Prehistoric to Gothic (WOK: Artistic)
 - OR
 - ~ ARTH-102: Western Art-Early Renaissance to Modern (WOK: Artistic)
- ~ Choice of one ENGL-200-level Writing Intensive course (3 credits) ** chosen from the following, which may not be offered every semester:
 - ~ ENGL-203: Approaches to Literature (WOK: Literary and Writing Intensive)
 - ~ ENGL-241: Gender and Literature (WOK: Literary and Writing Intensive)
 - ~ ENGL-280: American Literature of the 1920s: The Lost Generation (WOK: Literary and Writing Intensive)
 - ~ ENGL-301: American Novel (WOK: Literary and Writing Intensive)
 - ~ ENGL-308: British Novel (WOK: Literary and Writing Intensive)

* Student Teaching courses cannot be repeated at the undergraduate level, and a “passing” grade does not guarantee recommendation for certification. Check with an Academic Advisor in the Education Department before registering for a Student Teaching course to discuss the unique requirements.

**Grade of C or better is required.

% Discuss options with Advisor.

Sample Bachelor of Science in Middle-Level Education (4-8)/ Concentration in English/Language Arts/Reading/Math/Minor in Special Education: Please note that this is a suggested academic plan only; it is not meant to address each student’s individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student’s responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the major.

Year One Fall – 15.5/16.5*	Year Two Fall – 18	Year Three Fall – 18	Year Four Fall – 18
BIOL-101 (3.5 cr) ENGL-101** MATH-231** RLST-104 Language-103 or above FYIN-100*	EDML-222 ENGL-2XX (W1)** ETHS-201 HIST-101 HIST-141 MATH-233	EDML-311 EDML-312 MATH-261 MATH-342 GLST-205 HIST-250	EDML-316 EDML-317 EDML-498 EDSP-312 EDSP-345 EDSP-355
<i>Student takes PRAXIS I PPST series (reading, writing and math.)</i>	<i>Student begins Stage I Portfolio.</i>	<i>Student begins Stage II Portfolio; acceptance at middle or end of junior year.</i>	<i>Student meets Benchmark 2.</i>
Year One Spring – 16/17*	Year Two Spring – 16/17*	Year Three Spring – 16	Year Four Spring – 12/13*
ARTH-101 or 102 BIOL-106 (4 cr)	EDML-202 EDML-310	EDML-321 EDML-315	EDML-420 (6 cr) EDML-421

EDML-201 ILAR-101 MATH-232 ** PHED #1*/Swim Test	ENGL-260 MATH-202 RLST-2XX PSPK-101 (1 cr) PHED #2*	EDSP-340 EDML-320 PHYS-105 (4 cr)	EDSP-390 FYIN-101*
<i>Student takes all three Subtests of PRAXIS I exam.</i>	<i>Student meets Benchmark I; successfully completes Stage I Portfolio; applies and can be accepted into the Education Dept.</i>		<i>Successfully completes Stage III Portfolio. Student meets Benchmark. Student meets all Exit Criteria and Exit Competencies.</i>

*Non-academic credit – these courses do not apply towards the minimum required for graduation. ** Grade of C or better required.

Minimum Academic Credits required for graduation: 129.5

Major in Middle-Level Education (Grades 4 -8)/Concentration in Math/Science - 112 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ EDML-201: Development/Middle Years
- ~ EDML-202: Educational Psychology/Middle Years (WOK: Behavioral)
- ~ EDML-222: The Emerging Middle School
- ~ EDML-310: Reading Methods I
- ~ EDML-311: Writing Methods
- ~ EDML-315: Math Methods and Assessment
- ~ EDML-316: Social Studies Methods and Assessment
- ~ EDML-317: Science Methods and Assessment
- ~ EDML-320: Assessing Student Learning
- ~ EDML-321: Classroom Management and Instruction
- ~ EDML-420: Professionalism in Student Teaching (6 credits)
- ~ EDML-421: Professional Student Teaching Seminar *
- ~ EDML-498: Senior Seminar in Education

Also required:

- ~ BIOL-101: Inquiry Into Life I (3.5 credits) (WOK: Scientific)
- ~ BIOL-102: Inquiry Into Life II (3.5 credits) (WOK: Scientific)
- ~ BIOL-201: Cell Biology (4 credits)
- ~ BIOL-203: Human Anatomy and Physiology I (4 credits)
- ~ EDSP-312: Reading Intervention for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations
- ~ EDSP-355: Instruction in Inclusive Environment
- ~ EDSP-390: ESL Foundations and Methods
- ~ HIST-101: West Civilization: Antiquity-Renaissance (WOK: Historical)
- ~ HIST-141: American Survey: Colonial - Civil War
- ~ HIST-250: The Pennsylvania Experience
- ~ GLST-205: Economic Geography: Humanity/Environments (Pending approval)
- ~ MATH-202: Mathematics for Management and the Social Sciences II
- ~ MATH-231: Basic Mathematical Theory and Applications I (WOK: Problem Solving) **
- ~ MATH-232: Basic Mathematical Theory and Applications II) **
- ~ MATH-233: Basic Mathematical Theory and Applications III ** %
- ~ MATH-261: Discrete Methods in Mathematics
- ~ MATH-342: Fundamentals of Geometry
- ~ PHYS-105: Physical and Earth and Space Science (4 credits)
- ~ Choice of:
 - ~ ARTH-101: Western Art-Prehistoric to Gothic (WOK: Artistic)
 - OR
 - ~ ARTH-102: Western Art-Early Renaissance to Modern (WOK: Artistic)
- ~ Choice of one ENGL-200-level Writing Intensive course (3 credits) ** chosen from the following, which may not be offered every semester:
 - ~ ENGL-203: Approaches to Literature (WOK: Literary and Writing Intensive)
 - ~ ENGL-241: Gender and Literature (WOK: Literary and Writing Intensive)
 - ~ ENGL-280: American Literature of the 1920s: The Lost Generation (WOK: Literary and Writing Intensive)
 - ~ ENGL-301: American Novel (WOK: Literary and Writing Intensive)
 - ~ ENGL-308: British Novel (WOK: Literary and Writing Intensive)

* Student Teaching courses cannot be repeated at the undergraduate level, and a “passing” grade does not guarantee recommendation for certification. Check with an Academic Advisor in the Education Department before registering for a Student Teaching course to discuss the unique requirements.

**Grade of C or better is required.

% Discuss options with Advisor.

Sample Bachelor of Science in Middle-Level Education (4-8)/ Concentration in Math/Science/Minor in Special Education: Please note that this is a suggested academic plan only; it is not meant to address each student’s individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student’s responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the major.

Year One Fall – 15.5/16.5*	Year Two Fall – 17/18*	Year Three Fall – 19%	Year Four Fall – 18
BIOL-101 (3.5 cr) ENGL-101** MATH-231** RLST-104 Language-103 or above FYIN-100*	BIOL-201 (4 cr) EDML-222 HIST-101 HIST-141 MATH-233** PSPK-101 (1 cr) PHED #2*	BIOL-203 (4 cr) EDML-311 GLST-205 MATH-261 MATH-342 RLST-2XX	EDML-316 EDML-317 EDML-498 EDSP-312 EDSP-345 EDSP-355
<i>Student takes PRAXIS I PPST series (reading, writing and math.)</i>	<i>Student begins Stage I Portfolio.</i>	<i>Student begins Stage II Portfolio; acceptance at middle or end of junior year.</i>	<i>Student meets Benchmark 2.</i>
Year One Spring – 15.5/16.5*	Year Two Spring – 18	Year Three Spring – 16	Year Four Spring – 12/13*
ARTH-101 or 102 BIOL-102 (3.5 cr) EDML-201 ILAR-101 MATH-232 ** PHED #1*/Swim Test	EDML-202 EDML-310 ENGL-2XX (WI)** ETHS-201 HIST-250 MATH-202	EDML-315 EDML-320 EDML-321 EDML-340 PHYS-105 (4 cr)	EDML-420 (6 cr) EDML-421 EDSP-390 FYIN-101*
<i>Student takes all three Subtests of PRAXIS I exam.</i>	<i>Student meets Benchmark 1; successfully completes Stage I Portfolio; applies and can be accepted into the Education Dept.</i>		<i>Successfully completes Stage III Portfolio. Student meets Benchmark. Student meets all Exit Criteria and Exit Competencies.</i>

*Non-academic credit – these courses do not apply towards the minimum required for graduation. ** Grade of C or better required.

% There is an additional charge for each academic credit over 18/per semester.

Minimum Academic Credits required for graduation: 131

Major in Middle-Level Education (Grades 4 -8)/

Concentration in English/Language Arts/Reading/Science/ Minor in Special Education - 109 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ EDML-201: Development/Middle Years
- ~ EDML-202: Educational Psychology/Middle Years (WOK: Behavioral)
- ~ EDML-222: The Emerging Middle School
- ~ EDML-310: Reading Methods I
- ~ EDML-311: Writing Methods
- ~ EDML-312: Reading Methods II
- ~ EDML-315: Math Methods and Assessment
- ~ EDML-316: Social Studies Methods and Assessment
- ~ EDML-317: Science Methods and Assessment
- ~ EDML-320: Assessing Student Learning
- ~ EDML-321: Classroom Management and Instruction
- ~ EDML-420: Professionalism in Student Teaching (6 credits)
- ~ EDML-421: Professional Student Teaching Seminar *
- ~ EDML-498: Senior Seminar in Education

Also required:

- ~ BIOL-101: Inquiry Into Life I (3.5 credits) (WOK: Scientific)
- ~ BIOL-102: Inquiry Into Life II (3.5 credits) (WOK: Scientific)
- ~ BIOL-201: Cell Biology (4 credits)
- ~ BIOL-203: Human Anatomy and Physiology I (4 credits)
- ~ EDSP-312: Reading Intervention for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations

- ~ EDSP-355: Instruction in Inclusive Environment
- ~ EDSP-390: ESL Foundations and Methods
- ~ ENGL-260: Ethnic Voices
- ~ HIST-101: West Civilization: Antiquity-Renaissance (*WOK: Historical*)
- ~ HIST-141: American Survey: Colonial - Civil War
- ~ HIST-250: The Pennsylvania Experience
- ~ GLST-205: Economic Geography: Humanity/Environments (*Pending approval*)
- ~ MATH-231: Basic Mathematical Theory and Applications I (*WOK: Problem Solving*) **
- ~ MATH-232: Basic Mathematical Theory and Applications II **
- ~ MATH-233: Basic Mathematical Theory and Applications III ** %
- ~ PHYS-105: Physical and Earth and Space Science (4 credits)
- ~ Choice of:
 - ~ ARTH-101: Western Art-Prehistoric to Gothic (*WOK: Artistic*)
 - OR
 - ~ ARTH-102: Western Art-Early Renaissance to Modern (*WOK: Artistic*)
- ~ Choice of one ENGL-200-level Writing Intensive course (3 credits) ** chosen from the following, which may not be offered every semester:
 - ~ ENGL-203: Approaches to Literature (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-241: Gender and Literature (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-280: American Literature of the 1920s: The Lost Generation (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-301: American Novel (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-308: British Novel (*WOK: Literary and Writing Intensive*)

* Student Teaching courses cannot be repeated at the undergraduate level, and a “passing” grade does not guarantee recommendation for certification. Check with an Academic Advisor in the Education Department before registering for a Student Teaching course to discuss the unique requirements.

**Grade of C or better is required.

% Discuss options with Advisor.

Sample Middle-Level Education (Grades 4 -8)/Concentration in English/Language Arts/Reading/Science/Minor in Special Education: Please note that this is a suggested academic plan only; it is not meant to address each student’s individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student’s responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the major.

Year One Fall – 15.5/16.5*	Year Two Fall – 17	Year Three Fall – 16/17*	Year Four Fall – 18
BIOL-101 (3.5 cr) ENGL-101** MATH-231** RLST-104 Language-103 or above FYIN-100*	BIOL-201 (4 cr) EDML-222 HIST-101 HIST-141 MATH-233 PSPK-101 (1 cr)	BIOL-203 (4 cr) EDML-311 EDML-312 GLST-205 HIST-250 PHED #2*	EDML-316 EDML-317 EDML-498 EDSP-312 EDSP-345 EDSP-355
<i>Student takes PRAXIS I PPST series (reading, writing and math.)</i>	<i>Student begins Stage I Portfolio.</i>	<i>Student begins Stage II Portfolio; acceptance at middle or end of junior year.</i>	<i>Student meets Benchmark 2.</i>
Year One Spring – 15.5/16.5*	Year Two Spring – 18	Year Three Spring – 16	Year Four Spring – 12/13*
ARTH-101 or 102 BIOL-102 (3.5 cr) EDML-201 ILAR-101 MATH-232 ** PHED #1*/Swim Test	EDML-202 EDML-310 ENGL-2XX (WI)** ENGL-260 ETHS-201 RLST-2XX	EDML-315 EDML-320 EDML-321 EDSP-340 PHYS-105 (4 cr)	EDML-390 EDML-420 (6 cr) EDML-421 FYIN-101*
<i>Student takes all three Subtests of PRAXIS I exam.</i>	<i>Student meets Benchmark 1; successfully completes Stage I Portfolio; applies and can be accepted into the Education Dept.</i>		<i>Successfully completes Stage III Portfolio. Student meets Benchmark. Student meets all Exit Criteria and Exit Competencies.</i>

*Non-academic credit – these courses do not apply towards the minimum required for graduation. ** Grade of C or better required.

Minimum Academic Credits required for graduation: 128

Secondary Education Certification Program

The Secondary Education Certification Program/Secondary Education minor integrates educational theory and practice with field experiences that include practicum and student teaching, as well as opportunities to develop teaching competence through innovative and effective approaches to the educational process with focus on students at the Secondary Level.

The Program is available as a minor in Secondary Education accompanied by majors in the following content areas:

- ~ Secondary Education, Grades K through 12
 - ~ Latin (Foreign Language Certification)
 - ~ French (Foreign Language Certification)
 - ~ Spanish (Foreign Language Certification)
- ~ Secondary Education, Grades 7 through 12
 - ~ Biology, Biochemistry; Forensic Sciences; Environmental Sciences; Molecular Biology (Biology, or General Science Certification)
 - ~ Chemistry (Chemistry Certification)
 - ~ English Literature; Communications (English Certification)
 - ~ Mathematics; Math and Computer Science (Mathematics Certification)
 - ~ History; Political Science (Social Studies Certification)

The Pennsylvania Department of Education (PDE) now requires that all Secondary Education Certification Program participants have 9 credits of Special Education coursework and 3 credits of Teaching English as a Second Language coursework. In addition, participants will need to meet field experience competencies that will either require two separate practicum experiences, or one practicum and one extended student teaching experience. The PDE has not identified the field experience competencies as of July 1, 2011. The Education Department will determine the best options for students on an individual basis.

Students in the minor are expected to complete all courses for Secondary Certification including student teaching. Students may complete student teaching after graduation but the minor will not be included on the transcript. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Please see each major's section for additional information.

Standard Minor in Secondary Education (Grades 7-12) – 36 credits minimum

Courses are 3 credits unless indicated. *Requirements:*

- ~ EDSC-201: Adolescent Psychology and Development
- ~ EDSC-202: Educational Psychology (*WOK: Behavioral*)
- ~ EDSC-203: The Foundations of High School
- ~ EDSC-315: General Methods & Assessment
- ~ EDSC-420: Student Teaching in Secondary School (6 credits)
- ~ EDSC-421: Student Teaching Seminar/Secondary School
- ~ EDSP-312: Reading Intervention for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations
- ~ EDSP-390: ESL Foundations and Methods
- ~ One course (3 credits) of Special Methods in the Major field:
 - ~ BIOL-317: Special Methods in Biology
 - ~ CHEM-317: Special Methods in Chemistry/General Science
 - ~ FLED-352: Special Methods in Foreign Language Teaching
 - ~ MATH-317: Special Methods in Mathematics
 - ~ EDSC-317: Special Methods-English/Soc Studies

May be required; discuss options with a Faculty Advisor:

- ~ EDSP-355: Instruction in Inclusive Environment

ENGLISH and COMMUNICATIONS

BARBARA LONNQUIST, PHD, ASSOCIATE PROFESSOR OF ENGLISH

~ CHAIR OF THE ENGLISH AND COMMUNICATIONS DEPARTMENT

KIMBERLEY LEAHY, MBA, PHD, ASSISTANT PROFESSOR OF COMMUNICATIONS

~ COORDINATOR OF THE COMMUNICATIONS PROGRAMS

KEELY MCCARTHY, PHD, ASSOCIATE PROFESSOR OF ENGLISH

~ COORDINATOR OF THE WRITING PROGRAM

SUZANNE DEL GIZZO, PHD, ASSISTANT PROFESSOR OF ENGLISH

KAREN GETZEN, PHD, ASSISTANT PROFESSOR OF ENGLISH

SUSAN MAGEE, MFA, INSTRUCTOR IN COMMUNICATION

MEGAN E. RYAN, MA, INSTRUCTOR IN WRITING, DIRECTOR OF WRITING CENTER

RITA MICHAEL SCULLY, SSJ, MA, ASSOCIATE PROFESSOR OF ENGLISH

Chestnut Hill College offers a Bachelor of Arts (BA) in English Literature; a Bachelor of Arts (BA) in Communications; a Bachelor of Arts (BA) in English Literature and Communications; and a Bachelor of Science (BS) in Communications and Technology (new program, Fall 2010). Minors in English Literature; Communications; and Creative Writing (new program, Fall 2010) are also offered. A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Majors. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minors.

Departmental Mission

The English and Communications Department offers a flexible program that develops students' literacy in numerous genres to prepare them for a variety of fields after graduation. Students may choose from several majors in the department, as listed above. The overall goals are to offer knowledge in diverse forms of written, oral and visual expression; to train students in critical thinking and effective written and oral communication; and to help students integrate their own intellectual development with critical theory in their particular field of study. Each of the majors culminates in the production of a senior thesis, in which students demonstrate their ability to present and synthesize critical analysis and research in their field.

Placement Testing

All incoming first-year students must take a writing placement test administered by the English and Communications Department. Registration in *ENGL-100: Essay Writing* may be required based on the results of the test. *ENGL-100* does NOT satisfy the general education requirement in college writing; however, the 3 credits earned may be used as elective credits towards graduation. Students successfully completing *ENGL-100* will register for *ENGL-101: College Writing* the following semester.

Advanced Placement

For a score of 4 or 5 on the English Language and Composition Exam the student will receive 3 credits equivalent to *ENGL-101: College Writing*. The student may be invited to enroll in *ENGL-105: Advanced College Writing* based on the results of the English Placement Exam. A score of 4 or 5 on the English Literature Exam will be accepted as three elective credits in English at the discretion of the department.

Honors and Honor Societies

Students who meet the requisite GPA of 3.00 and receive departmental approval are eligible for membership in the national honor societies of their respective disciplines: Sigma Tau Delta, the International English Honor Society and Lambda Pi Eta, the National Communication Honor Society.

Qualified Communications and Technology majors may be invited to join Epsilon Pi Tau, the International Honor Society for Technology. Students need to complete at least 16 credits of computer science and/or technology courses and maintain a Career GPA of 3.00 and a GPA of 3.25 in the major. Eligible students are also required to be in the top 35% of their class.

Outstanding students may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. All students who have successfully

completed the Honors Program will be recognized with Honors in their major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

Extra-Curricular Activities and Clubs

A yearbook, newspaper, campus magazines, a literary and a scholarly journal offer English and Communications majors opportunities to develop their writing interests and skills.

The TV and Radio Clubs offer opportunities for all students to participate in, prepare and edit campus media programs.

Secondary Education Certification Program/Secondary Education Minor

Secondary Education Certification in English (Grades 7 -12) is available to English Literature and Communications majors. The Program integrates educational theory and practice with field experiences that include practicum and student teaching, as well as opportunities to develop teaching competence through innovative and effective approaches to the educational process with focus on students at the Secondary Level. Contact the Education Department section for information on applying for the Secondary Education minor.

The Pennsylvania Department of Education (PDE) now requires that all Secondary Education Certification Program participants have 9 credits of Special Education coursework and 3 credits of Teaching English as a Second Language coursework. In addition, participants will need to meet field experience competencies that will either require two separate practicum experiences, or one practicum and one extended student teaching experience. The PDE has not identified the field experience competencies as of July 1, 2011. The Education Department will determine the best options for students on an individual basis.

Students in the minor are expected to complete all courses listed below including student teaching. Students may complete student teaching after graduation but the minor will not be included on the transcript. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor.

Minor in Secondary Education (English Literature or Communications) – 36 credits minimum

Courses are 3 credits unless indicated. *Requirements:*

- ~ EDSC-201: Adolescent Psychology and Development
- ~ EDSC-202: Educational Psychology (*WOK: Behavioral*)
- ~ EDSC-203: The Foundations of High School
- ~ EDSC-315: General Methods & Assessment
- ~ EDSC-317: Special Methods-English/Soc Studies
- ~ EDSC-420: Student Teaching in Secondary School (6 credits)
- ~ EDSC-421: Student Teaching Seminar/Secondary School
- ~ EDSP-312: Reading Interventions for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations
- ~ EDSP-390: ESL Foundations and Methods

May be required for the minor; discuss options with a Faculty Advisor:

- ~ EDSP-355: Instruction in Inclusive Environment

Course Options

In addition to courses for majors and minors, the department offers several courses for students of any major interested in fulfilling a *Ways of Knowing* or Writing Intensive requirement, or pursuing an interest in English or Communications without completing a minor. Check the Course Description section for any Pre-Requisites. Courses are three credits unless indicated. Courses open to students of any major meeting the indicated Pre-Requisites include the following, which may not be offered each semester:

Communications:

- ~ COMM-102: Newspaper Workshop (*1 credit course, may be taken up to three times*)
- ~ COMM-110: Introduction to Communication (*WOK: Behavioral*)
- ~ COMM-112: Television Workshop (*1 credit course, may be taken up to three times*)
- ~ COMM-141: Introduction to Journalism
- ~ COMM-201: Introduction to Film Analysis

- ~ COMM-203: Visual Literacy
- ~ COMM-210: Interpersonal Communication (*WOK: Behavioral*)
- ~ COMM-221: Video Design and Production I
- ~ COMM-251: Mass Media and Society (*WOK: Behavioral*)
- ~ COMM-252: Writing for Electronic Media (*Writing Intensive*)
- ~ COMM-253: Advanced Public Speaking Applications
- ~ COMM-254: Advertising (*WOK: Behavioral*)
- ~ COMM-255: Public Relations (*WOK: Behavioral*)
- ~ COMM-275: Persuasive Methods
- ~ COMM-258: Scriptwriting (*Writing Intensive*)
- ~ COMM-260: Public Relations Writing (*Writing Intensive*)
- ~ COMM-265: Writing and Editing for Magazines (*Writing Intensive*)
- ~ COMM-325: Video Design and Production II
- ~ COMM-281: Special Topics in Communications/Topics vary by semester (*Repeatable for credit*)
- ~ COMM-481: Advanced Special Topics in Communications/Topics vary by semester (*Repeatable for credit*)
- ~ COMM-490: Independent Study in Communications (*Repeatable for credit*)

English:

- ~ ENGL-100: Essay Writing *
- ~ ENGL-101: College Writing *
- ~ ENGL-102: The International Tale (*WOK: Literary*)
- ~ ENGL-104: Introduction to Literature (*WOK: Literary*)
- ~ ENGL-105: Advanced College Writing
- ~ ENGL-110: Literature into Film (*WOK: Literary*)
- ~ ENGL-175: The Short Story (*WOK: Literary*)
- ~ ENGL-190: Modern Japanese Literature (*WOK: Literary*)
- ~ ENGL-201: Shakespeare's Heroes and Heroines (*WOK: Literary*)
- ~ ENGL-202: Shakespeare in Love and War (*WOK: Literary*)
- ~ ENGL-204: Writing Literary Non-Fiction
- ~ ENGL-205: American Poetry (*WOK: Literary*)
- ~ ENGL-206: Twentieth-Century and Contemporary British Poetry (*WOK: Literary*)
- ~ ENGL-225: Eighteenth-Century British Literature (*WOK: Literary*)
- ~ ENGL-227: Drama: Classical to Modern (*WOK: Literary*)
- ~ ENGL-228: Modern Drama (*WOK: Literary*)
- ~ ENGL-233: English Romanticism (*WOK: Literary*)
- ~ ENGL-238: Victorian Literature
- ~ ENGL-240: The Comic Spirit
- ~ ENGL-241: Gender and Literature (*WOK: Literary and Writing Intensive*)
- ~ ENGL-245: The American Theater (*WOK: Literary*)
- ~ ENGL-248: Irish Literature I: The Celtic Era to the Gaelic Movement (*WOK: Literary*)
- ~ ENGL-249: Irish Literature II: 20th Century Irish Renaissance to the Present (*WOK: Literary*)
- ~ ENGL-250: Creative Writing
- ~ ENGL-251: African-American Writers (*WOK: Literary*)
- ~ ENGL-260: Ethnic Voices (*WOK: Literary*)
- ~ ENGL-264: Early American Literature, contact-1820 (*WOK: Literary*)
- ~ ENGL-265: American Romanticism, 1820-1865 (*WOK: Literary*)
- ~ ENGL-266: Modern American Literature, 1865-1945 (*WOK: Literary*)
- ~ ENGL-267: Contemporary American Literature, 1940-present (*WOK: Literary*)
- ~ ENGL-270: Writing Short Fiction
- ~ ENGL-271: Gothic Tradition in Literature (*WOK: Literary*)
- ~ ENGL-275: Writing the Graphic Novel
- ~ ENGL-280: American Literature of the 1920s: The Lost Generation (*WOK: Literary and Writing Intensive*)
- ~ ENGL-281: Special Topics in English/Topics vary by semester (*Repeatable for credit*)
- ~ ENGL-300: James Joyce and Ulysses (*WOK: Literary*)
- ~ ENGL-301: American Novel (*WOK: Literary and Writing Intensive*)
- ~ ENGL-305: Writing Poetry
- ~ ENGL-308: British Novel (*WOK: Literary and Writing Intensive*)
- ~ ENGL-338: Age of Chaucer (*WOK: Literary*)
- ~ ENGL-340: American Literature Seminar
- ~ ENGL-342: British Literature Seminar
- ~ ENGL-410: A Sense of Place (Intersession course – additional charge)
- ~ ENGL-481: Advanced Special Topics in English/Topics vary by semester (*Repeatable for credit*)
- ~ ENGL-490: Independent Study in English Literature (*Repeatable for credit*)

* If taken to fulfill a Core Requirement, a grade of C- is required.

English Literature

English Literature majors develop knowledge of literary genres, traditions, and historical periods and of the critical reception of literature. A variety of course approaches (genre, period or thematic perspective) allows students to engage textual material with sensitivity to the richness and complexities of language and culture and also to integrate critical thinking, writing, and research skills in the production of literary analysis.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. For information, please contact Barbara Lonnquist, Room 203, St. Joseph Hall. Telephone: 215.248-7178. Email: lonnquistb@chc.edu.

Major in English Literature – 39 credits

Required in the Major:

- ~ ENGL-488: Research Writing
- ~ ENGL-498: Senior Seminar in English Literature
- ~ Choice of:
 - ~ ENGL-201: Shakespeare's Heroes and Heroines (*WOK: Literary*)
 - OR
 - ~ ENGL-202: Shakespeare in Love and War (*WOK: Literary*)
- ~ Three courses (9 credits) in American Literature (*at least one 3XX-level is recommended*):
 - ~ ENGL-205: American Poetry
 - ~ ENGL-245: The American Theater
 - ~ ENGL-251: African-American Writers
 - ~ ENGL-264: Early American Literature, contact-1820
 - ~ ENGL-265: American Romanticism, 1820-1865
 - ~ ENGL-266: Modern American Literature, 1865-1945
 - ~ ENGL-267: Contemporary American Literature, 1940-present
 - ~ ENGL-280: American Literature of the 1920s: The Lost Generation (*Writing Intensive*)
 - ~ ENGL-301: American Novel (*Writing Intensive*)
 - ~ ENGL-340: American Literature Seminar
- ~ Three courses (9 credits) in British Literature (*at least one 3XX-level is recommended*):
 - ~ ENGL-206: Twentieth-Century and Contemporary British Poetry
 - ~ ENGL-225: Eighteenth-Century British Literature
 - ~ ENGL-233: British Romanticism
 - ~ ENGL-238: Victorian Literature
 - ~ ENGL-248: Irish Literature I: The Celtic Era to the Gaelic Movement
 - ~ ENGL-249: Irish Literature II: 20th Century Irish Renaissance to the Present
 - ~ ENGL-300: James Joyce and Ulysses
 - ~ ENGL-308: British Novel (*Writing Intensive*)
 - ~ ENGL-338: Age of Chaucer)
 - ~ ENGL-342: British Literature Seminar
- ~ Four courses (12 credits) chosen from the following, which may not be offered every semester:
 - ~ ENGL-104: Introduction to Literature
 - ~ ENGL-110: Literature into Film
 - ~ ENGL-175: The Short Story
 - ~ ENGL-190: Modern Japanese Literature
 - ~ ENGL-227: Drama: Classical to Modern
 - ~ ENGL-228: Modern Drama
 - ~ ENGL-240: The Comic Spirit
 - ~ ENGL-241: Gender and Literature (*Writing Intensive*)
 - ~ ENGL-250: Creative Writing
 - ~ ENGL-260: Ethnic Voices
 - ~ ENGL-271: Gothic Tradition in Literature
 - ~ ENGL-281: Special Topics in English/Topics vary by semester (*Repeatable for credit*)
 - ~ ENGL-401: Internship in English Literature
 - ~ ENGL-410: A Sense of Place (*Intersession course – additional charge*)
 - ~ ENGL-481: Advanced Special Topics in English/Topics vary by semester (*Repeatable for credit*)

Sample Bachelor of Arts: English Literature Major/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15/16	Year Three Fall – 16	Year Four Fall – 15
ENGL-101 RLST-104 Language 103 WOK or elective WOK or elective FYIN-100*	ENGL American ENGL British GLST-201 RLST-2XX WOK or elective FYIN-101*	ENGL American ENGL elective (WI) ETHS-201 PSPK-101 (1 cr) Minor #2 or elective Minor #3 or elective	ENGL-488 ENGL elective Minor #6 or elective WOK or elective WOK or elective
Year One Spring – 15/16*	Year Two Spring -15/16	Year Three Spring – 16	Year Four Spring – 13
ENGL American ENGL British ENGL-201 or 202 ILAR-101 WOK or elective PHED #1* Swim Test*	ENGL American ENGL British ENGL elective Minor #1 or elective WOK or elective PHED #2*	ENGL British ENGL elective Minor #4 or elective Minor #5 or elective WOK or elective (4 cr)	ENGL-498 WOK or elective WOK or elective WOK or elective Elective (1 cr)

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in English Literature – 18 credits

Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. *Requirements:*

- ~ Choice of:
 - ~ ENGL-201: Shakespeare's Heroes and Heroines (*WOK: Literary*)
 - OR
 - ~ ENGL-202: Shakespeare in Love and War (*WOK: Literary*)
- ~ One courses (3 credits) in American Literature at the 200-level or above chosen from the following, which may not be offered every semester:
 - ~ ENGL-205: American Poetry
 - ~ ENGL-245: The American Theater (*WOK: Literary*)
 - ~ ENGL-251: African-American Writers (*WOK: Literary*)
 - ~ ENGL-264: Early American Literature, contact-1820 (*WOK: Literary*)
 - ~ ENGL-265: American Romanticism, 1820-1865 (*WOK: Literary*)
 - ~ ENGL-266: Modern American Literature, 1865-1945 (*WOK: Literary*)
 - ~ ENGL-267: Contemporary American Literature, 1940-present (*WOK: Literary*)
 - ~ ENGL-280: American Literature of the 1920s: The Lost Generation (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-301: American Novel (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-340: American Literature Seminar
- ~ One courses (3 credits) in British Literature at the 200-level or above chosen from the following, which may not be offered every semester:
 - ~ ENGL-206: Twentieth-Century and Contemporary British Poetry (*WOK: Literary*)
 - ~ ENGL-225: Eighteenth-Century British Literature (*WOK: Literary*)
 - ~ ENGL-233: British Romanticism (*WOK: Literary*)
 - ~ ENGL-238: Victorian Literature
 - ~ ENGL-248: Irish Literature I: The Celtic Era to the Gaelic Movement
 - ~ ENGL-249: Irish Literature II: 20th Century Irish Renaissance to the Present
 - ~ ENGL-300: James Joyce and Ulysses (*WOK: Literary*)
 - ~ ENGL-308: British Novel (*Writing Intensive*)
 - ~ ENGL-338: Age of Chaucer (*WOK: Literary*)
 - ~ ENGL-342: British Literature Seminar
- ~ Three courses (9 credits) chosen from the following, which may not be offered every semester:
 - ~ ENGL-104: Introduction to Literature (*WOK: Literary*)
 - ~ ENGL-110: Literature into Film
 - ~ ENGL-175: The Short Story (*WOK: Literary*)
 - ~ ENGL-190: Modern Japanese Literature
 - ~ ENGL-227: Drama: Classical to Modern
 - ~ ENGL-228: Modern Drama (*WOK: Literary*)
 - ~ ENGL-240: The Comic Spirit
 - ~ ENGL-241: Gender and Literature (*WOK: Literary and Writing Intensive*)
 - ~ ENGL-250: Creative Writing

- ~ ENGL-260: Ethnic Voices
- ~ ENGL-271: Gothic Tradition in Literature
- ~ ENGL-281: Special Topics in English/Topics vary by semester (*Repeatable for credit*)
- ~ ENGL-401: Internship in English Literature
- ~ ENGL-410: A Sense of Place (*Intersession course – additional charges*)
- ~ ENGL-481: Advanced Special Topics in English/Topics vary by semester (*Repeatable for credit*)

Minor in Creative Writing – 18 credits

New minor introduced Fall 2011. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the Minor. Check Course Descriptions for any Pre-Requisites.

Requirements:

- ~ COMM-258: Scriptwriting (*Writing Intensive*)
- ~ ENGL-204: Writing Literary Non-Fiction
- ~ ENGL-250: Creative Writing
- ~ ENGL-270: Writing Short Fiction
- ~ ENGL-275: Writing the Graphic Novel
- ~ ENGL-305: Writing Poetry

English Literature and Communications

Major in English Literature and Communications – 45 credits

Required in the Major:

- ~ ENGL-488: Research Writing
- ~ ENGL-498: Senior Seminar in English Literature
- ~ Choice of:
 - ~ COMM-110: Introduction to Communications (*WOK: Behavioral*)
 - OR
 - ~ COMM-141: Introduction to Journalism
- ~ Five courses (15 credits) chosen from the following, which may not be offered every semester:
 - ~ COMM-102: Newspaper Workshop (1 credit course may be taken up to three times)
 - ~ COMM-112: Television Workshop (1 credit course may be taken up to three times)
 - ~ COMM-201: Introduction to Film Analysis
 - ~ COMM-203: Visual Literacy
 - ~ COMM-210: Interpersonal Communication
 - ~ COMM-221: Video Design and Production I
 - ~ COMM-230: Audio Production
 - ~ COMM-251: Mass Media and Society
 - ~ COMM-252: Writing for Electronic Media (*Writing Intensive*)
 - ~ COMM-253: Advanced Public Speaking Applications
 - ~ COMM-255: Public Relations
 - ~ COMM-258: Scriptwriting (*Writing Intensive*)
 - ~ COMM-260: Public Relations Writing (*Writing Intensive*)
 - ~ COMM-265: Writing and Editing for Magazines (*Writing Intensive*)
 - ~ COMM-275: Persuasive Methods
 - ~ COMM-281: Special Topics in Communications/Topics vary by semester (*Repeatable for credit.*)
 - ~ COMM-310: Theories and Research Methods
 - ~ COMM-325: Video Design and Production II
 - ~ COMM-401: Internship in Communications
 - ~ COMM-481: Advanced Special Topics in Communications/Topics vary by semester (*Repeatable for credit.*)
 - ~ COMM-498: Senior Seminar in Communications
- ~ Two courses (6 credits) in American Literature at the 200-level or above chosen from the following, which may not be offered every semester:
 - ~ ENGL-205: American Poetry
 - ~ ENGL-245: The American Theater
 - ~ ENGL-251: African-American Writers
 - ~ ENGL-264: Early American Literature, contact-1820
 - ~ ENGL-265: American Romanticism, 1820-1865
 - ~ ENGL-266: Modern American Literature, 1865-1945
 - ~ ENGL-267: Contemporary American Literature, 1940-present
 - ~ ENGL-280: American Literature of the 1920s: The Lost Generation (*Writing Intensive*)
 - ~ ENGL-301: American Novel (*Writing Intensive*)
 - ~ ENGL-340: American Literature Seminar

- ~ Two courses (6 credits) in British Literature at the 200-level or above chosen from the following, which may not be offered every semester:
 - ~ ENGL-206: Twentieth-Century and Contemporary British Poetry
 - ~ ENGL-225: Eighteenth-Century British Literature
 - ~ ENGL-233: British Romanticism
 - ~ ENGL-238: Victorian Literature
 - ~ ENGL-248: Irish Literature I: The Celtic Era to the Gaelic Movement
 - ~ ENGL-249: Irish Literature II: 20th Century Irish Renaissance to the Present
 - ~ ENGL-300: James Joyce and Ulysses
 - ~ ENGL-308: British Novel (*Writing Intensive*)
 - ~ ENGL-338: Age of Chaucer
 - ~ ENGL-342: British Literature Seminar
- ~ Choice of:
 - ~ ENGL-201: Shakespeare's Heroes and Heroines
OR
 - ~ ENGL-202: Shakespeare in Love and War)
- ~ Two courses (6 credits) chosen from the following, which may not be offered every semester
 - ~ ENGL-104: Introduction to Literature
 - ~ ENGL-110: Literature into Film
 - ~ ENGL-175: The Short Story
 - ~ ENGL-190: Modern Japanese Literature
 - ~ ENGL-227: Drama: Classical to Modern
 - ~ ENGL-228: Modern Drama
 - ~ ENGL-240: The Comic Spirit
 - ~ ENGL-241: Gender and Literature (*Writing Intensive*)
 - ~ ENGL-250: Creative Writing
 - ~ ENGL-260: Ethnic Voices
 - ~ ENGL-271: Gothic Tradition in Literature
 - ~ ENGL-281: Special Topics in English/Topics vary by semester (*Repeatable for credit*)
 - ~ ENGL-401: Internship in English Literature
 - ~ ENGL-410: A Sense of Place (*Intersession course*)
 - ~ ENGL-481: Advanced Special Topics in English/Topics vary by semester (*Repeatable for credit*)

Sample Bachelor of Arts: English Literature Major /selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15/16*	Year Three Fall – 16	Year Four Fall – 15
COMM-110 or 141 ENGL-101 RLST-104 Language 103 WOK or elective FYIN-100*	ENGL American ENGL British GLST-201 RLST-2XX WOK or elective FYIN-101*	COMM elective ENGL elective (WI) ETHS-201 PSPK-101 (1 cr) Minor #2 or elective Minor #3 or elective	COMM elective ENGL-201 or 202 ENGL-488 WOK or elective Minor #6 or elective
Year One Spring – 15/16*	Year Two Spring -16/17*	Year Three Spring – 15	Year Four Spring – 13
COMM elective ENGL American ILAR-101 WOK or elective WOK or elective PHED #1* Swim Test*	COMM elective ENGL elective Minor #1 or elective WOK or elective WOK or elective (4 cr) PHED #2*	COMM elective ENGL British Minor #4 or elective Minor #5 or elective WOK or elective	ENGL-498 WOK or elective WOK or elective WOK or elective Elective (1 cr)

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Communications

Chestnut Hill College offers the Bachelor of Arts (BA) in Communications and the Bachelor of Science (BS) in Communications and Technology. Core courses explore theories and practices of communication. Majors choose an

area of concentration from the following: Media Studies and Production; Journalism and Professional Writing; or Corporate Communications. The program integrates research, analysis and creative production.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses *Required in the Major* in order to successfully complete the requirements for the Majors. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minors. Interested students should contact Kimberly Leahy, Room 1, St. Joseph Hall. Telephone: 215.248-3601. Email: Leahyk@chc.edu.

**Major in Communications/
Media Studies and Production Concentration – 45 credits**

Courses are 3 credits unless indicated.

Required in the Major:

- ~ COMM-141: Introduction to Journalism (*WOK: Behavioral*)
- ~ COMM-201: Introduction to Film Analysis
- ~ COMM-203: Visual Literacy
- ~ COMM-221: Video Design and Production I
- ~ COMM-251: Mass Media and Society
- ~ COMM-253: Advanced Public Speaking Applications
- ~ COMM-258: Scriptwriting (*Writing Intensive*)
- ~ COMM-310: Theories and Research Methods
- ~ COMM-401: Internship in Communications
- ~ COMM-498: Senior Seminar in Communications
- ~ Five courses (15 credits) chosen from the following, which may not be offered every semester:
 - ~ COMM-102: Newspaper Workshop (1 credit course may be taken up to three times)
 - ~ COMM-112: Television Workshop (1 credit course may be taken up to three times)
 - ~ COMM-210: Interpersonal Communication
 - ~ COMM-221: Video Design and Production I
 - ~ COMM-230: Audio Production
 - ~ COMM-252: Writing for Electronic Media (*Writing Intensive*)
 - ~ COMM-255: Public Relations
 - ~ COMM-260: Public Relations Writing (*Writing Intensive*)
 - ~ COMM-265: Writing and Editing for Magazines (*Writing Intensive*)
 - ~ COMM-275: Persuasive Methods
 - ~ COMM-281: Special Topics in Communications/Topics vary by semester (*Repeatable for credit.*)
 - ~ COMM-325: Video Design and Production II
 - ~ COMM-481: Advanced Special Topics in Communications/Topics vary by semester (*Repeatable for credit.*)

Sample Bachelor of Arts: Communications Major / Media Studies and Production Concentration / selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student’s individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student’s responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15	Year Three Fall – 14	Year Four Fall – 16/17*
COMM-141 ENGL-101 RLST-104 Language 103 WOK or elective FYIN-100*	COMM-221 GLST-201 RLST-2XX COMM elective WOK or elective	COMM-253 ETHS-201 Minor #1 or elective WOK or elective (4 cr) Elective (1 cr)	COMM-310 COMM-401 COMM elective Minor #4 or elective WOK or elective Elective (1 cr) FYIN-101* with Internship
Year One Spring – 15/16*	Year Two Spring – 15/16*	Year Three Spring – 15	Year Four Spring – 15
COMM-201 COMM-203 ILAR-101 WOK or elective WOK or elective PHED #1* Swim Test*	COMM-251 COMM-258 (WI) COMM elective WOK or elective WOK or elective PHED #2*	COMM-325 COMM elective COMM elective Minor #2 or elective Minor #3 or elective	COMM-498 Minor #5 or elective Minor #6 or elective WOK or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

**Major in Communications/
Corporate Communication Concentration – 45 credits**

Courses are 3 credits unless indicated.

Required in the Major:

- ~ COMM-110: Introduction to Communications (*WOK: Behavioral*)
- ~ COMM-210: Interpersonal Communication
- ~ COMM-251: Mass Media and Society
- ~ COMM-253: Advanced Public Speaking Applications
- ~ COMM-254: Advertising
- ~ COMM-255: Public Relations
- ~ COMM-275: Persuasive Methods
- ~ COMM-310: Theories and Research Methods
- ~ COMM-401: Internship in Communications
- ~ COMM-498: Senior Seminar in Communications
- ~ 15 credits (five courses) chosen from the following, which may not be offered every semester:
 - ~ COMM-260: Public Relations Writing (*Writing Intensive*)
 - ~ COMM-281: Special Topics in Communications/Topics vary by semester (*Repeatable for credit.*)
 - ~ COMM-481: Advanced Special Topics in Communications/Topics vary by semester (*Repeatable for credit.*)
 - ~ CMTC-320: Presentations in Multimedia
 - ~ MKTG-203: Marketing Principles
 - ~ MKTG-205: Consumer Behavior
 - ~ MKTG-206: International Marketing
 - ~ MKTG-365: Marketing Management

Sample Bachelor of Arts: Communications Major/Corporate Communication Concentration/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only; it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15	Year Three Fall – 16	Year Four Fall – 15/16*
COMM-110 ENGL-101 RLST-104 Language 103 WOK or elective FYIN-100*	COMM-255 COMM elective GLST-201 WOK or elective WOK or elective	ETHS-201 COMM elective COMM elective WOK or elective (4 cr) Minor #1 or elective	COMM-310 COMM-401 Minor #4 or elective Minor #5 or elective WOK or elective FYIN-101* with Internship
Year One Spring – 15/16*	Year Two Spring – 15/16*	Year Three Spring – 15	Year Four Spring – 14
COMM-210 COMM-275 WOK or elective WOK or elective ILAR-101 PHED #1* Swim Test*	COMM-251 COMM-253 MKTG-205 COMM elective WOK or elective (WI) PHED #2	COMM-325 RLST-2XX COMM elective Minor #2 or elective Minor #3 or elective	COMM-254 COMM-498 Minor #6 or elective WOK or elective Elective (1 cr) Elective (1 cr)

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Major in Communications/Journalism and Professional Writing Concentration – 45 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ COMM-141: Introduction to Journalism
- ~ COMM-221: Video Design and Production I
- ~ COMM-251: Mass Media and Society (*WOK: Behavioral*)
- ~ COMM-252: Writing for Electronic Media
- ~ COMM-253: Advanced Public Speaking Applications
- ~ COMM-255: Public Relations
- ~ COMM-310: Theories and Research Methods
- ~ COMM-401: Internship in Communications
- ~ COMM-498: Senior Seminar in Communications
- ~ CMTC-200: Introduction to Web Development and Design
- ~ Five courses (15 credits) chosen from the following, which may not be offered every semester:
 - ~ COMM-112: Television Workshop (1 credit course may be taken up to three times)
 - ~ COMM-102: Newspaper Workshop (1 credit course may be taken up to three times)
 - ~ COMM-254: Advertising
 - ~ COMM-258: Scriptwriting (*Writing Intensive*)
 - ~ COMM-260: Public Relations Writing (*Writing Intensive*)

- ~ COMM-265: Writing and Editing for Magazines
- ~ COMM-275: Persuasive Methods
- ~ COMM-325: Video Design and Production II
- ~ COMM-281: Special Topics in Communications/Topics vary by semester (*Repeatable for credit.*)
- ~ COMM-481: Advanced Special Topics in Communications/Topics vary by semester (*Repeatable for credit.*)
- ~ CMTC-210: Computer Graphics with Photoshop
- ~ CMTC-215: Desktop Publishing
- ~ CMTC-320: Presentations in Multimedia
- ~ ENGL-204: Writing Literary Non-Fiction

Sample Bachelor of Arts: Communications Major/Journalism and Professional Writing Concentration/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15	Year Three Fall – 16	Year Four Fall – 14/15*
COMM-141 ENGL-101 RLST-104 Language 103 WOK or elective FYIN-100*	COMM-251 GLST-201 COMM Elective WOK or elective WOK or elective	COMM-265 (WI) ETHS-201 Minor #1 or elective WOK or elective WOK or elective (4 cr)	COMM-310 COMM-401 Minor #4 or elective Minor #5 or elective Elective (1 cr) Elective (1 cr) FYIN-101* with Internship
Year One Spring – 15/16*	Year Two Spring – 15/16*	Year Three Spring – 15	Year Four Spring – 15
COMM-221 COMM-252 ILAR-101 WOK or elective WOK or elective PHED #1* Swim Test*	CMTC-200 COMM-253 RLST-2XX COMM Elective WOK or elective PHED #2	COMM-260 COMM-255 Minor #2 or elective Minor #3 or elective WOK or elective	COMM-498 Minor #6 or elective COMM Elective COMM Elective COMM Elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Communications – 18 credits

Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Courses are 3 credits unless indicated. *Requirements:*

- ~ COMM-110: Introduction to Communication (*WOK: Behavioral*)
- ~ COMM-251: Mass Media and Society (*WOK: Behavioral*)
- ~ COMM-253: Advanced Public Speaking Applications
- ~ Three courses (9 credits) chosen from the following, which may not be offered every semester:
 - ~ COMM-102: Newspaper Workshop (1 credit course may be taken up to three times)
 - ~ COMM-112: Television Workshop (1 credit course may be taken up to three times)
 - ~ COMM-275: Persuasive Methods
 - ~ COMM-281: Special Topics in Communications/Topics vary by semester (*Repeatable for credit*)
 - ~ COMM-401: Internship in Communications (*Recommended*)
 - ~ COMM-481: Advanced Special Topics in Communications/Topics vary by semester (*Repeatable for credit*)

Communications and Technology

Communications and Technology majors receive the Bachelor of Science (BS) degree. A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major.

Major in Communications and Technology – 45 credits

Required in the Major:

- ~ COMM-110: Introduction to Communications (*WOK: Behavioral*)
- ~ COMM-251: Mass Media and Society
- ~ COMM-253: Advanced Public Speaking Applications
- ~ COMM-310: Theories and Research Methods
- ~ COMM-401: Internship in Communications
- ~ COMM-498: Senior Seminar in Communications
- ~ CMTC-200: Introduction to Web Development and Design

- ~ CMTC-205: Computer Graphics Design I
- ~ CMTC-320: Presentations in Multimedia
- ~ CMTC-330: Introduction to Visual Basic Programming (4 credits)
- ~ Five courses (15 credits) chosen from the following, which may not be offered every semester:
 - ~ COMM-112: Television Workshop (1 credit course may be taken up to three times)
 - ~ COMM-102: Newspaper Workshop (1 credit course may be taken up to three times)
 - ~ COMM-221: Video Design and Production I
 - ~ COMM-230: Audio Production
 - ~ COMM-325: Video Design and Production II
 - ~ COMM-281: Special Topics in Communications/Topics vary by semester (Repeatable for credit.)
 - ~ COMM-481: Advanced Special Topics in Communications/Topics vary by semester (Repeatable for credit.)
 - ~ CMTC-201: Web Page Design: Programming in xHTML
 - ~ CMTC-210: Computer Graphics with Photoshop
 - ~ CMTC-215: Desktop Publishing
 - ~ CMTC-230: Information Systems for Organization
 - ~ CMTC-305: Advanced Web Design
 - ~ CMTC-340: Information Management

Sample Bachelor of Science: Communication and Technology Major/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15	Year Three Fall – 16	Year Four Fall – 15/16*
COMM-110 ENGL-101 RLST-104 Language 103 WOK or elective FYIN-100*	COMM-251 GLST-201 RLST-2XX COMM/CMTC elective WOK or elective (WI)	CMTC-320 ETHS-201 COMM/CMTC elective Minor #1 or elective WOK or elective Elective (1 cr)	COMM-310 COMM-401 Minor #3 or elective Minor #4 or elective WOK or elective FYIN-101* with Internship
Year One Spring – 15/16*	Year Two Spring – 13/14*	Year Three Spring – 16	Year Four Spring – 15
CMTC-200 CMTC-205 ILAR-101 WOK or elective PHED #1* Swim Test*	CMTC-215 CMTC-230 COMM-253 WOK or elective (4 cr) PHED #2*	CMTC-330 COMM/CMTC elective Minor #2 or elective WOK or elective WOK or elective Elective (1 cr)	COMM-498 Minor #5 or elective Minor #6 or elective WOK or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

FOREIGN LANGUAGE and LITERATURE

MARY HELEN KASHUBA, SSJ, DML, PROFESSOR OF FRENCH AND RUSSIAN

~ CHAIR OF THE FOREIGN LANGUAGE AND LITERATURE DEPARTMENT

AÍDA M. BEAUPIED, PHD, PROFESSOR OF SPANISH

CECELIA J. CAVANAUGH, SSJ, PHD, ASSOCIATE PROFESSOR OF SPANISH

~ DEAN OF THE SCHOOL OF UNDERGRADUATE STUDIES,

JEAN FAUSTMAN, SSJ, DML, ASSOCIATE PROFESSOR OF FRENCH AND SPANISH

MARGARET MARY MURPHY, SSJ, MA, ASSOCIATE PROFESSOR OF CLASSICS

CARMEN VILLEGAS ROGERS, EDD, ASSOCIATE PROFESSOR OF FRENCH AND SPANISH

MARY FAZZINI DI CAMILLO, MA, INSTRUCTOR IN SPANISH

Chestnut Hill College offers a Bachelor of Arts (BA) in French and a Bachelor of Arts (BA) in Spanish. Minors may be pursued in French, Spanish, Latin, Classical Civilization and in other languages with the approval of the Department. The Department also offers courses in Chinese, Classical Civilization (in English), German, Italian, Latin, Russian and English for Speakers of Other Languages (ESOL.) All courses except Classics are conducted in the target language and emphasize a communicative approach. Interested students should contact Mary Helen Kashuba, SSJ, Room 25B, Fournier Hall. Telephone: 215.248-7124. Email: kashubam@chc.edu.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor.

Advanced Placement

A score of 3 in Language or Literature is equivalent to the 103 course in the respective language, worth 3 credits. This satisfies the Core Foreign Language requirement. A score of 4 or 5 in Language is equivalent to any *Language-221: Advanced Grammar and Composition*, which also satisfies the requirement. A score of 4 or 5 in Literature is equivalent to an introductory course in literature, assigned at the discretion of the Department, and is worth 3 credits. This also satisfies the requirement.

Honors and Honor Societies

The Foreign Language Department invites outstanding majors and minors to join The International Foreign Language Honor Society, Phi Sigma Iota. These majors or minors must have a minimum overall GPA of 3.00, with a 3.50 GPA or higher in their language courses with at least one 200-level or above course completed. They must also rank in the top 35% of their class and have achieved Junior class status (5+ earned academic credits).

Outstanding students may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. All students who have successfully completed the Honors Program will be recognized with Honors in their major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

Core Foreign Language Requirement

Students are required to take one Foreign Language course at 103 or above, according to their placement by the Department.

Proficiencies

Students completing a major in French or Spanish should demonstrate oral and written proficiency at the level of intermediate high or above, through the Oral Proficiency Interview according to the ACTFL Proficiency Guidelines. Language majors are also required to study a second language for at least two semesters and should be able to demonstrate knowledge of that language at the intermediate level or above, according to the ACTFL Proficiency Guidelines. Exceptions to the second language requirement may be made for students pursuing a double major.

Secondary Education Certification Program/Secondary Education Minor

The Secondary Education Certification Program in Foreign Language (Grades K through 12) is available to students studying French, Spanish and/or Latin. The Program integrates educational theory and practice with field

experiences that include practicum and student teaching, as well as opportunities to develop teaching competence through innovative and effective approaches to the educational process with focus on students at the Secondary Level. Contact the Education Department for information on applying for the Secondary Education minor.

The Pennsylvania Department of Education (PDE) now requires that all Secondary Education Certification Program participants have 9 credits of Special Education coursework, and 3 credits of Teaching English as a Second Language coursework. In addition, participants will need to meet field experience competencies that will either require two separate practicum experiences, or one practicum and one extended student teaching experience. The PDE has not identified the field experience competencies as of July 1, 2011. The Education Department will determine the best options for students on an individual basis

Students seeking certification are expected to demonstrate oral (except Latin – see below) and written proficiency in the language at the level of intermediate high or above, through the Oral Proficiency Interview according to the ACTFL Proficiency Guidelines. Students in the minor are expected to complete all courses listed below including student teaching. Students may complete student teaching after graduation but the minor will not be included on the transcript unless student teaching is successfully completed. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Following formal acceptance into the minor, students need to complete the following courses in addition to all major requirements:

Minor in Secondary Education (French or Spanish) – 36 credits minimum

Courses are 3 credits unless indicated. *Requirements:*

- ~ EDSC-201: Adolescent Psychology and Development
- ~ EDSC-202: Educational Psychology (*WOK: Behavioral*)
- ~ EDSC-203: The Foundations of High School
- ~ EDSC-315: General Methods & Assessment
- ~ EDSC-420: Student Teaching in Secondary School (6 credits)
- ~ EDSC-421: Student Teaching Seminar/Secondary School
- ~ EDSP-312: Reading Interventions for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations
- ~ EDSP-390: ESL Foundations and Methods
- ~ FLED-352: Special Methods in Foreign Language Teaching

May be required; discuss options with a Faculty Advisor:

- ~ EDSP-355: Instruction in Inclusive Environment

First language certification in French or Spanish requires a major or its equivalent in the language. Second language certification requires the candidate to pass the PRAXIS or ACTFL Oral Proficiency Interview in French or Spanish. Further study may be recommended, depending on the level of the candidate.

The candidate for certification in Latin must demonstrate proficiency in written Latin. Please note that this program may require course work at other institutions. Following formal acceptance into the minor, students need to complete the following courses (36 credits minimum) in Education as well as the indicated courses in Latin and Classical Civilization:

Minor in Secondary Education (Latin) – 60 credits minimum

Courses are 3 credits unless indicated. *Requirements:*

- ~ EDSC-201: Adolescent Psychology and Development
- ~ EDSC-202: Educational Psychology (*WOK: Behavioral*)
- ~ EDSC-203: The Foundations of High School
- ~ EDSC-315: General Methods & Assessment
- ~ EDSC-420: Student Teaching in Secondary School (6 credits)
- ~ EDSC-421: Student Teaching Seminar/Secondary School
- ~ EDSP-312: Reading Interventions for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations
- ~ EDSP-390: ESL Foundations and Methods
- ~ FLED-352: Special Methods in Foreign Language Teaching

Also required:

- ~ Six courses (18 credits) in Latin chosen from the following, which may not be offered every semester and may require coursework at another institution:
 - ~ LATN-102: Elementary Latin II
 - ~ LATN-103: Intermediate Latin I
 - ~ LATN-104: Intermediate Latin II
 - ~ LATN-240: The Gift of Virgil (*WOK: Literary*)
 - ~ LATN-241: Early Christian and Medieval Latin (*WOK: Literary*)
 - ~ LATN-261: Survey of Latin Poetry (*WOK: Literary*)
 - ~ LATN-262: Survey of Latin Poetry and Prose (*WOK: Literary*)
 - ~ LATN-281: Special Topics/Topics vary by semester (*Repeatable for credit*)
 - ~ LATN-321: Stylistics and Prose Literature (*WOK: Literary*)
 - ~ LATN-481: Advanced Special Topics/Topics vary by semester (*Repeatable for credit*)
- ~ Two courses (6 credits) in Classical Civilization chosen from the following, which may not be offered every semester:
 - ~ CLCV-151: Enter the Hero and the Heroine (*WOK: Literary*)
 - ~ CLCV-153: Mythology as Living Tradition (*WOK: Literary*)
 - ~ CLCV-281: Special Topics in Classical Civilization/Topics vary by semester (*Repeatable for credit*)
 - ~ CLCV-481: Advanced Special Topics in Classical Civilization/Topics vary by semester (*Repeatable for credit*)

May be required; discuss options with a Faculty Advisor:

- ~ EDSP-355: Instruction in Inclusive Environment

Consortium Agreements/Study Abroad

The Department provides opportunities for internships and study abroad and strongly recommends an immersion experience (stateside or abroad) in the major language. Students who wish to study abroad must have a GPA of 3.00. Students who wish to study in Paris, France may enroll in the Cours de Civilisation Française de la Sorbonne. This program is designed especially for non-Francophone students with courses given in French. Similar programs exist in conjunction with the Universidad Internacional in Cuernavaca, Mexico, St. Louis University in Madrid, Spain, and the University of Salamanca in Spain. Students pursuing a business degree can attend the American Business School in Paris or CEFAM (Centre d'études franco-américain de management) in Lyon, France. These institutions offer business courses in English. Most financial aid is applicable to all study abroad.

French

The major in French aims to provide students with knowledge and appreciation of the French language and French and Francophone culture and literature. Students learn to understand, speak, read and write the language and to acquire practical skills that will equip them for careers in business, government, communications, education and other areas in which language skills and cultural background are assets. Students learn to analyze through studying the structure of the language. They also develop an ability to interpret literature and thus bring a humanizing dimension to their own lives and to modern society.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major.

Major in French – 42 credits (fourteen courses total)

Required in the Major:

- ~ FREN-498: Senior Seminar in French
- ~ Two to three courses (6 – 9 credits) in French language chosen from the following, which may not be offered every semester:
 - ~ FREN-221: Grammaire et Composition Avancée (*Writing Intensive*)
 - ~ FREN-222: French for Oral Proficiency
 - ~ FREN-228: Le Français Commercial
- ~ Two to three courses (6 – 9 credits) in French civilization chosen from the following, which may not be offered every semester:
 - ~ FREN-231: Introduction à la Culture Française I
 - ~ FREN-232: Introduction à la Culture Française II
 - ~ FREN-233: Expériences dans la Civilisation Française
 - ~ FREN-234: Contemporary Culture of the French Regions
- ~ Four to six courses (12-18 credits) in French literature chosen from the following, which may not be offered every semester:
 - ~ FREN-281: Special Topics/Topics vary by semester (*WOK: Literary and repeatable for credit.*)

- ~ FREN-341: Le Dix-septième Siècle (*WOK: Literary*)
- ~ FREN-342: Le Siècle des Lumières (*WOK: Literary*)
- ~ FREN-353: Romantisme et Réalisme (*WOK: Literary*)
- ~ FREN-354: Le Vingtième Siècle (*WOK: Literary*)
- ~ FREN-355: Le Classicisme Éternel (*WOK: Literary*)
- ~ FREN-361: La Littérature Francophone (*WOK: Literary*)
- ~ FREN-481: Advanced Special Topics/Topics vary by semester (*Repeatable for credit*)

Also required:

- ~ Two courses (6 credits) with intermediate proficiency in one of the following languages:

Chinese	Italian
Latin	Russian
German	Spanish

Recommended, but not required:

- ~ FREN-401: Internship in French

Sample Bachelor of Arts: French Major/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15/16*	Year Three Fall – 15	Year Four Fall – 15
ENGL-101 FREN-103 or 231 RLST-104 WOK or elective WOK or elective FYIN-100*	FREN- 221 or 231 (WI) GLST-201 Additional Language WOK or elective WOK or elective FYIN-101*	FREN-221 or Literature FREN Civilization ETHS-201 Additional Language or elective Minor #1 or elective	FREN Literature or Civilization FREN Literature FREN Language Minor #3 or elective Minor #4 or elective
Year One Spring – 16/17*	Year Two Spring – 14/15*	Year Three Spring – 15	Year Four Spring – 15
FREN-104 or 232 ILAR-101 RLST-2XX WOK or elective WOK or elective (4 cr) PHED #1* Swim Test*	FREN- 222 or 232 PSPK-101 (1 cr) Additional Language Elective (1 cr) WOK or elective WOK or elective PHED #2*	FREN-222 or Literature FREN Literature FREN Civilization or Literature Additional Language or elective Minor #2 or elective	FREN-498 FREN Literature FREN Language Minor #5 or elective Minor #6 or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Spanish

The Spanish major offers opportunities to develop an appreciation and understanding of the literature and culture of Spain and Latin America, as well as to develop fluency in oral and written Spanish. Students learn to understand, speak, read and write the language and to acquire practical skills that will equip them for careers in business, government, communications, education and other areas in which language skills and cultural background are assets. Students learn to analyze through studying the structure of the language. They also develop an ability to interpret literature and thus bring a humanizing dimension to their own lives and to modern society.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major.

Major in Spanish – 42 credits (fourteen courses total)

Required in the Major:

- ~ Two to three courses (6 – 9 credits) in Spanish language chosen from the following, which may not be offered every semester:
 - ~ SPAN-220: Spanish for Heritage Speakers
 - ~ SPAN-221: Advanced Grammar and Composition (*Writing Intensive*)
 - ~ SPAN-222: Advanced Conversation
 - ~ SPAN-228: Commercial Spanish
- ~ Two to three courses (6 – 9 credits) in Spanish civilization chosen from the following, which may not be offered every semester:
 - ~ SPAN-231: Introduction to Hispanic Culture/Spain
 - ~ SPAN-232: Introduction to Hispanic Culture/Latin America

- ~ SPAN-281: Special Topics/Topics vary by semester (*Repeatable for credit.*)
- ~ SPAN-481: Advanced Special Topics in Spanish/Topics vary by semester (*Repeatable for credit*)
- ~ Four to six courses (12 - 18 credits) in Spanish literature chosen from the following, which may not be offered every semester:
 - ~ SPAN-261: Masterpieces of Hispanic Literature I (*Writing Intensive*)
 - ~ SPAN-262: Masterpieces of Hispanic Literature II (*Writing Intensive*)
 - ~ SPAN-263: Masterpieces of Hispanic Literature III (*WOK: Literary*)
 - ~ SPAN-281: Special Topics/Topics vary by semester (*Repeatable for credit.*)
 - ~ SPAN-340: Colonial Latin American Literature (*WOK: Literary*)
 - ~ SPAN-341: The Spanish Golden Age (*WOK: Literary*)
 - ~ SPAN-353: Nineteenth Century Spanish Literature (*WOK: Literary*)
 - ~ SPAN-354: Contemporary Spanish Literature
 - ~ SPAN-355: Contemporary Latin American Literature (*WOK: Literary*)
 - ~ SPAN-361: Literary Works and the Movies They Inspired (*WOK: Literary*)
 - ~ SPAN-362: Hispanic Women Writers
 - ~ SPAN-365: Literature of the Caribbean
 - ~ SPAN-370: Literature in Translation
 - ~ SPAN-481: Advanced Special Topics in Spanish/Topics vary by semester (*Repeatable for credit*)
- ~ SPAN-498: Senior Seminar in Hispanic Literature

Also required:

- ~ Two courses (6 credits) with intermediate proficiency in one of the following languages:

Chinese	Italian
Latin	Russian
German	French

Recommended, but not required:

- ~ SPAN-401: Internship in Spanish

Sample Bachelor of Arts: Spanish Major/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 16/17*	Year Three Fall – 15	Year Four Fall – 15
ENGL-101 RLST-104 SPAN-103, 231, 220 or 221 WOK or elective WOK or elective FYIN-100*	GLST-201 SPAN- 221 (WI) Additional Language WOK or elective WOK or elective Elective (1 cr) FYIN-101*	ETHS-201 SPAN-3XX or 261/262 SPAN Literature Additional Language or elective Minor #1 or elective	SPAN Literature SPAN Literature SPAN Literature or Civilization Minor #3 or elective Minor #4 or elective
Year One Spring – 16/17*	Year Two Spring – 13/14*	Year Three Spring – 15	Year Four Spring – 15
ILAR-101 RLST-2XX SPAN-104, 261, 222 WOK or elective WOK or elective (4 cr) PHED #1* Swim Test*	PSPK-101 (1 cr) SPAN- 222 or 232 Additional Language WOK or elective WOK or elective PHED #2*	SPAN-Literature or 222 SPAN Literature SPAN Literature, Civilization, or Language Additional Language Minor #2 or elective	SPAN-498 SPAN Literature Minor #5 or elective Minor #6 or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in French and/or Spanish – 18 credits

Students may choose a minor in French, or Spanish, or another language with the permission of the Department. Students wishing to minor in a language must consult with the Chair of the Department or a designated faculty advisor. All courses for the minor must be in the same language. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Students may request a *combined* foreign language minor only if they have 18 credits beyond 103-104 (intermediate level) in *two* languages. Accepted for the minor, if student is placed at this level:

- ~ Two courses (6 credits) of intermediate-level language:
 - ~ FREN-103: Intermediate French I
 - ~ FREN-104: Intermediate French II
 - OR
 - ~ SPAN-103: Intermediate Spanish I
 - ~ SPAN-104: Intermediate Spanish II

~ SPAN-108: Spanish for Educators II

Requirements:

- ~ One course (3 credits) in Advanced Grammar chosen from the following, which may not be offered every semester:
 - ~ FREN-221: Grammaire et Composition Avancée (*Writing Intensive*)
 - OR
 - ~ SPAN-220: Spanish for Heritage Speakers
 - OR
 - ~ SPAN-221: Advanced Grammar and Composition
- ~ One course (3 credits) in Advanced Conversation chosen from the following, which may not be offered every semester (Native speakers may replace one of these courses with a 200- or 300-level course at the recommendation of the department.):
 - ~ FREN-222: French for Oral Proficiency
 - OR
 - ~ SPAN-222: Advanced Conversation
- ~ Two to four courses (6 to 12 credits) chosen from the following, which may not be offered every semester:
 - ~ FREN-228: Le Français Commercial
 - ~ FREN-231: Introduction à la Culture Française I
 - ~ FREN-232: Introduction à la Culture Française II
 - ~ FREN-233: Expériences dans la Civilisation Française
 - ~ FREN-234: Contemporary Culture of the French Regions
 - ~ FREN-281: Special Topics/Topics vary by semester (*Repeatable for credit*)
 - ~ FREN-341: Le Dix-septième Siècle (*WOK: Literary*)
 - ~ FREN-342: Le Siècle des Lumières (*WOK: Literary*)
 - ~ FREN-353: Romantisme et Réalisme (*WOK: Literary*)
 - ~ FREN-354: Le Vingtième Siècle (*WOK: Literary*)
 - ~ FREN-355: Le Classicisme Éternel (*WOK: Literary*)
 - ~ FREN-361: La Littérature Francophone (*WOK: Literary*)
 - ~ FREN-481: Advanced Special Topics in French/Topics vary by semester (*Repeatable for credit*)
 - OR
 - ~ SPAN-228: Commercial Spanish
 - ~ SPAN-231: Introduction to Hispanic Culture/Spain
 - ~ SPAN-232: Introduction to Hispanic Culture/Latin America
 - ~ SPAN-261: Masterpieces of Hispanic Literature I (*Writing Intensive*)
 - ~ SPAN-262: Masterpieces of Hispanic Literature II (*Writing Intensive*)
 - ~ SPAN-263: Masterpieces of Hispanic Literature III (*WOK: Literary*)
 - ~ SPAN-281: Special Topics/Topics vary by semester (*Repeatable for credit*)
 - ~ SPAN-340: Colonial Latin American Literature (*WOK: Literary*)
 - ~ SPAN-341: The Spanish Golden Age (*WOK: Literary*)
 - ~ SPAN-353: Nineteenth Century Spanish Literature (*WOK: Literary*)
 - ~ SPAN-354: Contemporary Spanish Literature
 - ~ SPAN-355: Contemporary Latin American Literature (*WOK: Literary*)
 - ~ SPAN-361: Literary Works and the Movies They Inspired (*WOK: Literary*)
 - ~ SPAN-362: Hispanic Women Writers
 - ~ SPAN-365: Literature of the Caribbean
 - ~ SPAN-370: Literature in Translation
 - ~ SPAN-481: Advanced Special Topics in Spanish/Topics vary by semester (*Repeatable for credit*)

Latin and Classical Civilization

Students may choose to focus on a minor in Latin or in Classical Civilization. Please note that coursework at other institutions may be required. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minors. Interested students should contact Mary Helen Kashuba, SSJ, Room 25B, Fournier Hall. Telephone: 215.248-7124. Email: kashubam@chc.edu. *Requirements:*

Minor in Latin – 18 credits

Requirements:

- ~ Four courses (12 credits) in Latin chosen from the following, which may not be offered every semester and may require coursework at another institution:
 - ~ LATN-101: Elementary Latin I
 - ~ LATN-102: Elementary Latin II
 - ~ LATN-103: Intermediate Latin I
 - ~ LATN-104: Intermediate Latin II
 - ~ LATN-240: The Gift of Virgil (*WOK: Literary*)

- ~ LATN-241: Early Christian and Medieval Latin (*WOK: Literary*)
- ~ LATN-261: Survey of Latin Poetry (*WOK: Literary*)
- ~ LATN-262: Survey of Latin Prose (*WOK: Literary*)
- ~ LATN-281: Special Topics/Topics vary by semester (*Repeatable for credit*)
- ~ LATN-321: Stylistics and Prose Literature (*WOK: Literary*)
- ~ LATN-481: Advanced Special Topics in Latin/Topics vary by semester (*Repeatable for credit*)
- ~ Two courses (6 credits) in Classical Civilization chosen from the following, which may not be offered every semester:
 - ~ CLCV-151: Enter the Hero and the Heroine (*WOK: Literary*)
 - ~ CLCV-153: Mythology as Living Tradition (*WOK: Literary*)
 - ~ CLCV-281: Special Topics/Topics vary by semester (*Repeatable for credit*)
 - ~ CLCV-481: Advanced Special Topics/Topics vary by semester (*Repeatable for credit*)

Minor Classical Civilization – 18 credits

Requirements:

- ~ Four courses (12 credits) in Classical Civilization or Ancient History chosen from the following, which may not be offered every semester:
 - ~ CLCV-151: Enter the Hero and the Heroine (*WOK: Literary*)
 - ~ CLCV-153: Mythology as Living Tradition (*WOK: Literary*)
 - ~ CLCV-281: Special Topics/Topics vary by semester (*Repeatable for credit*)
 - ~ CLCV-481: Advanced Special Topics/Topics vary by semester (*Repeatable for credit*)
 - ~ HIST-201: Ancient Greece (*WOK: Historical*)
 - ~ HIST-202: Ancient Rome (*WOK: Historical*)
- ~ Two courses (6 credits) in Latin chosen from the following, which may not be offered every semester:
 - ~ LATN-101: Elementary Latin I
 - ~ LATN-102: Elementary Latin II
 - ~ LATN-103: Intermediate Latin I
 - ~ LATN-104: Intermediate Latin II
 - ~ LATN-240: The Gift of Virgil (*WOK: Literary*)
 - ~ LATN-241: Early Christian and Medieval Latin (*WOK: Literary*)
 - ~ LATN-261: Survey of Latin Poetry (*WOK: Literary*)
 - ~ LATN-262: Survey of Latin Prose (*WOK: Literary*)
 - ~ LATN-281: Advanced Special Topics in Latin/Topics vary by semester (*Repeatable for credit*)
 - ~ LATN-321: Stylistics and Prose Literature (*WOK: Literary*)
 - ~ LATN-481: Advanced Special Topics in Latin/Topics vary by semester (*Repeatable for credit*)

International Studies

Certificate in International Studies – 24 credits

The International Studies Certificate program enables students, in any major, to become more aware of the growing interdependence of nations. Courses with a multi-cultural dimension and an international focus, as well as the study of languages, broaden horizons and prepare participants to be agents in solving problems in a positive and peaceful way. An internship with an international dimension provides realistic experience and enhances career opportunities in the United States and abroad. Although the course plan and focus should be finalized by the first semester of Junior year, it is recommended that students begin their program in their first year. Interested students should contact Mary Helen Kashuba, SSJ, Room 25B Fournier Hall. Telephone: 215.248-7124. Email: kashubam@chc.edu. The choice of courses should be interdisciplinary in nature and may be used to fulfill Major and *Ways of Knowing* requirements.

Requirements:

- ~ *GLST-201: Global Studies Seminar/ Any Topic*
- ~ Four courses focusing on a specific topic chosen in consultation with an international studies advisor. Examples of topics: Ecology and Environment in an International context; Multinational Corporations and International Business; Children and the Family in an International context; Multiculturalism in the Arts, etc.
- ~ Foreign Language Competency: Two courses in a Foreign Language at the Intermediate level or above. The student must reach a minimum of intermediate (mid) on the ACTFL oral proficiency scale. The ACTFL oral proficiency interview or an equivalent will assess the student's level.
- ~ *IBLC-401: Internship in IBLC*/an internship with an international dimension, related if possible to the focus and the language. Internships abroad are encouraged.

HISTORY and POLITICAL SCIENCE

LORRAINE COONS, PHD, PROFESSOR OF HISTORY

~ CHAIR OF THE HISTORY AND POLITICAL SCIENCE DEPARTMENT

DAVID R. CONTOSTA, PHD, PROFESSOR OF HISTORY
PHILIP MCGOVERN, MA, ADJUNCT FACULTY, POLITICAL SCIENCE
BARBARA NOLAN, SSJ, PHD, ADJUNCT PROFESSOR OF POLITICAL SCIENCE
JACQUELINE REICH, PHD, ASSISTANT PROFESSOR OF POLITICAL SCIENCE
JULIANNE TROICKI, PHD, ASSISTANT PROFESSOR OF POLITICAL SCIENCE
ALEXANDER VARIAS, PHD, ADJUNCT FACULTY, HISTORY
WILLIAM T. WALKER, PHD, ADJUNCT PROFESSOR OF HISTORY

History

Chestnut Hill College offers a Bachelor of Arts (BA) in History as well as a minor in History. Also offered is the interdisciplinary minor in Women's Studies. Interested students should contact Lorraine Coons, Room 377, Fournier Hall. Telephone: 215.248-7184. Email: lcoons@chc.edu.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for a minor.

Departmental Mission

The objective of the program is to give the History Major or minor a deep awareness of the importance of the historical perspective through courses ranging from ancient times until the present. The student has the opportunity to learn about the self and to analyze historical consciousness. History students are prepared for a wide variety of careers: law, paralegal work, public service, diplomatic service, communications, secondary school teaching, college/university teaching, museums, archives and historical societies, and graduate school.

Honor Societies and Honors

Phi Alpha Theta, the national honor society in History, requires a minimum Career GPA of 3.00 and a 3.10 GPA in History. Eligible candidates must also rank in the top 35% of their class. Both majors and minors are eligible for nominations into the society upon completion of 12 semester hours of coursework in History.

Outstanding students may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. All students who have successfully completed the Honors Program will be recognized with Honors in their major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

Advanced Placement

HISTORY (American/European/World): 3 credits are given to those students who have attained a score of 3 or better on the test(s). Each test is equivalent to 3 credits; a total of 9 credits may be awarded. The credits are counted as electives; they do not replace courses required for graduation in the History major nor do they fulfill the Historical *Ways of Knowing*.

Secondary Education Certification Program/Secondary Education Minor

The Secondary Education Certification Program in Social Studies (Grades 7 -12) is available to History majors. The Program integrates educational theory and practice with field experiences that include practicum and student teaching, as well as opportunities to develop teaching competence through innovative and effective approaches to the educational process with focus on students at the Secondary Level. Contact the Education Department for information on applying for the Secondary Education minor.

The Pennsylvania Department of Education (PDE) now requires that all Secondary Education Certification Program participants have 9 credits of Special Education coursework and 3 credits of Teaching English as a Second Language coursework. In addition, participants will need to meet field experience competencies that will either require two separate practicum experiences, or one practicum and one extended student teaching experience. The PDE has not identified the field experience competencies as of July 1, 2011. The Education Department will determine the best options for students on an individual basis

Students may complete student teaching after graduation but the minor will not be included on the transcript unless student teaching is successfully completed. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Following formal acceptance into the minor, students need to complete the following courses in addition to all major requirements:

Minor in Secondary Education (History) – 69 credits minimum

Courses are 3 credits unless indicated. *Requirements:*

- ~ EDSC-201: Adolescent Psychology and Development
- ~ EDSC-202: Educational Psychology (*WOK: Behavioral*)
- ~ EDSC-203: The Foundations of High School
- ~ EDSC-315: General Methods & Assessment
- ~ EDSC-317: Special Methods-English/Soc Studies
- ~ EDSC-420: Student Teaching in Secondary School (6 credits)
- ~ EDSC-421: Student Teaching Seminar/Secondary School
- ~ EDSP-312: Reading Interventions for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations
- ~ EDSP-390: ESL Foundations and Methods

Also required:

- ~ ECON-203: Principles of Economics (*pending approval*)
- ~ GEOG-201: World Geography: Humanity and the Environment
- ~ HIST-101: West Civilization: Antiquity-Renaissance (*WOK: Historical*)
- ~ Choice of:
 - ~ HIST-102: West Civilization: Protestant Reformation – Present (*WOK: Historical*)
 - OR
 - ~ HIST-104: Topics in Global History (*WOK: Historical*)
- ~ HIST-141: American Survey: Colonial - Civil War
- ~ HIST-142: American Survey: Reconstruction – Present
- ~ HIST-250: The Pennsylvania Experience
- ~ Two courses (6 credits) in Political Science selected from the following, which may not be offered every semester:
 - ~ PSCI-101: Introduction to Political Science
 - ~ PSCI-112: American State and Local Government
 - ~ PSCI-113: American Political Process
 - ~ PSCI-140: Introduction to World Politics
 - ~ PSCI-214: Constitutional Law: Civil Liberties
 - ~ PSCI-230: Introduction to Comparative Politics/Governmental Systems
- ~ Two courses (6 credits) in Sociology including but not limited to the following, which may not be offered every semester:
 - ~ SOCI-101: Introduction to Sociology
 - ~ SOCI-103: Social Problems
 - ~ SOCI-104: Major Global Problems
 - ~ SOCI-127: Ethnicity

May be required; discuss options with a Faculty Advisor:

- ~ EDSP-355: Instruction in Inclusive Environment

Course Options

A variety of History courses are open to students in any major wishing to fulfill a Historical *Ways of Knowing*; a Writing Intensive requirement; or wanting to pursue interests without committing to a minor. The courses available to students in any major include the following, which may not be offered every semester. Check the Course Descriptions for any Pre-Requisites:

- ~ HIST-101: Western Civilization: Antiquity-Renaissance (*WOK: Historical*)
- ~ HIST-102: Western Civilization: Protestant Reformation – Present (*WOK: Historical*)
- ~ HIST-104: Topics in Global History (*WOK: Historical*)
- ~ HIST-106: Survey of Women's History (*WOK: Historical*)
- ~ HIST-110: History of East Asia (*WOK: Historical*)
- ~ HIST-141: American Survey: Colonial - Civil War (*WOK: Historical*)
- ~ HIST-142: American Survey: Reconstruction – Present (*WOK: Historical*)
- ~ HIST-200: Ancient Near-Eastern and Mediterranean World (*WOK: Historical*)
- ~ HIST-201: Ancient Greece (*WOK: Historical*)

- ~ HIST-202: Ancient Rome (*WOK: Historical*)
- ~ HIST-204: Medieval Europe and the Surrounding World (*WOK: Historical or Artistic*)
- ~ HIST-205: Renaissance/Reformation: 1450-1648 (*WOK: Historical*)
- ~ HIST-210: Europe in the 20th Century (*WOK: Historical*)
- ~ HIST-212: Culture and Society in Modern Europe (*WOK: Historical*)
- ~ HIST-214: 20th Century Germany (*WOK: Historical*)
- ~ HIST-218: French Revolution (*WOK: Historical and Writing Intensive*)
- ~ HIST-219: France and the Modern World (*WOK: Historical and Writing Intensive*)
- ~ HIST-220: Rise and Fall of the Soviet Union (*WOK: Historical*)
- ~ HIST-224: History of Great Britain/Tudors – Present (*WOK: Historical*)
- ~ HIST-226: Europe in the Age of World War (*WOK: Historical*)
- ~ HIST-228: Women in Modern European Society (*WOK: Historical*)
- ~ HIST-231: History of American Foreign Relations (*WOK: Historical*)
- ~ HIST-233: America and the Two World Wars (*WOK: Historical*)
- ~ HIST-236: Progressive America/1900-1940 (*WOK: Historical*)
- ~ HIST-245: The 1960s and its Legacies (*WOK: Historical*)
- ~ HIST-246: History of Vietnam (*WOK: Historical*)
- ~ HIST-247: African Americans During the Age of Slavery (*WOK: Historical*)
- ~ HIST-248: African Americans Since Emancipation (*WOK: Historical*)
- ~ HIST-250: The Pennsylvania Experience (*WOK: Historical*)
- ~ HIST-270: History of Chestnut Hill (*WOK: Historical*)
- ~ HIST-275: Film and History (*WOK: Historical or Artistic*)
- ~ HIST-281: Special Topics in History/Topics vary by semester (*Repeatable for credit*) (*WOK: Historical*)
- ~ HIST-322: Genocide in the Modern World (*WOK: Historical and Writing Intensive*)
- ~ HIST-330: Revolution/War/Peace: Women’s Activism in the Modern World (*WOK: Historical and Writing Intensive*)
- ~ HIST-332: Cities and Suburbs (*WOK: Historical*)
- ~ HIST-334: The American Presidency (*WOK: Historical*)
- ~ HIST-343: The Civil War and American Life (*WOK: Historical*)
- ~ HIST-490: Independent Study in History (*Repeatable for credit*)

Major in History – 39 credits

Required in the Major:

- ~ HIST-101: Western Civilization: Antiquity-Renaissance (*WOK: Historical*)
- ~ HIST-102: Western Civilization: Protestant Reformation – Present
- ~ HIST-397: Junior Research Methods Seminar
- ~ HIST-497: History and Historiography
- ~ HIST-498: Senior Seminar in History
- ~ Two courses (6 credits) in American History chosen from the following, which may not be offered every semester:
 - ~ HIST-141: American Survey: Colonial - Civil War
 - ~ HIST-142: American Survey: Reconstruction – Present
 - ~ HIST-231: History of American Foreign Relations
 - ~ HIST-233: America and the Two World Wars
 - ~ HIST-236: Progressive America/1900-1940
 - ~ HIST-245: The 1960s and its Legacies
 - ~ HIST-247: African Americans During the Age of Slavery
 - ~ HIST-248: African Americans Since Emancipation
 - ~ HIST-250: The Pennsylvania Experience
 - ~ HIST-270: History of Chestnut Hill
 - ~ HIST-281: Special Topics in History/Topics vary by semester (*Repeatable for credit*)
 - ~ HIST-332: Cities and Suburbs
 - ~ HIST-334: The American Presidency
 - ~ HIST-343: The Civil War and American Life
 - ~ HIST-481: Special Topics in History/Topics vary by semester (*Repeatable for credit*)
- ~ Two courses (6 credits) in European History chosen from the following, which may not be offered every semester:
 - ~ HIST-201: Ancient Greece
 - ~ HIST-202: Ancient Rome
 - ~ HIST-204: Medieval Europe and the Surrounding World
 - ~ HIST-205: Renaissance/Reformation: 1450-1648
 - ~ HIST-210: Europe in the 20th Century
 - ~ HIST-212: Culture and Society in Modern Europe
 - ~ HIST-214: 20th Century Germany
 - ~ HIST-218: French Revolution (*Writing Intensive*)

- ~ HIST-219: France and the Modern World (*Writing Intensive*)
- ~ HIST-220: Rise and Fall of the Soviet Union
- ~ HIST-224: History of Great Britain/Tudors – Present
- ~ HIST-226: Europe in the Age of World War
- ~ HIST-228: Women in Modern European Society
- ~ HIST-281: Special Topics in History/Topics vary by semester (*Repeatable for credit*)
- ~ One course (3 credits) in World History chosen from the following, which may not be offered every semester:
 - ~ HIST-104: Topics in Global History
 - ~ HIST-106: Survey of Women’s History
 - ~ HIST-110: History of East Asia
 - ~ HIST-200: Ancient Near-Eastern and Mediterranean World
 - ~ HIST-246: History of Vietnam
 - ~ HIST-275: Film and History
 - ~ HIST-281: Special Topics in History/Topics vary by semester (*Repeatable for credit*)
 - ~ HIST-322: Genocide in the Modern World (*Writing Intensive*)
 - ~ HIST-330: Revolution/War/Peace: Women’s Activism in the Modern World (*Writing Intensive*)
- ~ Three courses (9 credits) in any History area chosen in consultation with an academic advisor.

Sample Bachelor of Arts: History Major /selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student’s individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student’s responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15/16*	Year Three Fall – 16	Year Four Fall – 15
ENGL-101 HIST-101 RLST-104 Language-103 WOK or elective FYIN-100*	American History #1 European History #1 GLST-201 RLST -2XX HIST elective FYIN-101*	ETHS-201 European History #2 HIST elective Minor #2 or elective WOK or elective WOK or elective (1 cr)	HIST-497 Minor #5 or elective Minor #6 or elective WOK or elective WOK or elective
Year One Spring – 13/14*	Year Two Spring – 15/16*	Year Three Spring – 16	Year Four Spring – 15
HIST-102 ILAR-101 WOK or elective WOK or elective WOK or elective (1 cr) PHED #1* Swim Test*	American History #2 World History HIST Elective (WI) WOK or elective Minor #1 or elective PHED #2*	HIST-397 PSPK-101 (1 cr) Minor #3 or elective Minor #4 or elective WOK or elective WOK or elective	HIST-498 WOK or elective WOK or elective WOK or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in History - 18 credits

A minor in History is developed in consultation with a member of the History faculty. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for a minor.

Requirements:

- ~ HIST-101: Western Civilization: Antiquity-Renaissance (*WOK: Historical*)
- ~ HIST-102: Western Civilization: Protestant Reformation – Present (*WOK: Historical*)
- ~ Four courses (12 credits) in History chosen from the listing above of courses available to any student with the addition of *HIST-403: Fieldwork in History*.

Women’s Studies

Minor in Women’s Studies – 18 credits

Chestnut Hill College offers a number of courses that focus on women in a variety of disciplines including Art History, English, Foreign Language, History, Music, Psychology, Religious Studies and Sociology. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Contact Lorraine Coons, Room 377, Fournier Hall, or Nancy Porter, Room 14, St. Joseph Hall for assistance with this minor. *Requirements:*

- ~ Six courses (18 credits) chosen in conjunction with an academic advisor from the following, which may not be offered every semester and may have Pre-Requisites:
 - ~ ARTH-201: Historical Survey of Women Artists (*WOK: Artistic*)
 - ~ CRJU-210/SOCI-210: Gender and the Law (*WOK: Behavioral*)
 - ~ GLST-201: Global Awareness Seminar *
 - ~ HIST-106: Survey of Women's History (*WOK: Historical*)
 - ~ HIST-228: Women in Modern European Society (*WOK: Historical*)
 - ~ HIST-330: Revolution/War/Peace: Women's Activism in the Modern World (*WOK: Historical and Writing Intensive*)
 - ~ ILAR-101: Introduction to the Liberal Arts *
 - ~ ENGL-241: Gender and Literature (*WOK: Literary and Writing Intensive*)
 - ~ PSYC-109: Psychology of Women (*WOK: Behavioral*)
 - ~ RLST-211: Women in the Bible
 - ~ RLST-222: Marriage and Family
 - ~ RLST-241: Models/Mentors in Christian Traditions
 - ~ RLST-242: Women in Society and Religion
 - ~ SPAN-362: Hispanic Women Writers (*WOK: Literary*)
 - ~ SOCI-126: Gender and Society (*WOK: Behavioral*)
 - ~ SOCI-201: Social Inequality (*WOK: Behavioral*)

* May be acceptable for the minor depending on the topic. Permission of the minor advisor is required for this course to count for the minor

Political Science

Chestnut Hill College offers a Bachelor of Arts (BA) in Political Science as well as a minor in Political Science. Interested students should contact Jacqueline Reich, Room 375 Fournier Hall. Telephone: 215/753-3630. Email: reichj@chc.edu.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor.

Advanced Placement

POLITICAL SCIENCE/GOVERNMENT: For a grade of 4 or 5 on the American Government the student will be awarded 3 credits equivalent to *PSCI 113: American Political Process*, which fulfills the Behavioral *Ways of Knowing*. For a grade of 4 or 5 on the American Government the student will be awarded 3 credits equivalent to *PSCI-230: Introduction to Comparative Politics*, which also fulfills the Behavioral *Ways of Knowing*. A student who has earned a score of 3 on the American Government test and/or the Comparative Government test will be awarded 3 elective credits for each. Electives do not fulfill *Ways of Knowing* or major requirements.

Honors

Outstanding students may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. All students who have successfully completed the Honors Program will be recognized with Honors in their major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

Associations

Any student, irrespective of major, who is interested in politics, national affairs and global controversies is invited to join the Students' Political Science Association (SPSA). This very active campus organization sponsors movies, fieldtrips to places like the Daily Show in New York City and the Constitution Center here in Philadelphia, speakers in current events such as nuclear proliferation and women's development in Afghanistan, and the campus mock Presidential election.

Course Options

A variety of Political Science courses are open to students in any major wishing to fulfill a Behavioral *Ways of Knowing* or pursue interests without committing to a minor. Please check the course descriptions for any Pre-Requisites:

- ~ PSCI-101: Introduction to Political Science (*WOK: Behavioral*)
- ~ PSCI-112: State and Local Government (*WOK: Behavioral*)
- ~ PSCI-113: American Political Process (*WOK: Behavioral*)
- ~ PSCI-114: American Political Parties (*WOK: Behavioral*)
- ~ PSCI-117: Business Law (*WOK: Behavioral*)
- ~ PSCI-118: Mass Media and Politics (*WOK: Behavioral*)
- ~ PSCI-130: The Rule of Law (*WOK: Behavioral*)
- ~ PSCI-140: Introduction to World Politics (*WOK: Behavioral*)
- ~ PSCI-214: Constitutional Law: Civil Liberties (*WOK: Behavioral*)
- ~ PSCI-230: Introduction to Comparative Politics/ Governmental Systems (*WOK: Behavioral*)
- ~ PSCI-231: Introduction to Comparative Politics/ Cross-National Themes (*WOK: Behavioral*)
- ~ PSCI-232: Comparative Democracy (*WOK: Behavioral*)
- ~ PSCI-240: Theories of International Relations (*WOK: Behavioral*)
- ~ PSCI-241: American Foreign Policy (*WOK: Behavioral*)
- ~ PSCI-242: International Organization (*WOK: Behavioral*)
- ~ PSCI-281: Special Topics in Political Science/ Topics vary by semester (*Repeatable for credit*)
- ~ PSCI-330: Government and Politics of the Middle East (*WOK: Behavioral*) (*Writing Intensive*)
- ~ PSCI-490: Independent Study in Political Science (*Repeatable for credit*)

Major in Political Science – 36 credits

Required in the Major:

- ~ PSCI-101: Introduction to Political Science (*WOK: Behavioral*)

- ~ PSCI-330: Government and Politics of the Middle East (*Writing Intensive*)
- ~ PSCI-498: Senior Seminar in Political Science
- ~ At least one course in each of the following areas (12 credits total), which may not be offered every semester:
 - ~ *American Politics* (one course, 3 credits):
 - ~ PSCI-112: State and Local Government
 - ~ PSCI-113: American Political Process
 - ~ PSCI-114: American Political Parties
 - ~ PSCI-117: Principles of Business Law
 - ~ PSCI-118: Mass Media and Politics
 - ~ PSCI-214: Constitutional Law: Civil Liberties
 - ~ *Political Theory* (one course, 3 credits):
 - ~ PSCI-321: Political Theories: Ancient and Medieval
 - ~ PSCI-322: Political Theories: 17th To 20th Century
 - ~ *Comparative Politics* (one course, 3 credits):
 - ~ PSCI-130: The Rule of Law
 - ~ PSCI-230: Introduction to Comparative Politics/Governmental Systems
 - ~ PSCI-231: Introduction to Comparative Politics/Cross-National Themes
 - ~ PSCI-232: Comparative Democracy
 - ~ *International Relations* (one course, 3 credits):
 - ~ PSCI-140: Introduction to World Politics
 - ~ PSCI-240: Theories of International Relations
 - ~ PSCI-241: American Foreign Policy
 - ~ PSCI-242: International Organization
 - ~ PSCI-341: International Political Economy
- ~ Five additional courses (15 credits) in Political Science courses at the election of the student, chosen from the areas above, once the minimum requirement of one course (3 credits) has been met, or from the following, which may not be offered every semester:
 - ~ PSCI-281: Special Topics in Political Science/Topics vary by semester (*Repeatable for credit*)
 - ~ PSCI-481: Advanced Special Topics in Political Science/Topics vary by semester (*Repeatable for credit*)

Sample Bachelor of Arts: Political Science Major/selected minor (declaration of minor not required for graduation):

Please note that this is a suggested academic plan only; it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 16/17*	Year Three Fall – 15	Year Four Fall – 16
ENGL-101 PSCI-101 RLST-104 Language-103 WOK or elective FYIN-100*	GLST-201 PSCI-Comp Politics RLST-2XX WOK or elective (4 cr) WOK or elective FYIN-101*	PSCI-Intern'l Rel PSCI-330 (WI) Minor #2 or elective Minor #3 or elective WOK or elective	PSCI elective PSCI elective PSPK-101 (1 cr) Minor #6 or elective WOK or elective WOK or elective
Year One Spring – 13/14*	Year Two Spring – 15/16*	Year Three Spring – 15	Year Four Spring – 15
ILAR-101 PSCI-Am Politics WOK or elective (1 cr) WOK or elective WOK or elective PHED #1* Swim Test*	PSCI-Pol Theory PSCI elective Minor #1 or elective WOK or elective WOK or elective PHED #2*	ETHS-201 PSCI elective PSCI elective Minor #4 or elective Minor #5 or elective	PSCI-498 WOK or elective WOK or elective WOK or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Political Science - 18 credits

Requirements:

- ~ One 200-level or higher course (3 credits) chosen from the following, which may not be offered every semester:
 - ~ PSCI-214: Constitutional Law: Civil Liberties (*WOK: Behavioral*)
 - ~ PSCI-230: Introduction to Comparative Politics/Governmental Systems (*WOK: Behavioral*)
 - ~ PSCI-231: Introduction to Comparative Politics/Cross-National Themes (*WOK: Behavioral*)
 - ~ PSCI-232: Comparative Democracy (*WOK: Behavioral*)
 - ~ PSCI-240: Theories of International Relations (*WOK: Behavioral*)
 - ~ PSCI-241: American Foreign Policy (*WOK: Behavioral*)
 - ~ PSCI-242: International Organization (*WOK: Behavioral*)

- ~ PSCI-321: Political Theories: Ancient and Medieval (*WOK: Behavioral*)
- ~ PSCI-322: Political Theories: 17th To 20th Century (*WOK: Behavioral*)
- ~ PSCI-330: Government and Politics of the Middle East (*WOK: Behavioral*) (*Writing Intensive*)
- ~ PSCI-341: International Political Economy (*WOK: Behavioral*)
- ~ One additional course (9 credits total) from each of the following areas, which may not be offered every semester:
 - ~ *American Politics:*
 - ~ PSCI-112: State and Local Government (*WOK: Behavioral*)
 - ~ PSCI-113: American Political Process (*WOK: Behavioral*)
 - ~ PSCI-114: American Political Parties (*WOK: Behavioral*)
 - ~ PSCI-117: Principles of Business Law (*WOK: Behavioral*)
 - ~ PSCI-118: Mass Media and Politics (*WOK: Behavioral*)
 - ~ PSCI-214: Constitutional Law: Civil Liberties (*WOK: Behavioral*)
 - ~ *Comparative Politics:*
 - ~ PSCI-130: The Rule of Law (*WOK: Behavioral*)
 - ~ PSCI-230: Introduction to Comparative Politics/Government Systems (*WOK: Behavioral*)
 - ~ PSCI-231: Introduction to Comparative Politics/Cross-National Themes (*WOK: Behavioral*)
 - ~ PSCI-232: Comparative Democracy (*WOK: Behavioral*)
 - ~ PSCI-330: Government and Politics of the Middle East (*WOK: Behavioral*) (*Writing Intensive*)
 - ~ *International Relations:*
 - ~ PSCI-140: Introduction to World Politics (*WOK: Behavioral*)
 - ~ PSCI-240: Theories of International Relations (*WOK: Behavioral*)
 - ~ PSCI-241: American Foreign Policy (*WOK: Behavioral*)
 - ~ PSCI-242: International Organization (*WOK: Behavioral*)
 - ~ PSCI-341: International Political Economy (*WOK: Behavioral*)
- ~ Two additional courses (6 credits) in Political Science chosen with an academic advisor.

NATURAL SCIENCES

JOSEPH KULKOSKY, PhD, ASSOCIATE PROFESSOR OF BIOLOGY
~ CHAIR OF THE NATURAL SCIENCES DIVISION
KELLY BUTLER, PhD, ASSOCIATE PROFESSOR OF CHEMISTRY
~ VICE-CHAIR OF THE NATURAL SCIENCES DIVISION

BIOLOGY, FORENSIC BIOLOGY, MOLECULAR BIOLOGY, and ENVIRONMENTAL SCIENCES

JOSEPH KULKOSKY, PhD, ASSOCIATE PROFESSOR OF BIOLOGY
~ CHAIR OF THE BIOLOGY DEPARTMENT
LAKSHMI ATCHISON, PhD, PROFESSOR OF BIOLOGY
LISA DOMICO, PhD, ASSISTANT PROFESSOR OF BIOLOGY
BARBARA GIULIANO, EDD, ADJUNCT FACULTY, BIOLOGY
ROBERT MEYER, PhD, PROFESSOR OF BIOLOGY
LISA MCKERNAN, PhD, ASSISTANT PROFESSOR OF BIOLOGY
FLORENCE EDWARD SULLIVAN SSJ, MTS, ASSISTANT PROFESSOR OF BIOLOGY

Chestnut Hill College offers a Bachelor of Science (BS) in Biology; a Bachelor of Science (BS) in Forensic Biology (new major – Fall 2011); a Bachelor of Science (BS) in Molecular Biology; and a Bachelor of Science (BS) in Environmental Sciences. In addition, the Biology Department offers minors in Biology, Molecular Biology, and Environmental Sciences. Interested students should contact Joseph Kulkosky, Room 522, St. Joseph Hall. Telephone: 215.248-7157. Email: kulkoskyj@chc.edu.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor.

Departmental Mission

The Biology Department supports the liberal arts tradition of Chestnut Hill College by providing fundamental knowledge in all areas of Biology. The Biology major provides students with a sound and comprehensive understanding of information and issues in several sub-disciplines of the biological and biomedical sciences as well as a strong foundation in Chemistry, Mathematics, and Physics. The curriculum develops communication skills, problem solving abilities, analytical reasoning and critical thinking. The goal is to meet the specific needs of individual students and to prepare them to be competitive when moving on to post-graduate education, other professional specialization or careers in the life sciences.

All students receive a core of courses that provides a common broad base of sound scientific knowledge to provide students with a well-rounded, solid education. Elective courses then complete the curriculum to further develop the student's expertise in a sub-discipline of Biology. Students exposed to such a multidisciplinary program should be better prepared to think in more global terms in their approach to the diversity of problems in the life sciences.

The curriculum leading to a major in Biology is designed to help the student understand the unifying concepts of the nature of life and to develop the laboratory skills needed for the study of organisms and the pursuit of sound scientific methodology. The major in Molecular Biology places a strong emphasis on the study of life processes at the molecular and biochemical level. The major in Environmental Sciences provides an in-depth foundation in environmental concepts as well as an appreciation of the interdisciplinary nature of the field.

Seminar Series

The Biology Department sponsors two annual seminar series events:

- ~ The Biomedical Seminar Series, initiated in 1994, sponsors prominent speakers in the biomedical field and in basic research.
- ~ The Environmental Sciences Seminar Series, started in 2000, provides opportunity to learn about the unique activities in environmental research, issues and policies.

These seminars provide a forum for learning about recent advances in basic research, biomedicine and environmental science and expose students and faculty to prominent scientific and medical professionals. The meetings foster

collaboration, interaction and career contacts for students pursuing careers in basic research, health, medicine, as well as environmental issues and policy.

Post-Graduate Study

Most medical schools require the MCAT exam. Non-science majors are advised to consider taking another year of Biology to be well prepared for the MCAT. Most veterinary schools require the GRE general exam, as well as one semester each of Biochemistry and Microbiology. Most graduate schools in Biological/Biomedical areas require the GRE general exam. Some require the writing test and/or one of two subject tests (Biochemistry, Cell and Molecular Biology, or Biology). Graduate programs of all three types can vary in their requirements. Students should consult the catalogs of the schools of their choice early in their undergraduate years in order to plan an appropriate course of study.

For students interested in post-graduate study please note that most graduate programs of the types listed require:

- ~ Two semesters of Biology
- ~ Two semesters of General Chemistry
- ~ Two semesters of Organic Chemistry
- ~ Two semesters of Physics
- ~ Two semesters of English Composition

Articulation Agreements

Students interested in any of the following programs should contact Lisa McKernan, Room 521, St. Joseph Hall. Telephone: 215.248-7106. Email: mckernanl@chc.edu

Physician's Assistant Program

Chestnut Hill College and Arcadia University have entered into an articulation agreement concerning the early consideration for acceptance of Chestnut Hill College graduates into the Physician's Assistant Program at Arcadia University with early consideration for financial aid. Certain requirements must be met by the Chestnut Hill College graduate including but not limited to: certain course requirements; GPA of 3.30 in Pre-Requisite courses; a GRE combined total score on verbal and quantitative area of 1100 and a 4.0 or higher on the analytical portion; and 500 hours of patient care and/or research experience. Please note that the course requirements of this articulation agreement will be met by students majoring in Biology or Molecular Biology.

Bioscience Technologies (Biotechnology, Cytotechnology, Medical Technology) Program

Students can earn both a Bachelor of Science in Biology and a Master of Science in Biotechnology, Cytotechnology, or Medical Laboratory Science degrees as part of this cooperative agreement between Chestnut Hill College and Jefferson School of Health Professions of Thomas Jefferson University (TJU). Students will spend the first three years at Chestnut Hill College and then proceed to TJU for the final two years of coursework. A Bachelor of Science in Biology with a concentration in Healthcare/Biomedical Sciences will be awarded by the College after successful completion of the first year at TJU. A Master of Science in one of the Bioscience Technologies disciplines will be awarded by Thomas Jefferson University after successful completion of the second year at TJU.

Radiologic Sciences Program

Students can earn both a Bachelor of Science in Biology and a Bachelor of Science in Radiologic Sciences as part of this cooperative agreement between Chestnut Hill College and Jefferson School of Health Professions of Thomas Jefferson University (TJU). Students will spend the first three years at Chestnut Hill College and then proceed to TJU for the final two years of coursework. A Bachelor of Science in Biology with a concentration in Healthcare/Biomedical Sciences will be awarded by the College after successful completion of the first year at TJU. A Bachelor of Science in Radiologic Sciences will be awarded by Thomas Jefferson University after successful completion of the second year at TJU.

Awards and Scholarships

The Biology Department offers major 50% reimbursement for expenses relating to courses taken in advance of, and in preparation for, standardized professional school entry exams if the student has a GPA of 3.40 at the time of course enrollment. These preparatory courses methodically prepare students for the Medical College Admissions Test (MCAT), the Graduate Record Exam (GRE) and the Dental School Admissions Test (DAT), but the award is not necessarily limited to these specific testing areas. For information, please contact Joseph Kulkosky, Room 522, St. Joseph Hall, Telephone: 215.248-7157. Email: kulkoskyj@chc.edu.

The endowed Amelia Kulkosky Scholarship Award in the Biological Sciences at Chestnut Hill College funds an exceptional student who has dual interests in the biological sciences and music. The award is granted to an incoming First-year in the Department of Biology major's program. Only candidates declaring a major in Biology, Forensic Biology, Molecular Biology, or Environmental Sciences are eligible to apply. The candidate is to have a SAT score of 1150 or better (1600 scale) or 1725 or better (2400 scale). The candidate is expected to pursue either a Major or minor in Music, or participate in the College's Ensemble programs to the satisfaction of the scholarship committee, concurrently with a Major in the biological sciences. The award total over four years is \$2500. For information, please contact Joseph Kulkosky, Room 522, St. Joseph Hall, Telephone: 215.248-7157. Email: kulkoskyj@chc.edu.

Honors and Honor Societies

Outstanding students may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. All students who have successfully completed the Honors Program will be recognized with Honors in their major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

Sigma Zeta is a national science and mathematics honor society founded in 1925. The society is dedicated to encouraging and fostering the attainment of knowledge in Mathematics, Computer Science, and the Natural Sciences. Membership in the society recognizes and honors scholarly achievement in the major field. Criteria for eligibility for membership include a minimum of 15 credits the major field, a grade point average of 3.00 in the major field, and a 3.00 grade point average overall. Students majoring in Biology, Forensic Biology, Molecular Biology, or Environmental Sciences may be invited by the department to join Sigma Zeta.

Advanced Placement

BIOLOGY: Students that have attained a score of 3 on the Biology exam will receive 4 credits equivalent to *BIOL-111: Principles of Biology I*, which fulfills the *Scientific Ways of Knowing*. Students with a score of 4 or 5 will receive 4 credits equivalent to *BIOL-112: Principles of Biology II*, which also fulfills the *Scientific Ways of Knowing*. A maximum of 4 credits may be applied based on the qualifying Biology test score.

ENVIRONMENTAL SCIENCE: A score of 3, 4 or 5 will be considered equivalent to completion of *BIOL-106: Ecology and Environmental Issues*. 4 credits, which fulfill the *Scientific Ways of Knowing* requirement, are applied.

Secondary Education Certification Program/Secondary Education Minor

The Secondary Education Certification Program in Biology or General Science (Grades 7 -12) is available to all Biology Department majors. The Program integrates educational theory and practice with field experiences that include practicum and student teaching, as well as opportunities to develop teaching competence through innovative and effective approaches to the educational process with focus on students at the Secondary Level. Contact the Education Department for information on applying for the Secondary Education minor.

The Pennsylvania Department of Education (PDE) now requires that all Secondary Education Certification Program participants have 9 credits of Special Education coursework, and 3 credits of Teaching English as a Second Language coursework. In addition, participants will need to meet field experience competencies that will either require two separate practicum experiences, or one practicum and one extended student teaching experience. The PDE has not identified the field experience competencies as of July 1, 2011. The Education Department will determine the best options for students on an individual basis.

Students may complete student teaching after graduation but the minor will not be included on the transcript unless student teaching is successfully completed. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Following formal acceptance into the minor, students need to complete the following courses in addition to all major requirements:

Minor in Secondary Education (All Biology Programs) – 36 credits minimum

Courses are 3 credits unless indicated. *Requirements:*

- ~ EDSC-201: Adolescent Psychology and Development
- ~ EDSC-202: Educational Psychology (*WOK: Behavioral*)

- ~ EDSC-203: The Foundations of High School
- ~ EDSC-315: General Methods & Assessment
- ~ EDSC-420: Student Teaching in Secondary School (6 credits)
- ~ EDSC-421: Student Teaching Seminar/Secondary School
- ~ EDSP-312: Reading Interventions for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations
- ~ EDSP-390: ESL Foundations and Methods
- ~ BIOL-317: Special Methods in Biology

May be required; discuss options with a Faculty Advisor:

- ~ EDSP-355: Instruction in Inclusive Environment

Course Options

In addition to courses for majors, there are many Biology courses that are open to students of any major wishing to fulfill the Scientific *Ways of Knowing* or are interested in exploring personal interests without committing to a minor. The following are open to any undergraduate student meeting the Pre-Requisites— check the Course Descriptions for additional information:

- ~ BIOL-101: General Biology I (*WOK: Scientific*)
- ~ BIOL-102: General Biology II (*WOK: Scientific*)
- ~ BIOL-106: Ecology and Environmental Issues (*WOK: Scientific*)
- ~ BIOL-125: Ponds and Streams (*WOK: Scientific*)
- ~ BIOL-126: The Biology of Cancer (*WOK: Scientific*)
- ~ BIOL-145: Forests and Fields (*WOK: Scientific*)
- ~ BIOL-206: General Zoology (*WOK: Scientific*)
- ~ BIOL-210: Nutrition (*WOK: Scientific*)
- ~ BIOL-490: Independent Study in Biology (*Repeatable for credit*)

Biology

Chestnut Hill College students participate in various intercollegiate scientific seminars and often earn distinction. The Internship Program provides Biology majors with the opportunity to integrate academic learning with practical experience. Major students who meet academic qualifications are encouraged to participate in the Biology Honors program, which provides greater levels of challenge. Students can perform independent study during their Junior and Senior year under the direction of a department member, established scientist, or a physician at a graduate school or major research center.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minors.

Major in Biology – 65 credits minimum

Courses are 3 credits unless indicated.

Required in the Major:

- ~ BIOL-111: Principles of Biology I (4 credits) (*WOK: Scientific*)
- ~ BIOL-112: Principles of Biology II (4 credits)
- ~ BIOL-201: Cell Biology (4 credits)
- ~ BIOL-217: Genetics (4 credits)
- ~ BIOL-233: Ecology and Evolutionary Biology (4 credits)
- ~ BIOL-498: Senior Seminar in Biology
- ~ One Biology 200-level course chosen from the following, which may not be offered every semester:
 - ~ BIOL-203: Human Anatomy and Physiology I (4 credits)
 - ~ BIOL-206: General Zoology (4 credits)
 - ~ BIOL-210: Nutrition (4 credits)
 - ~ BIOL-281: Special Topics in Biology/Topics vary by semester (*Repeatable for credit*)
- ~ Two Biology 300-level courses chosen from the following, which may not be offered every semester:
 - ~ BIOL-300: Experimental Methods and Design (4 credits) (*Writing Intensive*)
 - ~ BIOL-303: Human Anatomy and Physiology II (4 credits)

- ~ BIOL-312: Watersheds and Freshwater Ecology (4 credits)
- ~ BIOL-322: Terrestrial Ecology (4 credits)
- ~ BIOL-324: Microbiology (4 credits)
- ~ BIOL-325: Marine Biology (4 credits)
- ~ BIOL-333: Evolution
- ~ BIOL-351: Molecular Biology
- ~ BIOL-360: Biotechnology
- ~ Two Biology 400-level courses chosen from the following, which may not be offered every semester:
 - ~ BIOL-401: Internship in Biology (*Repeatable for credit*)
 - ~ BIOL-405: Environmental Study Tour (4 credits)
 - ~ BIOL-410: Immunology (4 credits)
 - ~ BIOL-411: Developmental Biology (4 credits)
 - ~ BIOL-412: Endocrinology
 - ~ BIOL-413: Conservation and Restoration Biology
 - ~ BIOL-481: Advanced Special Topics in Biology / Topics vary by semester (*Repeatable for credit*)

Also required:

- ~ CHEM-131: Principles of Chemistry I (4 credits) (WOK: Scientific)
- ~ CHEM-132: Principles of Chemistry II (4 credits)
- ~ PHYS-121: Principles of Physics I (4 credits)
- ~ Choice of:
 - ~ CHEM-215: Organic Chemistry I (4 credits)
 - OR
 - ~ CHEM-202 Introduction to Organic Chemistry
- ~ Choice of:
 - ~ MATH-201: Mathematics for Management and the Social Sciences I (*WOK: Problem Solving*)
 - OR
 - ~ MATH-203: Analytic Geometry and Calculus I (*WOK: Problem Solving*)
 - OR
 - ~ MATH-211: Calculus and Modern Analysis I (*WOK: Problem Solving*)
- ~ Choice of:
 - ~ MATH-262: Probability and Statistics
 - OR
 - ~ MATH-227: Introduction to Probability and Statistics
 - OR
 - ~ PSYC-216: Quantitative Methods in Psychology
- ~ Choice of at least one course from two or more* of the following areas:
 - ~ *Chemistry*
 - ~ CHEM-216: Organic Chemistry II (4 credits)
 - ~ CHEM-250: Introduction to Biochemistry
 - ~ *Math*
 - ~ MATH-202: Mathematics for Management and the Social Sciences II
 - ~ MATH-204: Analytic Geometry and Calculus II
 - ~ MATH-212: Calculus and Modern Analysis II
 - ~ *Physics*
 - ~ PHYS-122: Principles of Physics II (4 credits)

* A course from each of the areas (CHEM, MATH, PHYS) is highly recommended.

Sample Bachelor of Science: Biology Major / selected minor (declaration of minor not required for graduation):

Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 14/15*	Year Two Fall – 15	Year Three Fall – 16	Year Four Fall – 16/17*
BIOL-111 (4 cr) CHEM-131 (4 cr) ENGL-101 Language-103 FYIN-100*	BIOL-201 (4 cr) CHEM-215 or 202 (4 cr) GLST-201 MATH-203 or alternative PSPK-101 (1 cr)	BIOL-3XX elective ETHS-201 PHYS-121 (4 cr) Minor #1 (WOK) or elective WOK or elective	BIOL-300 (4 cr) or WI BIOL-4XX elective RLST-2XX Minor #3 or elective WOK or elective FYIN-101*
Year One Spring – 14/15*	Year Two Spring – 13/14*	Year Three Spring – 17	Year Four Spring – 15
BIOL-112 (4 cr)	BIOL-217 (4 cr)	BIOL-233 (4 cr)	BIOL-498

CHEM-132 (4 cr) ILAR-101 RLST-104 PHED #1* Swim Test*	CHEM/MATH/PHYS area MATH-262 or alternative BIOL-2XX elective PHED #2*	BIOL-3XX elective CHEM/MATH/PHYS area (4 cr) Minor #2 WOK or elective	BIOL-4XX elective Minor #4 or elective Minor #5 or elective Minor #6 or elective
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*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Biology – 18 credits minimum

The minor in Biology is designed for students interested in Biology in general or in preparation for health/medical areas. Because some courses have Pre-Requisites and some are not given every year, a student interested in this minor must be advised by the Biology Department. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. **Note:** Molecular Biology and Environmental Sciences majors may not obtain a minor in Biology. *Requirements:*

- ~ Six Biology courses, including at least two above the 100-level.

Forensic Biology

Major in Forensic Biology – 73 credits minimum

New major Fall 2011. Courses are 3 credits unless indicated.

Required in the Major:

- ~ BIOL-111: Principles of Biology I (4 credits) (*WOK: Scientific*)
- ~ BIOL-112: Principles of Biology II (4 credits) (*WOK: Scientific*)
- ~ BIOL-201: Cell Biology (4 credits)
- ~ BIOL-203: Human Anatomy and Physiology I (4 credits)
- ~ BIOL-217: Genetics (4 credits)
- ~ BIOL-300: Experimental Methods and Design (4 credits) (*Writing Intensive*)
- ~ BIOL-303: Human Anatomy and Physiology II (4 credits)
- ~ Choice of:
 - ~ BIOL-324: Microbiology (4 credits)
 - OR
 - ~ BIOL-410: Immunology (4 credits)
- ~ Choice of:
 - ~ BIOL-351: Molecular Biology
 - OR
 - ~ BIOL-360: Biotechnology (*approval pending*)
- ~ BIOL-430: Forensic Pathology
- ~ BIOL-498: Senior Seminar in Biology

Also required:

- ~ CHEM-106: Introduction to Forensic Science (4 credits) (*WOK: Scientific*)
- ~ CHEM-131: Principles of Chemistry I (4 credits)
- ~ CHEM-132: Principles of Chemistry II (4 credits)
- ~ CHEM-215: Organic Chemistry I (4 credits)
- ~ CHEM-322: Toxicology
- ~ CRJU-122: Introduction to Criminal Justice (*WOK: Behavioral*)
- ~ MATH-202: Mathematics for Management and the Social Sciences II (*WOK: Problem Solving*)
- ~ PHYS-121: Principles of Physics I (4 credits)
- ~ Choice of:
 - ~ MATH-227: Introduction to Probability and Statistics
 - OR
 - ~ MATH-262: Probability and Statistics
 - OR
 - ~ PSYC-216: Quantitative Methods in Psychology

Recommended but not required:

- ~ PHYS-122: Principles of Physics II (4 credits)

Sample Bachelor of Science: Forensic Biology Major /selected minor (declaration of minor not required for graduation):

Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 14/15*	Year Two Fall – 15/16*	Year Three Fall – 16	Year Four Fall – 16
BIOL-111 (4 cr) CHEM-131 (4 cr) ENGL-101 Language-103 FYIN-100*	BIOL-201 (4 cr) CHEM-106 (4 cr) CHEM-215 (4 cr) MATH-202 FYIN-101*	BIOL-300 (WI) PHYS-121 (4 cr) Minor #1 Minor #2 WOK or elective	BIOL-324 or 410 (4 cr) BIOL-430 RLST-2XX Minor #3 Minor #4
Year One Spring – 14/15*	Year Two Spring – 15/16*	Year Three Spring – 16	Year Four Spring – 15
BIOL-112 (4 cr) CHEM-132 (4 cr) ILAR-101 RLST-104 PHED #1* Swim Test*	BIOL-203 (4 cr) BIOL-217 (4 cr) CRJU-122 GLST-201 PSPK-101 (1 cr) PHED #2*	BIOL-303 (4 cr) BIOL-351 or 360 CHEM-322 ETHS-201 MATH-227 or 262 or PSYC-216	BIOL-498 Minor #5 Minor #6 WOK or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 121

Molecular Biology

Major in Molecular Biology – 65 credits minimum

Courses are 3 credits unless indicated.

Required in the Major:

- ~ BIOL-111: Principles of Biology I (4 credits) (*WOK: Scientific*)
- ~ BIOL-112: Principles of Biology II (4 credits)
- ~ BIOL-201: Cell Biology (4 credits)
- ~ BIOL-217: Genetics (4 credits)
- ~ BIOL-351: Molecular Biology
- ~ BIOL-360: Biotechnology (*approval pending*)
- ~ Choice of:
 - ~ BIOL-410: Immunology (4 credits)
 - OR
 - ~ BIOL-411: Developmental Biology (4 credits)
- ~ BIOL-498: Senior Seminar in Biology
- ~ One Biology 200-level course chosen from the following, which may not be offered every semester:
 - ~ BIOL-203: Human Anatomy and Physiology I (4 credits)
 - ~ BIOL-206: General Zoology (4 credits)
 - ~ BIOL-210: Nutrition (4 credits)
 - ~ BIOL-233: Ecology and Evolutionary Biology
 - ~ BIOL-281: Special Topics in Biology/Topics vary by semester (*Repeatable for credit*)
- ~ One Biology 300-level course chosen from the following, which may not be offered every semester:
 - ~ BIOL-300: Experimental Methods and Design (4 credits) (*Writing Intensive*)
 - ~ BIOL-303: Human Anatomy and Physiology II (4 credits)
 - ~ BIOL-312: Watersheds and Freshwater Ecology (4 credits)
 - ~ BIOL-322: Terrestrial Ecology (4 credits)
 - ~ BIOL-324: Microbiology (4 credits)
 - ~ BIOL-325: Marine Biology (4 credits)
 - ~ BIOL-333: Evolution
- ~ One Biology 400-level course chosen from the following, which may not be offered every semester:
 - ~ BIOL-401: Internship in Biology (*Repeatable for credit*)
 - ~ BIOL-405: Environmental Study Tour (4 credits)
 - ~ BIOL-410: Immunology (4 credits)
 - ~ BIOL-411: Developmental Biology (4 credits)
 - ~ BIOL-412: Endocrinology
 - ~ BIOL-413: Conservation and Restoration Biology
 - ~ BIOL-481: Advanced Special Topics in Biology/Topics vary by semester (*Repeatable for credit*)

Also required:

- ~ CHEM-131: Principles of Chemistry I (4 credits) (*WOK: Scientific*)
- ~ CHEM-132: Principles of Chemistry II (4 credits)
- ~ PHYS-121: Principles of Physics I (4 credits)
- ~ Choice of:
 - ~ CHEM-215: Organic Chemistry I (4 credits)
 - OR
 - ~ CHEM-202: Introduction to Organic Chemistry
- ~ Choice of:

- ~ MATH-201: Mathematics for Management and the Social Sciences I (*WOK: Problem Solving*)
OR
- ~ MATH-203: Analytic Geometry and Calculus I (*WOK: Problem Solving*)
OR
- ~ MATH-211: Calculus and Modern Analysis I (*WOK: Problem Solving*)
- ~ Choice of:
 - ~ MATH-227: Introduction to Probability and Statistics
OR
 - ~ MATH-262: Probability and Statistics
OR
 - ~ PSYC-216: Quantitative Methods in Psychology
- ~ Choice of *:
 - ~ MATH-202: Mathematics for Management and the Social Sciences II
OR
 - ~ MATH-204: Analytic Geometry and Calculus II
OR
 - ~ MATH-212: Calculus and Modern Analysis II
OR
 - ~ PHYS-122: Principles of Physics II (4 credits)

* A course from each of the areas (MATH and PHYS) is highly recommended

Sample Bachelor of Science: Molecular Biology Major/selected minor (declaration of minor not required for graduation):

Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 14/15*	Year Two Fall – 16/17*	Year Three Fall – 16	Year Four Fall – 16
BIOL-111 (4 cr) CHEM-131 (4 cr) ENGL-101 Language-103 FYIN-100*	BIOL-201 (4 cr) CHEM-215 or 202 ETHS-201 GLST-201 MATH-201, 203 or 211 FYIN-101*	BIOL-3XX elective PHYS-121 (4 cr) Minor #1 Minor #2 WOK or elective	BIOL-410 or 411 (4 cr) RLST-2XX Minor #3 Minor #4 WOK or elective (WI)
Year One Spring – 14/15*	Year Two Spring – 14	Year Three Spring – 15	Year Four Spring – 15
BIOL-112 (4 cr) CHEM-132 (4 cr) ILAR-101 RLST-104 PHED #1* Swim Test*	BIOL-217 (4 cr) BIOL-2XX elective PSPK-101 (1 cr) WOK or elective WOK or elective PHED #2*	BIOL-351 BIOL-360 MATH-227 or 262 or PSYC-216 MATH/PHYS area WOK or elective	BIOL-498 BIOL-4XX elective Minor #5 Minor #6 WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Molecular Biology – 22 credits minimum

This minor is designed for Science, Mathematics or Computer Science majors who have an interest in Molecular Biology and Bioinformatics. Biology majors may minor in Molecular Biology only if at least two of the courses for the minor do not count towards their requirements for the major. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Courses are 3 credits unless indicated.

Requirements:

- ~ BIOL-111: Principles of Biology I (4 credits) (*WOK: Scientific*)
- ~ BIOL-112: Principles of Biology II (4 credits) (*WOK: Scientific*)
- ~ BIOL-201: Cell Biology (4 credits)
- ~ BIOL-217: Genetics (4 credits)
- ~ BIOL-233: Ecology and Evolutionary Biology
- ~ BIOL-351: Molecular Biology

Environmental Science

Major in Environmental Science – 72 credits minimum

Courses are 3 credits unless indicated.

Required in the Major:

- ~ BIOL-111: Principles of Biology I (4 credits) (*WOK: Scientific*)
- ~ BIOL-112: Principles of Biology II (4 credits)
- ~ BIOL-201: Cell Biology (4 credits)
- ~ BIOL-206: General Zoology (4 credits)
- ~ BIOL-217: Genetics (4 credits)
- ~ BIOL-233: Ecology and Evolutionary Biology (4 credits)
- ~ BIOL-312: Watersheds and Freshwater Ecology (4 credits)
- ~ BIOL-322: Terrestrial Ecology (4 credits)
- ~ BIOL-498: Senior Seminar in Biology
- ~ Choice of:
 - ~ BIOL-325: Marine Biology (4 credits)
 - OR
 - ~ BIOL-333: Evolution
- ~ One Biology 300-level course chosen from the following, which may not be offered every semester:
 - ~ BIOL-300: Experimental Methods and Design (4 credits) (*Writing Intensive*)
 - ~ BIOL-317: Special Methods in Biology
 - ~ BIOL-318: Human Anatomy and Physiology II (4 credits)
 - ~ BIOL-324: Microbiology (4 credits)
 - ~ BIOL-325: Marine Biology (4 credits)
 - ~ BIOL-333: Evolution
 - ~ BIOL-351: Molecular Biology
- ~ One Biology 400-level courses chosen from the following, which may not be offered every semester:
 - ~ BIOL-401: Internship in Biology (*Repeatable for credit*)
 - ~ BIOL-405: Environmental Study Tour (4 credits)
 - ~ BIOL-410: Immunology (4 credits)
 - ~ BIOL-412: Endocrinology
 - ~ BIOL-413: Conservation and Restoration Biology
 - ~ BIOL-481: Advanced Special Topics in Biology /Topics vary by semester (*Repeatable for credit*)

Also required:

- ~ CHEM-131: Principles of Chemistry I (4 credits) (*WOK: Scientific*)
- ~ CHEM-132: Principles of Chemistry II (4 credits)
- ~ CHEM-242: Environmental Chemistry
- ~ PHYS-121: Principles of Physics I (4 credits)
- ~ Choice of:
 - ~ CHEM-202: Introduction to Organic Chemistry (4 credits)
 - OR
 - ~ CHEM-215: Organic Chemistry I (4 credits)
- ~ Choice of:
 - ~ MATH-201: Mathematics for Management and the Social Sciences I (*WOK: Problem Solving*)
 - OR
 - ~ MATH-203: Analytic Geometry and Calculus I (*WOK: Problem Solving*)
 - OR
 - ~ MATH-211: Calculus and Modern Analysis I (*WOK: Problem Solving*)
- ~ Choice of :
 - ~ MATH-227: Introduction to Probability and Statistics
 - OR
 - ~ MATH-262: Probability and Statistics
 - OR
 - ~ PSYC-216: Quantitative Methods in Psychology
- ~ Choice of *:
 - ~ MATH-202: Mathematics for Management and the Social Sciences II
 - OR
 - ~ MATH -204: Analytic Geometry and Calculus II
 - OR
 - ~ MATH-212: Calculus and Modern Analysis II
 - OR
 - ~ PHYS-122: Principles of Physics II (4 credits)

* A course from each of the areas (MATH and PHYS) is highly recommended

Sample Bachelor of Science: Environmental Science Major /selected minor (declaration of minor not required for graduation):

Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 14/15*	Year Two Fall – 17/18*	Year Three Fall – 17	Year Four Fall – 14
BIOL-111 (4 cr) CHEM-131 (4 cr) ENGL-101 Language-103 FYIN-100*	BIOL-201 (4 cr) CHEM-202 or 215 (4 cr) ETHS-201 GLST-201 MATH-201, 203 or 211 FYIN-101*	BIOL-322 (4 cr) MATH-227/262 or PSYC-216 PHYS-121 (4 cr) Minor #1 or elective (WOK) WOK or elective (WI)	BIOL-4XX elective BIOL-312 (4 cr) CHEM-242 Minor #3 or elective WOK or elective (1 cr)
Year One Spring – 14/15*	Year Two Spring – 15/16*	Year Three Spring – 16	Year Four Spring – 13
BIOL-112 (4 cr) CHEM-132 (4 cr) ILAR-101 RLST-104 PHED #1* Swim Test*	BIOL-206 (4 cr) BIOL-217 (4 cr) BIOL-325 or 333 PSPK-101 (1 cr) WOK or elective PHED #2*	BIOL-233 (4 cr) BIOL-3XX elective RLST-2XX Minor #2 or elective MATH or PHYS area	BIOL-498 Minor #4 or elective Minor #5 or elective Minor #6 or elective WOK or elective (1 cr)

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Environmental Sciences – 18 credits minimum

The minor in Environmental Sciences is designed for the non-major who has an interest in the more scientific aspects of Environmental Sciences. Biology majors may minor in Environmental Sciences only if at least two of the Environmental courses for the minor do not count towards their requirements for the major. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Courses are 3 credits unless indicated. *Requirements:*

- ~ BIOL-111: Principles of Biology I (4 credits) (*WOK: Scientific*)
- ~ BIOL-112: Principles of Biology II (4 credits) (*WOK: Scientific*)
- ~ Choice of any four of the following:
 - ~ BIOL-106: Ecology and Environmental Issues (4 credits)
 - ~ BIOL-125: Ponds and Streams (4 credits)
 - ~ BIOL-145: Forests and Fields
 - ~ BIOL-206: General Zoology (4 credits)
 - ~ BIOL-233: Ecology and Evolutionary Biology (4 credits)
 - ~ BIOL-312: Watersheds and Freshwater Ecology (4 credits)
 - ~ BIOL-322: Terrestrial Ecology (4 credits)
 - ~ BIOL-325: Marine Biology (4 credits)
 - ~ BIOL-333: Evolution

CHEMISTRY, BIOCHEMISTRY, FORENSIC CHEMISTRY and PHYSICS

KELLY BUTLER, PHD, ASSOCIATE PROFESSOR OF CHEMISTRY

~ DIRECTOR OF CHEMISTRY AND PHYSICS

LISA DOMICO, PH. D, ASSISTANT PROFESSOR OF BIOLOGY AND CHEMISTRY

KATHLEEN DUFFY, SSJ, PHD, PROFESSOR OF PHYSICS

WILLIAM HERRON, PHD, ASSISTANT PROFESSOR OF CHEMISTRY

SHELDON MILLER, PHD, ASSOCIATE PROFESSOR OF CHEMISTRY

KAREN WENDLING, PHD, ASSISTANT PROFESSOR OF CHEMISTRY

Chestnut Hill College offers a Bachelor of Science (BS) in Chemistry; a Bachelor of Science (BS) in Biochemistry; and a Bachelor of Science (BS) in Forensic Chemistry (new major, Fall 2011). The Department also offers minors in Chemistry and Biochemistry. Interested students should contact Kelly Butler, Room 540, St. Joseph Hall. Telephone: 215.242-7988. Email: butler@chc.edu.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Majors. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minors.

Departmental Mission

The mission of the Chemistry and Physics Department is to engage students in critical and creative inquiry related to the concepts and practice of the Chemistry discipline. Chemistry students develop strong critical thinking and problem solving skills both in the classroom and the laboratory setting, particularly through the use of the scientific method. The Department also fosters creative inquiry: students are encouraged to design their own experiments and synthesize their understanding of Chemistry with other fields to develop unique approaches to solving scientific problems. The Department offers majors in Chemistry, Biochemistry, and Forensic Chemistry, as well as minors in Chemistry and Biochemistry. The flexibility in these majors and minors prepares students for graduate study, health professional programs, and research careers in industry, government and law enforcement laboratories.

Advanced Placement

CHEMISTRY: A grade of 5 will be considered equivalent to completion of *CHEM-132: Principles of Chemistry II* and the student will receive 4 credits. A grade of 4 will be considered equivalent to completion of *CHEM-131: Principles of Chemistry I* and the student will receive 4 credits. For a grade of 3 the student will be awarded 4 credits that will fulfill the *Scientific Ways of Knowing* requirement. A maximum of 4 credits may be applied based on the qualifying Chemistry test score.

PHYSICS: A grade of 4 or higher in Physics B: Mechanics will be considered equivalent to *PHYS-121: Principles of Physics I* and the student will be awarded 4 credits. A grade of 4 or higher in Physics B: Electricity and Magnetism will be considered equivalent to *PHYS-122: Principles of Physics II* will be awarded 4 credits. A student with a grade of 3 or higher in Physics B: Mechanics and/or Physics B: Electricity and Magnetism awarded either 3 or 4 credits (depending on whether the course had a laboratory component) that will count towards fulfilling the *Scientific Ways of Knowing* requirement. For a grade of 3 or higher on the Physics C exam the student will be awarded either 3 or 4 credits (depending on whether the course had a laboratory component) that will count towards fulfilling the *Scientific Ways of Knowing* requirement. Evidence of a lab component may consist of a detailed description, signed by the instructor, of the laboratory exercises performed or a detailed laboratory notebook.

Honors and Honor Societies

Outstanding students may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. All students who have successfully completed the Honors Program will be recognized with Honors in their major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

Sigma Zeta is a national science and mathematics honor society founded in 1925. The society is dedicated to encouraging and fostering the attainment of knowledge in Mathematics, Computer Science, and the Natural Sciences.

Membership in the society recognizes and honors scholarly achievement in the major field. Criteria for eligibility for membership include a minimum of 15 credits the major field, a grade point average of 3.00 in the major field, and a 3.00 grade point average overall. Students majoring in Chemistry, Biochemistry, or Forensic Chemistry may be invited by the department to join Sigma Zeta.

Articulation Agreements

Chestnut Hill College and Arcadia University have entered into an articulation agreement concerning the early consideration for acceptance of Chestnut Hill College graduates into Arcadia's Master's program in Forensic Science and early consideration for financial aid in this program. Certain requirements must be met by the Chestnut Hill College graduate including, but not limited to: certain course requirements; GPA of 3.30 in Pre-Requisite courses; and a GRE combined total score on verbal and quantitative area of 1,050 and a 4.0 or higher on the analytic portion. Please note that the course requirements of this articulation agreement are met by successful graduation majoring in the Forensic Chemistry program at Chestnut Hill College. Further details of this agreement can be obtained from the Chemistry Department.

Secondary Education Certification Program/Secondary Education Minor

The Secondary Education Certification Program in Chemistry (Grades 7 -12) is available to all Chemistry Department majors. The Program integrates educational theory and practice with field experiences that include practicum and student teaching, as well as opportunities to develop teaching competence through innovative and effective approaches to the educational process with focus on students at the Secondary Level. Contact the Education Department for information on applying for the Secondary Education minor.

Students may complete student teaching after graduation but the minor will not be included on the transcript unless student teaching is successfully completed. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor.

The Pennsylvania Department of Education (PDE) now requires that all Secondary Education Certification Program participants have 9 credits of Special Education coursework and 3 credits of Teaching English as a Second Language coursework. In addition, participants will need to meet field experience competencies that will either require two separate practicum experiences, or one practicum and one extended student teaching experience. The PDE has not identified the field experience competencies as of July 1, 2011. The Education Department will determine the best options for students on an individual basis. Following formal acceptance into the minor, students need to complete the following courses in addition to all major requirements:

Minor in Secondary Education (All Chemistry Programs) – 36 credits minimum

Courses are 3 credits unless indicated. *Requirements:*

- ~ EDSC-201: Adolescent Psychology and Development
- ~ EDSC-202: Educational Psychology (*WOK: Behavioral*)
- ~ EDSC-203: The Foundations of High School
- ~ EDSC-315: General Methods & Assessment
- ~ EDSC-420: Student Teaching in Secondary School (6 credits)
- ~ EDSC-421: Student Teaching Seminar/Secondary School
- ~ EDSP-312: Reading Interventions for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations
- ~ EDSP-390: ESL Foundations and Methods
- ~ CHEM-317: Special Methods in Chemistry/General Science

May be required; discuss options with a Faculty Advisor:

- ~ EDSP-355: Instruction in Inclusive Environment

Course Options

Chemistry and Physics courses are available to students in any major either looking to fulfill a Scientific *Ways of Knowing* or expand on interests without pursuing a minor. The following courses are open to students in any major; however, they may not be offered every semester and may have a Pre-Requisite. Courses are 3 credits unless indicated and a grade of C- or better is required in all Pre-Requisites. Check the Course Description section for information on the following courses, which may not be offered every semester:

- ~ CHEM-103: Chemistry and Public Policy (4 credits) (*WOK: Scientific*)

- ~ CHEM-106: Introduction to Forensic Science (4 credits) (WOK: Scientific)
- ~ CHEM-131: Principles of Chemistry I (4 credits) (WOK: Scientific)
- ~ CHEM-132: Principles of Chemistry II (4 credits) (WOK: Scientific)
- ~ CHEM-490: Independent Study in Chemistry (Repeatable for credit)
- ~ PHYS-104: Astronomy (WOK: Scientific)
- ~ PHYS-107: The Science of Music (WOK: Scientific)
- ~ PHYS-121: Principles of Physics I (4 credits) (WOK: Scientific)
- ~ PHYS-122: Principles of Physics II (4 credits) (WOK: Scientific)

Chemistry

Major in Chemistry – 56 credits minimum

Courses are 3 credits unless indicated and a grade of C- or better is required in all Pre-Requisites.

Required in the Major:

- ~ CHEM-131: Principles of Chemistry I (4 credits) (WOK: Scientific)
- ~ CHEM-132: Principles of Chemistry II (4 credits)
- ~ CHEM-215: Organic Chemistry I (4 credits)
- ~ CHEM-216: Organic Chemistry II (4 credits)
- ~ CHEM-301: Analytical Chemistry (5 credits)
- ~ CHEM-313: Physical Chemistry I (4 credits)
- ~ CHEM-314: Physical Chemistry II (4 credits)
- ~ CHEM-340: Inorganic Chemistry (4 credits)
- ~ CHEM-498: Senior Seminar in Chemistry
- ~ Two additional courses chosen from the following:
 - ~ CHEM-303: Instrumental Analysis (5 credits)
 - ~ CHEM-307: Biochemistry I (5 credits)
 - ~ CHEM-308: Biochemistry II
 - ~ CHEM-405: Advanced Organic Chemistry
 - ~ CHEM-481: Advanced Special Topics in Chemistry/Topics vary by semester (3 -4 credits) (Repeatable for credit)

Also required:

- ~ PHYS-121: Principles of Physics I (4 credits)
- ~ PHYS-122: Principles of Physics II (4 credits)
- ~ Choice of:
 - ~ MATH-203: Analytic Geometry and Calculus I (WOK: Problem Solving)
 - AND**
 - ~ MATH-204: Analytic Geometry and Calculus II (WOK: Problem Solving)
 - OR**
 - ~ MATH-211: Calculus and Modern Analysis I (WOK: Problem Solving)
 - AND**
 - ~ MATH-212: Calculus and Modern Analysis II (WOK: Problem Solving)

Sample Bachelor of Science: Chemistry Major/selected minor (declaration of minor not required for graduation):

Please note that this is a suggested academic plan only; it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 13/14*	Year Two Fall – 14/15*	Year Three Fall – 15	Year Four Fall – 16
CHEM-131 (4 cr) ENGL-101 MATH-203/211 Language 103 FYIN-100*	CHEM-215 (4 cr) PHYS-121 (4 cr) GLST-201 WOK or elective PHED #2*	CHEM-301 (5 cr) CHEM-340 (4 cr) WOK or elective (WI) Minor #2 or elective	CHEM-314 (4 cr) CHEM elective (3 cr) Minor #4 or elective Minor #4 or elective Minor #5 or elective
Year One Spring – 16/17*	Year Two Spring – 15/16*	Year Three Spring – 16	Year Four Spring – 15
CHEM-132 (4 cr) ILAR-101 MATH-204/212 RLST-104 WOK or elective PHED #1* Swim Test *	CHEM-216 (4 cr) PHYS-122 (4 cr) PSPK-101 (1 cr) RLST-2XX Minor #1 or elective FYIN-101*	CHEM-313 (4 cr) ETHS-201 CHEM elective WOK or elective Minor #3 or elective	CHEM-498 Minor #6 or elective WOK or elective WOK or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Chemistry – 22 credits minimum (six courses)

Biology, Molecular Biology, and Environmental Science majors may minor in Chemistry only if at least two of the courses for the minor do not count towards their requirements for the major. *Requirements:*

- ~ CHEM-131: Principles of Chemistry I (4 credits) (*WOK: Scientific*)
- ~ CHEM-132: Principles of Chemistry II (4 credits) (*WOK: Scientific*)
- ~ CHEM-215: Organic Chemistry I (4 credits) (*WOK: Scientific*)
- ~ CHEM-216: Organic Chemistry II (4 credits) (*WOK: Scientific*)
- ~ Remaining courses chosen in consultation with the Departmental advisor.

Biochemistry

Major in Biochemistry – 69 credits

Courses are 3 credits unless indicated and a grade of C- or better is required in all Pre-Requisites.

Required in the Major:

- ~ CHEM-131: Principles of Chemistry I (4 credits) (*WOK: Scientific*)
- ~ CHEM-132: Principles of Chemistry II (4 credits)
- ~ CHEM-215: Organic Chemistry I (4 credits)
- ~ CHEM-216: Organic Chemistry II (4 credits)
- ~ CHEM-301: Analytical Chemistry (5 credits)
- ~ CHEM-307: Biochemistry I (5 credits)
- ~ CHEM-308: Biochemistry II (3 credits)
- ~ CHEM-313: Physical Chemistry I (4 credits)
- ~ CHEM-314: Physical Chemistry II (4 credits)
- ~ CHEM-498: Senior Seminar in Biochemistry

Also required:

- ~ BIOL-111: Principles of Biology I (4 credits)
- ~ BIOL-201: Cell Biology (4 credits)
- ~ BIOL-217: Genetics (4 credits)
- ~ Choice of:
 - ~ MATH-203: Analytic Geometry and Calculus I (*WOK: Problem Solving*)
 - AND**
 - ~ MATH-204: Analytic Geometry and Calculus II (*WOK: Problem Solving*)
 - OR*
 - ~ MATH-211: Calculus and Modern Analysis I (*WOK: Problem Solving*)
 - AND**
 - ~ MATH-212: Calculus and Modern Analysis II (*WOK: Problem Solving*)
- ~ MATH-262: Probability and Statistics
- ~ PHYS-121: Principles of Physics I (4 credits)
- ~ PHYS-122: Principles of Physics II (4 credits)

Sample Bachelor of Science: Biochemistry Major /selected minor (declaration of minor not required for graduation):

Please note that this is a suggested academic plan only; it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the major.

Year One Fall – 14/15*	Year Two Fall – 14/15*	Year Three Fall – 16	Year Four Fall – 14
BIOL-111 (4 cr) CHEM-131 (4 cr) ENGL-101 MATH-203/211 FYIN-100*	CHEM-215 (4 cr) GLST-201 PHYS-121 (4 cr) WOK or elective FYIN-101*	CHEM-301 (5 cr) CHEM-307 (5 cr) ETHS-201 MATH-262	BIOL-201 (4 cr) CHEM-313 (4 cr) Minor #3 or elective Minor #4 or elective
Year One Spring – 16/17*	Year Two Spring – 17	Year Three Spring – 14/15*	Year Four Spring – 16
CHEM-132 (4 cr) ILAR-101 MATH-204/212 RLST-104 Language 103 PHED #1* Swim Test*	CHEM-216 (4 cr) PHYS-122 (4 cr) RLST-2XX WOK or elective Minor #1 or elective	BIOL-217 (4 cr) CHEM-308 PSPK-101 (1 cr) Minor #2 or elective WOK or elective (WI) PHED #2*	CHEM-314 (4 cr) CHEM-498 Minor #5 or elective Minor #6 or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 121

Minor in Biochemistry – 24 credits

Biology, Molecular Biology, and Environmental Science majors may minor in Biochemistry only if at least two of the courses for the minor do not count towards their requirements for the major. *Requirements:*

- ~ CHEM-131: Principles of Chemistry I (4 credits) (*WOK: Scientific*)
- ~ CHEM-132: Principles of Chemistry II (4 credits) (*WOK: Scientific*)
- ~ CHEM-215: Organic Chemistry I (4 credits) (*WOK: Scientific*)
- ~ CHEM-216: Organic Chemistry II (4 credits) (*WOK: Scientific*)
- ~ CHEM-307: Biochemistry I (5 credits)
- ~ CHEM-308: Biochemistry II (3 credits)

Forensic Chemistry

(New major replacing *Forensic Sciences* – effective Fall 2011.)

Major in Forensic Chemistry – 71 credits minimum

Courses are 3 credits unless indicated and a grade of C- or better is required in all Pre-Requisites.

Required in the Major:

- ~ CHEM-131: Principles of Chemistry I (4 credits) (*WOK: Scientific*)
- ~ CHEM-132: Principles of Chemistry II (4 credits)
- ~ CHEM-215: Organic Chemistry I (4 credits)
- ~ CHEM-216: Organic Chemistry II (4 credits)
- ~ CHEM-301: Analytical Chemistry (5 credits)
- ~ CHEM-303: Instrumental Analysis (5 credits)
- ~ CHEM-307: Biochemistry I (5 credits)
- ~ CHEM-308: Biochemistry II (3 credits)
- ~ CHEM-314: Physical Chemistry II (4 credits)
- ~ CHEM-322: Toxicology
- ~ CHEM-401: Internship in Forensic Chemistry
- ~ CHEM-498: Senior Seminar in Chemistry
- ~ One additional course (3 – 5 credits) in Chemistry chosen in consultation with an academic advisor.

Also required:

- ~ BIOL-111: Principles of Biology I (4 credits) (*WOK: Scientific*)
- ~ Choice of:
 - ~ MATH-203: Analytic Geometry and Calculus I (*WOK: Problem Solving*)
 - AND**
 - ~ MATH-204: Analytic Geometry and Calculus II (*WOK: Problem Solving*)
 - OR*
 - ~ MATH-211: Calculus and Modern Analysis I (*WOK: Problem Solving*)
 - AND**
 - ~ MATH-212: Calculus and Modern Analysis II (*WOK: Problem Solving*)
- ~ MATH-262: Probability and Statistics
- ~ PHYS-121: Principles of Physics I (4 credits)
- ~ PHYS-122: Principles of Physics II (4 credits)

Recommended but not required:

- ~ CRJU-223: Criminal Law (*WOK: Behavioral*)

Recommended for students considering graduate school in Chemistry:

- ~ CHEM-313: Physical Chemistry I
- ~ CHEM-340: Inorganic Chemistry

Sample Bachelor of Science: Forensic Chemistry Major/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 14/15*	Year Two Fall – 14/15*	Year Three Fall – 16	Year Four Fall – 16
BIOL-111 (4 cr) CHEM-131 (4 cr) ENGL-101 MATH-203/211 FYIN-100*	CHEM-215 (4 cr) GLST-201 MATH-262 PHYS-121 (4 cr) PHED #1* Swim Test*	CHEM-301 (5 cr) CHEM-307 (5 cr) ETHS-201 Minor #1 or elective	CHEM-241 CHEM-314 (4 cr) WOK or elective (WI) Minor #3 or elective Minor #4 or elective
Year One Spring – 16	Year Two Spring – 15/16*	Year Three Spring – 15/16*	Year Four Spring – 13

CHEM-132 (4 cr) ILAR-101 MATH-204/212 RLST-104 Language 103	CHEM-216 (4 cr) PHYS-122 (4 cr) PSPK-101 RLST-2XX WOK or elective PHED #2*	CHEM-303 (5 cr) CHEM-308 (4 cr) CHEM-401 Minor #2 or elective FYIN-101* with Internship	CHEM-498 Minor #5 or elective Minor #6 or elective WOK or elective Elective (1 cr)
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*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

MATHEMATICAL SCIENCES

MERILYN RYAN SSJ, PHD, PROFESSOR OF MATHEMATICS

~ COORDINATOR OF THE MATHEMATICAL SCIENCES DEPARTMENT

VALENTINA JOUKHOVITSKI, PHD, ASSISTANT PROFESSOR OF MATHEMATICS

JUDITH SULLIVAN, MED, ASSOCIATE PROFESSOR OF MATHEMATICS

Chestnut Hill College offers a Bachelor of Science (BS) in Mathematics, and a Bachelor of Science (BS) in Mathematical and Computer Sciences. A minor in Mathematics is also available. Interested students should contact Merilyn Ryan, SSJ, Room 174, St. Joseph Hall. Telephone: 215/753-3620. Email: ryanm@chc.edu.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Majors. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor.

Departmental Mission

The Mathematical Sciences curriculum focuses on the analytical skills required for an understanding and efficient use of mathematics. The study of Mathematics develops the ability to reason logically, to analyze and solve problems, to think abstractly and to express thoughts clearly and precisely, valuable skills for meeting the demands of today's world. Through their coursework, students acquire an appreciation for the power and beauty of mathematics that are revealed in its structure and methods.

Both programs provide students with a thorough grounding in theoretical and applied mathematics, while providing enough flexibility for the student to decide on the amount of emphasis to be given to computer science. By selecting appropriate electives, students in both majors may prepare for graduate study in mathematics and related disciplines, as well as for positions in business, industry, and education. (See Education for Secondary Education requirements.)

Honors and Honor Societies

Sigma Zeta is a national science and mathematics honor society founded in 1925. The society is dedicated to encouraging and fostering the attainment of knowledge in Mathematics, Computer Science, and the Natural Sciences. Membership in the society recognizes and honors scholarly achievement in the major field. Criteria for eligibility for membership include a minimum of 15 credits the major field, a grade point average of 3.00 in the major field, and a 3.00 grade point average overall. Students majoring in Mathematics or in Mathematics and Computer Sciences may be invited by the department to join Sigma Zeta.

Outstanding students who major in Mathematics or Mathematical and Computer Sciences may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. All students who have successfully completed the Honors Program will be recognized with Honors in their major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

Advanced Placement

Students who earn a score of 3 in Calculus AB will receive 3 credits for *MATH-203: Analytic Geometry and Calculus I*. Students who earn a score of 4 or 5 in Calculus AB or a score of 3 in Calculus BC will receive 3 credits for *MATH-204: Analytic Geometry and Calculus II*. Students who earn a score of 4 or 5 in Calculus BC will receive 3 credits for *MATH-212: Calculus and Modern Analysis II*. Students who earn a 3 in Statistics will receive 3 credits for *MATH-227: Introduction to Statistics*. Students who earn a score of 4 or 5 in Statistics will receive 3 credits for *MATH-262: Probability and Statistics*. A maximum of 6 credits may be applied based on the qualifying Mathematics test score. Any of the above fulfills the Problem Solving *Ways of Knowing* requirement.

Math Proficiency

Every student at Chestnut Hill College must demonstrate the attainment of reasonable proficiency in Mathematics. Incoming students take a proficiency exam, and the results help determine whether the student has attained the

required level or will enter a developmental program. Fulfillment of the Mathematics proficiency requirement is necessary for graduation.

The Mathematical Sciences Department offers courses designed to equip students in other majors with the mathematical knowledge necessary for their chosen fields of study; courses for liberal arts students who wish to develop their understanding and appreciation of Mathematics; and a developmental program for students who have not attained mathematical proficiency.

Depending upon Mathematics Proficiency test results, entering students may be required to take *MATH-100: Developmental Mathematics: Basic Skills and Principles*, which is not applicable towards graduation; *MATH-121: Precalculus*; or will be placed in a Mathematics course suited to the chosen major.

Secondary Education Certification Program/Secondary Education Minor

Secondary Education Certification Program in Mathematics (Grades 7 -12) is available to all Mathematical Sciences Department majors. The Program integrates educational theory and practice with field experiences that include practicum and student teaching, as well as opportunities to develop teaching competence through innovative and effective approaches to the educational process with focus on students at the Secondary Level. Contact the Education Department for information on applying for the Secondary Education minor.

The Pennsylvania Department of Education (PDE) now requires that all Secondary Education Certification Program participants have 9 credits of Special Education coursework and 3 credits of Teaching English as a Second Language coursework. In addition, participants will need to meet field experience competencies that will either require two separate practicum experiences, or one practicum and one extended student teaching experience. The PDE has not identified the field experience competencies as of July 1, 2011. The Education Department will determine the best options for students on an individual basis.

Students may complete student teaching after graduation but the minor will not be included on the transcript unless student teaching is successfully completed. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor.

Following formal acceptance into the minor, students need to complete the following courses in addition to all major requirements:

Minor in Secondary Education (All Mathematical Sciences Programs) – 36 credits minimum

Courses are 3 credits unless indicated. *Requirements:*

- ~ EDSC-201: Adolescent Psychology and Development
- ~ EDSC-202: Educational Psychology (*WOK: Behavioral*)
- ~ EDSC-203: The Foundations of High School
- ~ EDSC-315: General Methods & Assessment
- ~ EDSC-420: Student Teaching in Secondary School (6 credits)
- ~ EDSC-421: Student Teaching Seminar/Secondary School
- ~ EDSP-312: Reading Interventions for Diverse Learners
- ~ EDSP-340: Introduction to Special Education
- ~ EDSP-345: Assessments and Adaptations
- ~ EDSP-390: ESL Foundations and Methods
- ~ MATH-317: Special Methods in Mathematics

May be required; discuss options with a Faculty Advisor:

- ~ EDSP-355: Instruction in Inclusive Environment

Course Options

Courses open to students of any major to fulfill a Problem Solving *Ways of Knowing*, to meet a requirement in another major, or to pursue an interest in Mathematics without declaring a minor include the following, which may not be offered every semester. See the Course Descriptions for information and any Pre-Requisites:

- ~ MATH-115: Understanding Our Quantitative World (*WOK: Problem Solving*)
- ~ MATH-121: Precalculus I (*WOK: Problem Solving*)
- ~ MATH-122: Precalculus II (*WOK: Problem Solving*)
- ~ MATH-123: Precalculus -A Condensed Approach (*WOK: Problem Solving*)
- ~ MATH-201: Mathematics for Management and the Social Sciences I (*WOK: Problem Solving*)
- ~ MATH-202: Mathematics for Management and the Social Sciences II (*WOK: Problem Solving*)

- ~ MATH-203: Analytic Geometry and Calculus I (*WOK: Problem Solving*)
- ~ MATH-204: Analytic Geometry and Calculus II (*WOK: Problem Solving*)
- ~ MATH-211: Calculus and Modern Analysis I (*WOK: Problem Solving*)
- ~ MATH-212: Calculus and Modern Analysis II (*WOK: Problem Solving*)
- ~ MATH-215: Mathematics for Liberal Arts (*WOK: Problem Solving*)
- ~ MATH-227: Introduction to Statistics (*WOK: Problem Solving*)
- ~ MATH-231: Basic Mathematical Theory and Applications I (*WOK: Problem Solving*)
- ~ MATH-232: Basic Mathematical Theory and Applications II (*WOK: Problem Solving*)
- ~ MATH-233: Basic Mathematical Theory and Applications III (*WOK: Problem Solving*)
- ~ MATH-251: Calculus and Linear Algebra (*WOK: Problem Solving*)
- ~ MATH-252: Calculus and Modern Analysis III (*WOK: Problem Solving*)
- ~ MATH-261: Discrete Methods in Mathematics (*WOK: Problem Solving*)
- ~ MATH-262: Probability and Statistics (*WOK: Problem Solving*)
- ~ MATH-490: Independent Study in Mathematics (*Repeatable for credit*)

Mathematics

Major in Mathematics – 43 credits minimum

Courses are 3 credits unless indicated.

Required in the Major:

- ~ MATH-251: Calculus and Linear Algebra (*WOK: Problem Solving*)
- ~ MATH-252: Calculus and Modern Analysis III
- ~ MATH-261: Discrete Methods in Mathematics
- ~ MATH-262: Probability and Statistics
- ~ MATH-305: Abstract Algebra I
- ~ MATH-306: Abstract Algebra II
- ~ MATH-497: Modern Mathematical Theory I (*Writing Intensive*)
- ~ MATH-498: Senior Seminar/Modern Mathematical Theory II
- ~ Four courses (12 credits) in Mathematics chosen from the following, which may not be offered every semester:
 - ~ MATH-281: Special Topics in Mathematics/Topics vary by semester (*Repeatable for credit*)
 - ~ MATH-307: Differential Equations
 - ~ MATH-321: Advanced Calculus
 - ~ MATH-331: Mathematical Modeling
 - ~ MATH-341: Introduction to Operations Research
 - ~ MATH-342: Fundamentals of Geometry
 - ~ MATH-481: Advanced Special Topics in Mathematics/Topics vary by semester (*Repeatable for credit*)

Also required:

- ~ CMSC-210: Programming in Java (4 credits) (*WOK: Problem Solving*)
- ~ Choice of:
 - ~ CMSC-190: Introduction to Programming Logic
 - OR
 - ~ CMSC-251: Data Structures in Java (4 credits)

Recommended, but not required:

- ~ PHYS-121: Principles of Physics I (4 credits) (*WOK: Scientific*)
- ~ PHYS-122: Principles of Physics II (4 credits)

*Students with previous programming experience take CMSC-251 instead of CMSC-190.

Sample Bachelor of Science: Mathematics Major /selected minor (declaration of minor not required for graduation):

Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15/16*	Year Three Fall – 16	Year Four Fall – 15
CMSC-190 or 251 ENGL-101 MATH elective or 211 RLST-104 Language-103 FYIN-100*	GLST-201 MATH-251 MATH-elective RLST -2XX WOK or elective FYIN-101*	MATH-306 CMSC-210 (4 cr) MATH elective Minor #3 WOK or elective	MATH elective MATH-497 (WI) Minor #5 ETHS-201 WOK or elective
Year One Spring – 16/17*	Year Two Spring – 15/16*	Year Three Spring – 13	Year Four Spring – 15

CMSC-210 (4 cr) ILAR-101 MATH elective or 212 WOK or elective WOK or elective PHED #1* Swim Test*	MATH-252 MATH-305 WOK or elective Minor #1 Minor #2 PHED #2*	MATH -262 MATH elective PSPK-101 (1 cr) WOK or elective Minor #4	MATH-498 MATH elective Minor #6 WOK or elective WOK or elective
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*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Mathematics for students in Natural Science, Humanities, or Social Science Majors – 18 credits

Requirements:

- ~ Choice of:
 - ~ MATH-203: Analytic Geometry and Calculus I (*WOK: Problem Solving*)
AND
 - ~ MATH-204: Analytic Geometry and Calculus II (*WOK: Problem Solving*)
OR
 - ~ MATH-211: Calculus and Modern Analysis I (*WOK: Problem Solving*)
AND
 - ~ MATH-212: Calculus and Modern Analysis II (*WOK: Problem Solving*)
- ~ Four courses (12 credits) chosen from the following, which may not be offered every semester:
 - ~ MATH-251: Calculus and Linear Algebra
 - ~ MATH-252: Calculus and Modern Analysis III
 - ~ MATH-261: Discrete Methods in Mathematics
 - ~ MATH-262: Probability and Statistics
 - ~ MATH-281: Special Topics in Mathematics/Topics vary by semester (*Repeatable for credit*)
 - ~ MATH-305: Abstract Algebra I
 - ~ MATH-306: Abstract Algebra II
 - ~ MATH-307: Differential Equations
 - ~ MATH-331: Mathematical Modeling
 - ~ MATH-341: Introduction to Operations Research
 - ~ MATH-342: Fundamentals of Geometry
 - ~ MATH-481: Advanced Special Topics in Mathematics/Topics vary by semester (*Repeatable for credit*)

Minor in Mathematics for students in a Business Major – 18 credits

Requirements:

- ~ MATH-201: Mathematics for Management and the Social Sciences I (*WOK: Problem Solving*)
- ~ MATH-202: Mathematics for Management and the Social Sciences II (*WOK: Problem Solving*)
- ~ MATH-227: Introduction to Probability and Statistics
- ~ Three courses (9 credits) chosen from the following, which may not be offered every semester:
 - ~ MATH-251: Calculus and Linear Algebra
 - ~ MATH-261: Discrete Methods in Mathematics
 - ~ MATH-281: Special Topics in Mathematics/Topics vary by semester (*Repeatable for credit*)
 - ~ MATH-305: Abstract Algebra I
 - ~ MATH-331: Mathematical Modeling
 - ~ MATH-341: Introduction to Operations Research
 - ~ MATH-481: Advanced Special Topics in Mathematics/Topics vary by semester (*Repeatable for credit*)

Minor in Mathematics for students majoring in Early Education (PreK to 4) or Middle Level Education (Grades 4 to 8) – 18 credits

Requirements:

- ~ MATH-231: Basic Mathematical Theory and Applications I (*WOK: Problem Solving*)
- ~ MATH-232: Basic Mathematical Theory and Applications II (*WOK: Problem Solving*)
- ~ Choice of:
 - ~ MATH-202: Mathematics for Management and the Social Sciences II
OR
 - ~ MATH-203: Analytic Geometry and Calculus I
AND
 - ~ MATH-204: Analytic Geometry and Calculus II
- ~ Two to three courses (6 to 9 credits) chosen from the following, which may not be offered every semester:
 - ~ MATH-233: Basic Mathematical Theory and Applications III (required for Middle Level)
 - ~ MATH-251: Calculus and Linear Algebra

- ~ MATH-252: Calculus and Modern Analysis III
- ~ MATH-261: Discrete Methods in Mathematics
- ~ MATH-281: Special Topics in Mathematics/Topics vary by semester (*Repeatable for credit*)
- ~ MATH-305: Abstract Algebra I
- ~ MATH-342: Fundamentals of Geometry
- ~ MATH-481: Advanced Special Topics in Mathematics/Topics vary by semester (*Repeatable for credit*)

Mathematical and Computer Sciences

Major in Mathematical and Computer Sciences – 45 credits

Courses are 3 credits unless indicated.

Required in the Major:

- ~ MATH-251: Calculus and Linear Algebra (*WOK: Problem Solving*)
- ~ MATH-252: Calculus and Modern Analysis III)
- ~ MATH-261: Discrete Methods in Mathematics
- ~ MATH-262: Probability and Statistics
- ~ MATH-305: Abstract Algebra I
- ~ MATH-497: Modern Mathematical Theory I (*Writing Intensive*)
- ~ MATH-498: Senior Seminar/Modern Mathematical Theory II
- ~ One additional course (3 credits) chosen from the following, which may not be offered every semester:
 - ~ MATH-281: Special Topics in Mathematics/Topics vary by semester (*Repeatable for credit*)
 - ~ MATH-306: Abstract Algebra II
 - ~ MATH-307: Differential Equations
 - ~ MATH-321: Advanced Calculus
 - ~ MATH-331: Mathematical Modeling
 - ~ MATH-341: Introduction to Operations Research
 - ~ MATH-342: Fundamentals of Geometry
 - ~ MATH-481: Advanced Special Topics in Mathematics/Topics vary by semester (*Repeatable for credit*)
- ~ CMSC-210: Programming in Java (4 credits)
- ~ CMSC-251: Data Structures in Java (4 credits)
- ~ CMSC-350: Computer Architecture and Logic Design (4 credits)
- ~ Three additional courses (9 credits) in Computer and Information Sciences chosen with an academic advisor from the following, which may not be offered every semester:
 - ~ CMSC-205: Systems Analysis and Design
 - ~ CMSC-280: Computer Science: History, Trends and Ethical Issues (*Writing Intensive*)
 - ~ CMSC-281: Special Topics in Computer Science/Topics vary by semester (*Repeatable for credit*)
 - ~ CMSC-285: Algorithms in AI and Robotics
 - ~ CMSC-300: Application Development and Design
 - ~ CMSC-310: Research Methods in Computer and Information Science
 - ~ CMSC-321: Communications and Networks
 - ~ CMSC-401: Internship in Computer Science
 - ~ CMSC-405: Programming Languages

Sample Bachelor of Science: Mathematical and Computer Sciences Major/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 16/17*	Year Two Fall – 15/16*	Year Three Fall – 15	Year Four Fall – 15
MATH elective or 211 Language 103 CMSC- 210 (4 cr) WOK or elective ENGL-101 FYIN-100*	MATH-251 MATH-261 RLST-2XX GLST-201 WOK or elective FYIN-101*	CMSC elective MATH elective ETHS-201 WOK or elective Minor #3 or elective	MATH-497 (WI) MATH elective Minor #5 or elective Minor #6 or elective CMSC-elective
Year One Spring – 13/14*	Year Two Spring – 15/16*	Year Three Spring – 17	Year Four Spring – 15
MATH elective or 212 ILAR-101 RLST 104 CMSC-251 (4 cr) PHED #1* Swim Test*	MATH-252 MATH-305 WOK or elective Minor #1 or elective Minor #2 or elective PHED #2*	MATH-262 CMSC-350 (4 cr) PSPK-101 (1 cr) Minor #4 or elective WOK or elective WOK or elective	MATH-498 WOK or elective WOK or elective WOK or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 121

PSYCHOLOGY

JOSEPH MICUCCI, PHD, PROFESSOR OF PSYCHOLOGY

~ CHAIR OF THE PSYCHOLOGY DIVISION

MEREDITH E. KNEAVEL, PHD, ASSOCIATE PROFESSOR OF PSYCHOLOGY

~ UNDERGRADUATE COORDINATOR

LYNN BRANDSMA, PHD, ASSOCIATE PROFESSOR OF PSYCHOLOGY

~ COORDINATOR OF THE COMBINED BA/MS PROGRAM

JOSEPH DIORIO, PHD, ASSISTANT PROFESSOR OF PSYCHOLOGY

NANCY PORTER, PHD, ASSOCIATE PROFESSOR OF PSYCHOLOGY

Chestnut Hill College offers a Bachelor of Arts (BA) in Psychology; a dual degree (BA/MS) program in Counseling Psychology; and a minor in Psychology. Students interested in these programs should contact Meredith Kneavel, Room 3, St. Joseph Hall. Telephone: 215.248-7049. Email: brandsmal@chc.edu.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor.

Departmental Mission

The Psychology Department offers courses that encompass the broad range of factors that shape human behavior. The influences related to Biology, particularly the workings of the brain, from individual psychological processes such as cognitions and emotions, and the effects of sociocultural surroundings are all considered as students are exposed to the great breadth of the field.

In addition, rigorous training in research methods prepares the students well for individual investigation and graduate study. Students can also receive course credit for supervised field experiences through internships in their Junior and Senior years.

Advanced Placement

An Advanced Placement test scores of 3 or higher will be accepted as 3 credits equivalent to *PSYC-101: General Psychology*.

Honors and Honor Societies

The Psychology Department sponsors Psi Chi, the Psychology Honors Society and the Psychology Club. Members of both organizations jointly sponsor and partake in activities such as guest speakers, demonstrations and academic events.

Outstanding students may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors Thesis submitted in the spring of Senior year. All students who have successfully completed the Honors Program will be recognized with Honors in their major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

Course Options

Courses open to students of any major to fulfill a Behavioral *Ways of Knowing*, to meet a requirement in another major, or to pursue an interest in Psychology include the following, which may not be offered every semester; see Course Descriptions for Pre-Requisites:

- ~ PSYC-101: General Psychology (*WOK: Behavioral*)
- ~ PSYC-103: Psychology of Child Development (*WOK: Behavioral*)
- ~ PSYC-109: Psychology of Women (*WOK: Behavioral*)
- ~ PSYC-111: Industrial/Organizational Psychology (*WOK: Behavioral*)
- ~ PSYC-202: Educational Psychology (*WOK: Behavioral*)
- ~ PSYC-206: Theories of Personality (*WOK: Behavioral*)
- ~ PSYC-207: Introduction to Cognitive Psychology (*WOK: Behavioral*)
- ~ PSYC-210: Physiology of Behavior (*WOK: Behavioral*)

- ~ PSYC-211: Sensation and Perception (*WOK: Behavioral*)
- ~ PSYC-212: Social Psychology (*WOK: Behavioral*)
- ~ PSYC-217: Abnormal Psychology (*WOK: Behavioral*)
- ~ PSYC-223: Theory and Practice of Psychological Counseling (*WOK: Behavioral*)
- ~ PSYC-230: Drugs and Behavior
- ~ PSYC-235: Forensic Psychology
- ~ PSYC-240: Psychology of Health, Stress, and Coping (*WOK: Behavioral*)
- ~ PSYC-250: Adolescence/ Adulthood and Aging (*WOK: Behavioral*)
- ~ PSYC-281: Special Topics in Psychology/Topics vary by semester (*Repeatable for credit*)
- ~ PSYC-301: Group Process and Leadership
- ~ PSYC-481: Advanced Special Topics in Psychology/Topics vary by semester (*Repeatable for credit*)
- ~ PSYC -490: Independent Study in Psychology (*Repeatable for credit*)

Psychology

Major in Psychology – 36 credits

Required in the Major:

- ~ PSYC-101: General Psychology (*WOK: Behavioral*)
- ~ PSYC-216: Quantitative Methods in Psychology
- ~ PSYC-313: Research Design in Psychology (*Writing Intensive*)
- ~ PSYC-320: Psychological Measurement
- ~ PSYC-498: Senior Seminar in Psychology
- ~ Four courses (12 credits) – one from each of the following *Content Areas*. Courses may not be offered every semester:
 - ~ *Applied Psychology* (one course, 3 credits):
 - ~ PSYC-109: Psychology of Women
 - ~ PSYC-111: Industrial/Organizational Psychology
 - ~ PSYC-202: Educational Psychology
 - ~ PSYC-212: Social Psychology
 - ~ PSYC-225: Psychology and the Law
 - ~ PSYC-235: Forensic Psychology
 - ~ PSYC-281: Special Topics in Psychology/Topics vary by semester (*Repeatable for credit*)
 - ~ PSYC-314: Undergraduate Research
 - ~ PSYC-481: Advanced Special Topics in Psychology/Topics vary by semester (*Repeatable for credit*)
 - ~ *Clinical Psychology* (one course, 3 credits):
 - ~ PSYC-206: Theories of Personality
 - ~ PSYC-217: Abnormal Psychology
 - ~ PSYC-223: Theory and Practice of Psychological Counseling
 - ~ PSYC-301: Group Process and Leadership
 - ~ *Developmental Psychology* (one course, 3 credits):
 - ~ PSYC-103: Psychology of Child Development
 - ~ PSYC-250: Adolescence/ Adulthood and Aging
 - ~ *Experimental Psychology* (one course, 3 credits):
 - ~ PSYC-207: Introduction to Cognitive Psychology
 - ~ PSYC-210: Physiology of Behavior
 - ~ PSYC-211: Sensation and Perception
 - ~ PSYC-230: Drugs and Behavior
 - ~ PSYC-240: Psychology of Health, Stress and Coping
 - ~ PSYC-260: Theories of Learning
- ~ Three additional courses (9 credits) chosen by the student from any of the above *Content Areas*.

Sample Bachelor of Arts: Psychology Major /selected minor (declaration of minor not required for graduation):

Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16	Year Two Fall – 15/16	Year Three Fall – 15/16	Year Four Fall – 15
ENGL-101 PSYC-101 RLST-104 Language 103 WOK or elective FYIN-100*	GLST-201 PSYC Content Area PSYC Content Area WOK or elective WOK or elective FYIN-101*	ETHS-201 PSYC Elective PSYC-216 WOK or elective (WI) Minor #1 or elective PHED #2*	PSYC-320 Minor #4 or elective Minor #5 or elective PSYC Elective WOK or elective
Year One Spring – 15/16	Year Two Spring – 15	Year Three Spring – 16	Year Four Spring – 14

ILAR-101 PSYC Content Area RLST-2XX WOK or elective WOK or elective PHED #1* Swim Test*	PSYC Content Area PSYC Elective WOK or elective WOK or elective WOK or elective	PSPK-101 (1 cr) PSYC Elective PSYC-313 Minor #2 or elective Minor #3 or elective WOK or elective	PSYC-498 Minor #6 or elective WOK or elective (4 cr) WOK or elective Elective (1 cr)
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*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Psychology – 18 credits

The minor in Psychology is designed for students interested in becoming aware of issues in Psychology or in preparing for careers in human services or other mental health-related fields while pursuing another major. There is considerable flexibility in designing a minor that fits the student's needs and desires. Because some courses have Pre-Requisites, are open to majors only, or are not offered every year, a student interested in a Psychology minor must be advised by the Psychology Department. *Requirements:*

- ~ PSYC-101: General Psychology (*WOK: Behavioral*)
- ~ One course (3 credits) chosen from each of the following *Content Areas*. Courses may not be offered every semester:
 - ~ *Applied Psychology* (one course, 3 credits):
 - ~ PSYC-109: Psychology of Women
 - ~ PSYC-111: Industrial/Organizational Psychology
 - ~ PSYC-202: Educational Psychology
 - ~ PSYC-212: Social Psychology
 - ~ PSYC-225: Psychology and the Law
 - ~ PSYC-235: Forensic Psychology
 - ~ PSYC-281: Special Topics in Psychology/Topics vary by semester (*Repeatable for credit*)
 - ~ PSYC-314: Undergraduate Research
 - ~ PSYC-481: Advanced Special Topics in Psychology/Topics vary by semester (*Repeatable for credit*)
 - ~ *Clinical Psychology* (one course, 3 credits):
 - ~ PSYC-206: Theories of Personality
 - ~ PSYC-217: Abnormal Psychology
 - ~ PSYC-223: Theory and Practice of Psychological Counseling
 - ~ PSYC-301: Group Process and Leadership
 - ~ *Developmental Psychology* (one course, 3 credits):
 - ~ PSYC-103: Psychology of Child Development
 - ~ PSYC-250: Adolescence/Adulthood and Aging
 - ~ *Experimental Psychology* (one course, 3 credits):
 - ~ PSYC-207: Introduction to Cognitive Psychology
 - ~ PSYC-210: Physiology of Behavior
 - ~ PSYC-211: Sensation and Perception
 - ~ PSYC-230: Drugs and Behavior
 - ~ PSYC-240: Psychology of Health, Stress and Coping
 - ~ PSYC-260: Theories of Learning
- ~ One additional course (3 credits) chosen by the student from any of the above *Content Areas*.

Combined BA/MS in Psychology/MS in Counseling Psychology

The *BA in Psychology/MS Program in Counseling Psychology* provides the opportunity for exceptionally qualified students to work on a bachelor's degree and a master's degree simultaneously. This program allows study at undergraduate and graduate levels in a parallel format, creating a rewarding and challenging program to focused, qualified students. Students accepted into the program may take graduate courses after completing 90 academic credits on the undergraduate level. In order to earn the 90 credits, students will most likely need to take summer courses and/or an overload of credits during the academic year. Psychology majors interested in the program should set up an appointment with the Coordinator no later than the end of their second semester of enrollment at the College to discuss their interest in pursuing the BA/MS program. Coordinator: Dr. Lynn Brandsma, Room 3, St. Joseph Hall. Telephone: 215.248.7049. Email: brandsmal@chc.edu.

Students meeting the following criteria may be formally admitted to the program:

- ~ Completion of a minimum of 90 undergraduate credits (a minimum of 30 academic credits completed at Chestnut Hill College)
- ~ A Career GPA of 3.20 or above
- ~ Completion of at least 24 credits in Psychology courses including PSYC-101, PSYC-206, and PSYC-217
- ~ A minimum GPA of 3.50 in Psychology classes with no Psychology course grade lower than B-

~ Formal acceptance into the School of Graduate Studies.

Due to the nature of the program, a specialized course plan will be developed with each student on an individual basis. Students who appear to be qualified to pursue application to the program will be advised of appropriate course scheduling and admission requirements by the Coordinator. Students who do not appear to be on track to meet the admission requirements will be so advised.

Minimum Academic Credits required for the BA: 120

Minimum Academic Credits required for the MS: 48

RELIGIOUS STUDIES and PHILOSOPHY

MARIE A. CONN, PHD, PROFESSOR OF RELIGIOUS STUDIES
~ CHAIR OF THE RELIGIOUS STUDIES AND PHILOSOPHY DEPARTMENT
CAROLYNNE ERVIN, MA, INSTRUCTOR OF RELIGIOUS STUDIES
MARYKAY FLANNERY, SSJ, DMIN, ASSISTANT PROFESSOR OF RELIGIOUS STUDIES
WILLIAM A. LAUNGER, PHD, ASSISTANT PROFESSOR OF PHILOSOPHY
CATHERINE LOOKER, SSJ, DMIN, ASSISTANT PROFESSOR OF RELIGIOUS STUDIES
PATRICK J. MCCAULEY, PHD, ASSISTANT PROFESSOR OF RELIGIOUS STUDIES
CATHERINE T. NERNEY, SSJ, PHD, ASSOCIATE PROFESSOR OF RELIGIOUS STUDIES
MARY ELLEN O'DONNELL, PHD, ASSISTANT PROFESSOR OF RELIGIOUS STUDIES

Religious Studies

Chestnut Hill College offers minors in Religious Studies with a Certificate in Religious Education; Religious Studies and Philosophy; Philosophy; and Peace and Justice Studies, an interdisciplinary minor. A Certificate in Religious Education for teachers and religious educators in parishes or parochial schools is also available as a standalone program; students who complete a Religious Studies minor earn the certificate automatically. Students who choose to pursue a minor in Religious Studies; Religious Studies and Philosophy; or Philosophy must complete an application form and confer with a faculty advisor. These forms may be obtained from Dr. Patrick McCauley, Room 370, Fournier Hall. Those who choose to pursue the interdisciplinary minor in Peace and Justice Studies may obtain the form from Dr. Marie Conn, Room 206, St. Joseph Hall. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minors and Certificate.

Department Mission

The Department of Religious Studies and Philosophy embraces the Mission and Core Values of the College. Courses foster an attitude of concern for all people, which, in turn, encourages students to become involved with service-oriented initiatives; to address issues of social justice; and to work towards systemic change.

Religious Studies courses provide an opportunity for students to examine the nature of religious experience and belief. This exploration occurs within a theological framework designed to enable students to understand and articulate the central elements of the Judeo-Christian faith tradition. At the same time, department members promote serious and critical conversation with students between this faith tradition and the questions and concerns arising from their lived experience and the needs of the world today. Students are also encouraged to investigate other religious traditions that provide a spiritual depth to the reality of the human experience.

Theta Alpha Kappa, the National Honor Society for Religious Studies and Theology, was established in 1976 for the purpose of recognizing the academic achievements of religion and theology students and the academic excellence of scholars in these fields. Induction into Theta Alpha Kappa requires nomination by the local Alpha Nu chapter; a GPA of at least 3.50 in RLST-Religious Studies courses; and a Career GPA of at least 3.00.

Course Options/Core Requirements for All Students

An undergraduate student fulfills the Religious Studies requirement of the Core by successfully completing two Religious Studies courses. The first is *RLST-104: The Religious Imagination*, and the second course is any Religious Studies course at the 200-level. Students of all religious traditions and those who are unaffiliated with a particular tradition are welcome in any class. All courses seek to give students the opportunity to explore the nature of belief as they seek to find meaning in their lives. Students explore human history in its unfolding; the needs of the world's peoples; the tenets of Catholic Social Tradition; and the demands of moral decision-making. A welcoming environment is created where students feel safe to explore their own questions; admit to doubts; and develop the spiritual dimension of life.

Religious Traditions:

- ~ RLST-206: World Religions
- ~ RLST-207: Contemporary Christian Living
- ~ RLST-208: What Catholics Believe

Scripture Studies:

- ~ RLST-209: Old Testament Studies
- ~ RLST-210: New Testament Studies
- ~ RLST-211: Women in the Bible

Morality and Justice:

- ~ RLST-216: Fundamental Moral Theology
- ~ RLST-217: Contemporary Moral Issues
- ~ RLST-218: Biomedical Moral Issues
- ~ RLST-240: Introduction to Social Justice
- ~ RLST-242: Women in Society and Religion
- ~ RLST-245: Catholic Social Tradition

Doctrine and History:

- ~ RLST-219: Theology of God
- ~ RLST-220: Forgiveness and Reconciliation
- ~ RLST-225: Catechesis and Religious Development
- ~ RLST-241: Models and Mentors in Christian Tradition
- ~ RLST-244: Global Theology and the Cry for Justice

Liturgy and Spirituality:

- ~ RLST-222: Marriage and Family
- ~ RLST-226: The Meaning of Death and Dying
- ~ RLST-234: Sacraments and Spirituality
- ~ RLST-235: Spirituality: A Life Journey

Interdisciplinary (student must register for both courses in the same semester/6 credits total):

- ~ RLST-250: Heart of the City/RLST
- ~ SOCI-250: Heart of the City/SOCI

Minor in Religious Studies with a Certificate in Religious Education – 18 credits

The minor in Religious Studies/Certificate in Religious Education provides students a cross-section of theological topics intended to deepen their theological literacy and scholarship. Students who minor in Religious Studies work under the guidance of a member of the department. Please contact Dr. Patrick McCauley, Room 370, Fournier Hall. Telephone: 215/753-3657. Email: mccauleyp@chc.edu. *Requirements:*

- ~ RLST-104: The Religious Imagination
- ~ Five 200-level Religious Studies courses (15 credits) chosen from the listing above. It is recommended but not required that the student take at least one course from each of the subject areas.

Certificate in Religious Studies – 18 credits

The Certificate in Religious Studies, designed for teachers and religious educators in parishes or parochial schools, is issued to students completing the minor in Religious Studies and is also available to any non-matriculated students wishing to earn the Certificate for personal or professional reasons. Please contact Dr. Patrick McCauley, Room 370, Fournier Hall. Telephone: 215/753-3657. Email: mccauleyp@chc.edu. Non-matriculated students should contact the Office of the Registrar for registration assistance. Phone: 215.248-7005. Fax: 215.242-7714. Email: registrar@chc.edu. *Requirements:*

- ~ RLST-104: The Religious Imagination
- ~ Five 200-level Religious Studies courses (15 credits) chosen from the listing above. It is recommended but not required that the student take at least one course from each of the subject areas.

Peace and Justice

Minor in Peace and Justice Studies - 18 Credits

The goal of this interdisciplinary minor is to ground students in issues of peace and justice through increased knowledge in areas such as non-violent social change, conflict resolution, and economic justice. Courses are chosen in consultation with a faculty advisor and at least one of the courses (3 credits) must have a service learning component. For information and assistance, please contact Marie Conn, Room 206, St. Joseph Hall. Telephone: 215.248.7044.

Email: connm@chc.edu. *Requirements:*

- ~ RLST-240: Introduction to Social Justice
- ~ RLST-245: Catholic Social Tradition
- ~ Four courses (12 credits) chosen from the following, which may not be offered every semester and may have additional

Pre-Requisites:

- ~ ARTS-220: Intermediate Art by Heart
- ~ ARTH-201: Historical Survey of Women Artists (*WOK: Artistic*)
- ~ ARTH-280: The Art of Black Africa (*WOK: Artistic*)
- ~ BUSN-102: Business Ethics (*WOK: Behavioral*)
- ~ CRJU-122: Introduction to Criminal Justice (*WOK: Behavioral*)
- ~ CRJU-210/SOCI-210: Gender and the Law (*WOK: Behavioral*)
- ~ CRJU-220: Juvenile Justice (*WOK: Behavioral*)

- ~ CRJU-325: Restorative Justice (*WOK: Behavioral*)
- ~ CMSC-280: CS History, Trends & Ethical Issues (*Writing Intensive*)
- ~ COMM-275: Persuasive Methods
- ~ ENGL-251: African American Writers (*WOK: Literary*)
- ~ HIST-228: Women in Modern European Society (*WOK: Historical*)
- ~ HIST-231: History of Am Foreign Relations (*WOK: Historical*)
- ~ HIST-233: America and the Two World Wars (*WOK: Historical*)
- ~ HIST-236: Progressive America: 1900-1940 (*WOK: Historical*)
- ~ HIST-247: African Americans During the Age of Slavery (*WOK: Historical*)
- ~ HIST-248: African Americans Since Emancipation (*WOK: Historical*)
- ~ HIST-322: Genocide in the Modern World (*WOK: Historical and Writing Intensive*)
- ~ HIST-330: Revolution/War/Peace: Women's Activism in the Modern World (*WOK: Historical and Writing Intensive*)
- ~ HIST-332: Cities and Suburbs (*WOK: Historical*)
- ~ HSVC-105: Introduction to Human Services (*WOK: Behavioral*)
- ~ HSVC-219: Child Welfare
- ~ HSVC-356: Social Welfare Policy (*WOK: Behavioral*)
- ~ HSVC-250 and SOCI-250: Heart of the City (*WOK: Behavioral*)
- ~ MUSC-107: Native Peoples of North America (*WOK: Artistic*)
- ~ PHIL-110: Introduction to Philosophy: World Views (*WOK: Problem Solving and Writing Intensive*)
- ~ PSCI-140: Introduction to World Politics (*WOK: Behavioral*)
- ~ PSCI-214: Constitutional Law: Civil Liberties (*WOK: Behavioral*)
- ~ PSYC-109: Psychology of Women (*WOK: Behavioral*)
- ~ PSYC-212: Social Psychology (*WOK: Behavioral*)
- ~ RLST-206: World Religions
- ~ RLST-216: Fundamental Moral Theology
- ~ RLST-217: Contemporary Moral Issues
- ~ RLST-218: Biomedical Moral Issues
- ~ RLST-242: Women in Society and Religion
- ~ RLST-244: Global Theology/The Cry for Justice
- ~ SOCI-103: Social Problems (*WOK: Behavioral*)
- ~ SOCI-104: Major Global Problems (*WOK: Behavioral*)
- ~ SOCI-125: The Family (*WOK: Behavioral*)
- ~ SOCI-126: Gender and Society (*WOK: Behavioral*)
- ~ SOCI-127: Ethnicity (*WOK: Behavioral*)
- ~ SOCI-201: Social Inequality (*WOK: Behavioral*)
- ~ SPAN-231: Introduction to Hispanic Culture I/Spain
- ~ SPAN-232: Introduction to Hispanic Culture II/Latin America
- ~ SPAN-261: Masterpieces of Hispanic Literature I (*Writing Intensive*)
- ~ SPAN-262: Masterpieces of Hispanic Literature II (*Writing Intensive*)
- ~ SPAN-263: Masterpieces of Hispanic Literature III (*WOK: Literary*)

Philosophy

The study of Philosophy invites students to an intensely personal adventure: the pursuit of “the examined life.” By seeking acquaintance with great minds expressed in disciplined argument and in great literature, the Philosophy curriculum stimulates creativity and encourages the student to develop a responsible, thoughtful worldview and a personal value system that can meet the challenges of life in the twenty-first century. For assistance, please contact Dr. Patrick McCauley, Room 370, Fournier Hall. Telephone: 215/753-3657. Email: mccauleyp@chc.edu.

Course Options

Philosophy courses are open to students in any major; students are encouraged to consult with a faculty advisor to correlate their choice of course(s) with their major field of study. Students may choose from the following, which may not be offered every semester:

- ~ PHIL-109: Philosophical Thinking (*WOK: Problem Solving*)
- ~ PHIL-110: Introduction to Philosophy: World Views (*WOK: Problem Solving and Writing Intensive*)
- ~ PHIL-120: 19th and 20th Century Philosophers
- ~ PHIL-124: Introduction to American Philosophy (*WOK: Problem Solving*)
- ~ PHIL-128: Introduction to Symbolic Logic (*WOK: Problem Solving*)
- ~ PHIL-209: Philosophical Thinking
- ~ PHIL-201: Existence
- ~ PHIL-203: Philosophy and Literature
- ~ PHIL-207: History and Philosophy of Science
- ~ PHIL-212: Introduction to Philosophy: Ethics (*WOK: Problem Solving and Writing Intensive*)

- ~ PHIL-215: Philosophy/Religion/Eastern World
- ~ PHIL-222: Introduction to Philosophy Ethics
- ~ PHIL-224: Introduction to Ethics and the Environment (*Writing Intensive*)

Minor in Philosophy— 18 credits

Students who minor in Philosophy work under the guidance of a member of the department. For assistance, please contact Dr. Patrick McCauley, Room 370, Fournier Hall. Telephone: 215/753-3657. Email: mccauleyp@chc.edu.

Requirements:

- ~ Six courses (18 credits) in PHIL-Philosophy.

Minor in Religious Studies and Philosophy – 18 credits

Students who minor in Religious Studies and Philosophy also work under the guidance of a member of the department. For assistance, please contact Dr. Patrick McCauley, Room 370, Fournier Hall. Telephone: 215/753-3657. Email: mccauleyp@chc.edu. *Requirements:*

- ~ RLST-104: Religion and Culture
- ~ Five additional courses (15 credits) selected with a faculty advisor with at least two of the courses (6 credits) in PHIL-Philosophy.

SOCIOLOGY, CRIMINAL JUSTICE, and HUMAN SERVICES

JOHN KOVACH, PHD, ASSOCIATE PROFESSOR OF SOCIOLOGY

~ CHAIR OF THE SOCIOLOGY, CRIMINAL JUSTICE, AND HUMAN SERVICES DEPARTMENT

LAUREN BARROW, PHD, ASSISTANT PROFESSOR OF CRIMINAL JUSTICE

NANCY DECESARE, IHM, PHD, ASSOCIATE PROFESSOR OF HUMAN SERVICES

MARY ELLEN HIGGINS, IHM, MSW, MA, INSTRUCTOR OF HUMAN SERVICES AND SOCIOLOGY

BARBARA A. HOGAN, PHD, ASSOCIATE PROFESSOR OF HUMAN SERVICES

SARA ELLEN KITCHEN, JD, PROFESSOR OF CRIMINAL JUSTICE

Chestnut Hill College offers a Bachelor of Science (BS) in Sociology; a Bachelor of Science (BS) in Criminal Justice, and a Bachelor of Science (BS) in Human Services. Also offered is the combination BS in Human Services/MS in Human Services Administration. Minors are available in Sociology, Criminal Justice, Human Services, Women's Studies and Gerontology. Interested students should contact John Kovach, Third Floor, Fournier Hall. Telephone: 215.248-7192. Email: kovachj@chc.edu.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor.

Departmental Mission

The goal of the Department of Sociology, Criminal Justice, and Human Services is to provide students a distinctive academic program that prepares them for immediate employment in related fields and/or admission to graduate programs or professional schools.

Through active, reflective learning, including opportunities for internships and other forms of experiential education, coursework empowers students to connect theory and practice, and to value the diversity of persons, perspectives, and cultures encountered in workplaces and communities. Courses are designed to prepare students to think critically and creatively about issues of social justice and social change, and to appreciate each person's potential to contribute to a more just and humane world in the midst of profound societal changes.

Honors

Outstanding students may be invited to participate in the Departmental Honors program. Sophomores of high scholastic standing (a Career GPA of 3.50 or higher) may be invited by their major department to stand for Honors in their Junior and Senior years. The Departmental Honors program provides an opportunity for independent study and research culminating in an Honors thesis submitted in the spring of Senior year. All students who have successfully completed the Honors Program will be recognized with Honors in their major field at the annual Honors Convocation and on their academic transcripts. In addition, the title of the completed Honors Thesis will appear on the academic transcript.

Course Options

In addition to courses for majors, there are many courses open to students of any major wishing to fulfill the Behavioral *Ways of Knowing* or are interested in exploring personal interests without committing to a minor. The following are open to any undergraduate student meeting the Pre-Requisites— check the course descriptions for additional information:

Sociology

- ~ SOCI-101: Introduction to Sociology (*WOK: Behavioral*)
- ~ SOCI-102: Sociology Through Film (*WOK: Behavioral*)
- ~ SOCI-103: Social Problems (*WOK: Behavioral*)
- ~ SOCI-104: Major Global Problems (*WOK: Behavioral*)
- ~ SOCI-114: Social Gerontology (*WOK: Behavioral*)
- ~ SOCI-125: The Family (*WOK: Behavioral*)
- ~ SOCI-126: Gender and Society (*WOK: Behavioral*)
- ~ SOCI-127: Ethnicity (*WOK: Behavioral*)
- ~ SOCI-128: Rights, Responsibilities and Reform (*WOK: Behavioral*)
- ~ SOCI-200: World Justice and Care for Children (*WOK: Behavioral*)
- ~ SOCI-210: Gender and the Law (*WOK: Behavioral*)
- ~ SOCI-211: Environmental Law (*WOK: Behavioral*)

- ~ SOCI-215: Sociology of Death (*WOK: Behavioral*)
- ~ SOCI-216: Sociology of Health and Medicine (*WOK: Behavioral*)
- ~ SOCI-250: Heart of the City/SOCI with HSVC-250: Heart of the City/HSVC (*WOK: Behavioral*)
- ~ SOCI-255: Culture and Society
- ~ SOCI-281: Special Topics in Sociology/Topics vary by semester (*Repeatable for credit*)
- ~ SOCI-300: Sociological Theory (*Writing Intensive*)
- ~ SOCI-481: Advanced Special Topics in Sociology/Topics vary by semester (*Repeatable for credit*)
- ~ SOCI-490: Independent Study in Sociology (*Repeatable for credit*)

Criminal Justice

- ~ CRJU-122: Introduction to Criminal Justice (*WOK: Behavioral*)
- ~ CRJU-200: World Justice and Care for Children (*WOK: Behavioral*)
- ~ CRJU-223: Criminal Law (*WOK: Behavioral*)
- ~ CRJU-225: Criminal Procedure (*WOK: Behavioral*)
- ~ CRJU-210: Gender and the Law (*WOK: Behavioral*)
- ~ CRJU-220: Juvenile Justice (*WOK: Behavioral*)
- ~ CRJU-224: Criminal Investigation
- ~ CRJU-226: Deviance and Social Control (*WOK: Behavioral*)
- ~ CRJU-227: Corrections (*WOK: Behavioral*)
- ~ CRJU-230: Juvenile Delinquency (*WOK: Behavioral*)
- ~ CRJU-245: Inside-Out
- ~ CRJU-281: Special Topics in Sociology/Topics vary by semester (*Repeatable for credit*)
- ~ CRJU-321: Criminology (*WOK: Behavioral*)
- ~ CRJU-481: Advanced Special Topics in Criminal Justice/Topics vary by semester (*Repeatable for credit*)
- ~ CRJU-490: Independent Study in Criminal Justice (*Repeatable for credit*)

Human Services

- ~ HSVC-105: Introduction to Human Services (*WOK: Behavioral*)
- ~ HSVC-219: Child Welfare
- ~ HSVC-250: Heart of the City/HSVC with SOCI-250: Heart of the City/SOCI (*WOK: Behavioral*)
- ~ HSVC-257: Human Behavior and the Social Environment
- ~ HSVC-281: Special Topics in Human Services/Topics vary by semester (*Repeatable for credit*)
- ~ HSVC-322: Disability and Society: Introduction to Disability Studies Seminar (*WOK: Behavioral*)
- ~ HSVC-481: Advanced Special Topics in Human Services/Topics vary by semester (*Repeatable for credit*)
- ~ HSVC -490: Independent Study in Human Services (*Repeatable for credit*)

Sociology

Major in Sociology – 30 credits

Required in the Major:

- ~ SOCI-101: Introduction to Sociology (*WOK: Behavioral*)
- ~ SOCI-201: Social Inequality
- ~ SOCI-300: Sociological Theory (*Writing Intensive*)
- ~ SOCI-302: Social Science Research Methods (*Writing Intensive*)
- ~ SOCI-498: Senior Seminar in Sociology
- ~ Five additional courses (15 credits) as electives in Sociology* chosen from the following, which may not be offered every semester:
 - ~ SOCI-102: Sociology Through Film
 - ~ SOCI-103: Social Problems
 - ~ SOCI-104: Major Global Problems
 - ~ SOCI-114: Social Gerontology
 - ~ SOCI-125: The Family
 - ~ SOCI-126: Gender and Society
 - ~ SOCI-127: Ethnicity
 - ~ SOCI-128: Rights, Responsibilities and Reform
 - ~ SOCI-200: World Justice and Care for Children
 - ~ SOCI-210: Gender and the Law
 - ~ SOCI-211: Environmental Law
 - ~ SOCI-215: Sociology of Death
 - ~ SOCI-216: Sociology of Health and Medicine
 - ~ SOCI-250: Heart of the City/SOCI with HSVC-250: Heart of the City/HSVC
 - ~ SOCI-281: Special Topics in Sociology/Topics vary by semester (*Repeatable for credit*)
 - ~ SOCI-481: Advanced Special Topics in Sociology/Topics vary by semester (*Repeatable for credit*)

~ SOCI-490: Independent Study in Sociology (*Repeatable for credit*)

* Criminal Justice and Human Services courses may also satisfy this requirement; an advisor will assist in choosing appropriate courses.

Sample Bachelor of Science: Sociology Major /selected minor (declaration of minor not required for graduation):

Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16	Year Two Fall – 15	Year Three Fall – 14	Year Four Fall – 15
ENGL-101 RLST-104 SOC1-101 or 103 Language 103 WOK or elective FYIN-100*	GLST-201 SOC1 elective SOC1-201 WOK or elective WOK or elective FYIN-101*	SOCI-300 (WI) SOC1 elective Minor #1 or elective WOK or elective (4 cr) Elective (1 cr)	SOCI elective Minor #4 or elective Minor #5 or elective WOK or elective WOK or elective
Year One Spring – 15/16	Year Two Spring – 15/16	Year Three Spring – 16	Year Four Spring – 15
SOCI elective ILAR-101 WOK or elective WOK or elective PHED #1* Swim Test *	ETHS-201 RLST-2XX SOC1 elective WOK or elective WOK or elective PHED #2*	PSPK-101 (1 cr) SOC1-302 (WI) Minor #2 or elective Minor #3 or elective WOK or elective WOK or elective	SOCI-498 Minor #6 or elective WOK or elective WOK or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Sociology – 18 credits

Requirements:

- ~ SOCI-101: Introduction to Sociology (*WOK: Behavioral*)
- ~ SOCI-201: Social Inequality
- ~ SOCI-302: Social Science Research Methods (*Writing Intensive*)
- ~ Three courses (9 credits) as electives in Sociology* chosen from the following, which may not be offered every semester and may have Pre-Requisites:
 - ~ SOCI-102: Sociology Through Film
 - ~ SOCI-103: Social Problems
 - ~ SOCI-104: Major Global Problems
 - ~ SOCI-114: Social Gerontology
 - ~ SOCI-125: The Family
 - ~ SOCI-126: Gender and Society
 - ~ SOCI-127: Ethnicity
 - ~ SOCI-128: Rights, Responsibilities and Reform
 - ~ SOCI-200: World Justice and Care for Children
 - ~ SOCI-210: Gender and the Law
 - ~ SOCI-211: Environmental Law
 - ~ SOCI-215: Sociology of Death
 - ~ SOCI-216: Sociology of Health and Medicine
 - ~ SOCI-250: Heart of the City/SOCI with HSVC-250: Heart of the City/HSVC
 - ~ SOCI-281: Special Topics in Sociology/Topics vary by semester
 - ~ SOCI-481: Advanced Special Topics in Sociology/Topics vary by semester
 - ~ SOCI -490: Independent Study in Sociology (*Repeatable for credit*)

* Criminal Justice and Human Services courses may also satisfy this requirement; an advisor will assist in choosing appropriate courses.

Criminal Justice

Major in Criminal Justice – 45 credits

Required in the Major:

- ~ CRJU-122: Introduction to Criminal Justice (*WOK: Behavioral*)
- ~ CRJU-223: Criminal Law
- ~ CRJU-225: Criminal Procedure
- ~ CRJU-321: Criminology
- ~ CRJU-325: Restorative Justice
- ~ CRJU-401: Internship in Criminal Justice

- ~ CRJU-498: Senior Seminar in Criminal Justice
- ~ SOCI-201: Social Inequality
- ~ SOCI-302: Social Science Research Methods (*Writing Intensive*)
- ~ Five additional courses (15 credits) in Criminal Justice * chosen from the following, which may not be offered every semester:
 - ~ CRJU-200: World Justice and Care for Children
 - ~ CRJU-201: Crime and Punishment through Film
 - ~ CRJU-210: Gender and the Law
 - ~ CRJU-220: Juvenile Justice
 - ~ CRJU-224: Criminal Investigation
 - ~ CRJU-226: Deviance and Social Control
 - ~ CRJU-227: Corrections
 - ~ CRJU-230: Juvenile Delinquency
 - ~ CRJU-245: Inside-Out
 - ~ CRJU-281: Special Topics in Sociology/Topics vary by semester (*Repeatable for credit*)
 - ~ CRJU-481: Advanced Special Topics in Criminal Justice/Topics vary by semester (*Repeatable for credit*)
 - ~ CRJU-490: Independent Study in Criminal Justice (*Repeatable for credit*)
- ~ Choice of:
 - ~ SOCI-101: Introduction to Sociology
 - OR
 - ~ SOCI-103: Social Problems

Recommended, but not required:

- ~ CHEM-106: Introduction to Forensic Science (4 credits) (*WOK: Scientific*)

* Sociology and Human Services courses may also satisfy this requirement; an advisor will assist in choosing appropriate courses.

Sample Bachelor of Science: Criminal Justice Major /selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16	Year Two Fall – 15/16	Year Three Fall – 14	Year Four Fall – 16
CRJU-122 ENGL-101 RLST-104 Language 103 WOK or elective FYIN-100*	CRJU-223 GLST-201 SOCI-201 CRJU elective WOK or elective FYIN-101*	CRJU-321 RLST-2XX PSPK-101 (1 cr) Minor #1 or elective WOK or elective (4 cr)	CRJU-498 Minor #4 or elective Minor #5 or elective WOK or elective WOK or elective Elective (1 cr)
Year One Spring – 15/16	Year Two Spring – 15/16	Year Three Spring – 15	Year Four Spring – 15
CRJU elective ILAR-101 SOCI-101 or 103 WOK or elective WOK or elective PHED #1* Swim Test*	CRJU-225 ETHS-201 CRJU elective WOK or elective WOK or elective PHED #2*	SOCI-302 (WI) CRJU elective Minor #2 or elective Minor #3 or elective WOK or elective	CRJU-325 CRJU elective Minor #6 or elective WOK or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Criminal Justice – 18 credits

Requirements:

- ~ CRJU-122: Introduction to Criminal Justice (*WOK: Behavioral*)
- ~ CRJU-223: Criminal Law (*WOK: Behavioral*)
- ~ CRJU-225: Criminal Procedure
- ~ CRJU-321: Criminology
- ~ CRJU-401: Internship in Criminal Justice
- ~ Choice of:
 - ~ SOCI-101: Introduction to Sociology
 - OR
 - ~ SOCI-201: Social Inequality

Human Services

Major in Human Services – 45 credits

Required in the Major:

- ~ HSVC-105: Introduction to Human Services (*WOK: Behavioral*)
- ~ HSVC-257: Human Behavior and the Social Environment
- ~ HSVC-303: Human Services Fieldwork with Seminar I
- ~ HSVC-308: Theory and Practice of Counseling in Human Services
- ~ HSVC-356: Social Welfare Policy
- ~ HSVC-358: Human Service Methods
- ~ HSVC-399: Administration of Human Services
- ~ HSVC-403: Human Services Fieldwork with Seminar II
- ~ HSVC-498: Senior Seminar in Human Services
- ~ PSYC-101: General Psychology
- ~ SOCI-201: Social Inequality
- ~ SOCI-302: Social Science Research Methods (*Writing Intensive*)
- ~ Two additional courses (6 credits) as electives in Human Services* chosen from the following, which may not be offered every semester:
 - ~ HSVC-219: Child Welfare
 - ~ HSVC-250: Heart of the City/HSVC with SOCI-250: Heart of the City/SOCI
 - ~ HSVC-281: Special Topics in Human Services/Topics vary by semester (*Repeatable for credit*)
 - ~ HSVC-322: Disability and Society: Introduction to Disability Studies Seminar
 - ~ HSVC-481: Advanced Special Topics in Human Services/Topics vary by semester (*Repeatable for credit*)
 - ~ HSVC -490: Independent Study in Human Services (*Repeatable for credit*)
- ~ Choice of:
 - ~ SOCI-101: Introduction to Sociology
 - OR
 - ~ SOCI-103: Social Problems

* Courses in either Criminal Justice or Sociology may also satisfy this requirement; an advisor will assist with choosing these courses.

Sample Bachelor of Science: Human Services Major/selected minor (declaration of minor not required for graduation): Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15	Year Three Fall – 16	Year Four Fall – 15/16*
ENGL-101 HSVC-105 RLST-104 Language 103 WOK or elective FYIN-100*	GLST-201 HSVC-257 SOCI-201 WOK or elective WOK or elective	ETHS-201 HSVC-303 HSVC-358 Minor #1 or elective Minor #2 or elective Elective (1 cr)	HSVC-399 HSVC-403 Minor #4 or elective Minor #5 or elective WOK or elective FYIN-101* with Fieldwork
Year One Spring – 15/16*	Year Two Spring – 13/14*	Year Three Spring – 16	Year Four Spring – 15
ILAR-101 PSYC-101 SOCI-101 or 103 WOK or elective PHED #1* Swim Test*	HSVC-308 RLST-2XX HSVC elective WOK or elective (4 cr) PHED #2*	PSPK-101 (1 cr) SOCI-302 (WI) HSVC elective Minor #3 or elective WOK or elective WOK or elective	HSVC-356 HSVC-498 Minor #6 or elective WOK or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

Minimum Academic Credits required for graduation: 120

Minor in Human Services – 18 credits

Requirements:

- ~ HSVC-105: Introduction to Human Services (*WOK: Behavioral*)
- ~ HSVC-257: Human Behavior and the Social Environment (*WOK: Behavioral*)
- ~ HSVC-308: Theory and Practice of Counseling in Human Services
- ~ HSVC-356: Social Welfare Policy
- ~ HSVC-358: Human Service Methods
- ~ HSVC-401: Human Services Internship

Combined BS in Human Services/MS in Administration of Human Services Program

The combined BS/MS program provides an excellent opportunity for qualified Human Services majors in the School of Undergraduate Studies to complete a Master of Science (MS) in Administration of Human Services in the School of Graduate Studies.

A minimum Career GPA of 2.00 and a minimum Major GPA of 2.00 are required for graduation. Courses *Required in the Major* comprise the Major GPA. Unless indicated, students must earn a grade of C- (1.70) or better in courses both *Required in the Major* and *Also Required* in order to successfully complete the requirements for the Major.

Students majoring in Human Services are eligible to apply to the combined degree program once they have successfully completed 90 credits. Students who transferred to the College must take a minimum of 15 credits in residence and earn a Career 3.00 GPA to be eligible to apply.

Each student will be expected to meet the admissions requirements of the School of Graduate Studies. Students will be provisionally accepted into the program with formal acceptance granted upon verification of successful completion of the undergraduate degree program.

Sample Bachelor of Science/Master of Science: Human Services Major/selected minor (declaration of minor not required for graduation)/MS in Administration of Human Services: Please note that this is a suggested academic plan only, it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the Major.

Year One Fall – 15/16*	Year Two Fall – 15/16*	Year Three Fall – 16	Year Four Fall – 15/16*
ENGL-101 HSVC-105 RLST-104 Language 103 WOK or elective FYIN-100*	GLST-201 HSVC-257 SOCI-201 WOK or elective WOK or elective	ETHS-201 HSVC-303 HSVC-358 Minor #1 or elective Minor #2 or elective Elective (1 cr)	HSVC-399** HSVC-403 Minor #4 or elective Minor #5 or elective WOK or elective FYIN-101* with Fieldwork
Year One Spring – 15/16*	Year Two Spring – 13/14*	Year Three Spring – 16	Year Four Spring – 15
ILAR-101 PSYC-101 SOCI-101 or 103 WOK or elective PHED #1* Swim Test*	HSVC-308 HSVC elective RLST-2XX WOK or elective (4 cr) PHED #2*	SOCI-302 (WI) HSVC elective PSPK-101 (1 cr) Minor #3 or elective WOK or elective WOK or elective	HSVC-356** HSVC-498 Minor #6 or elective WOK or elective WOK or elective

*Non-academic credit – these courses do not apply towards the minimum required for graduation.

**Students in the combined program will be advised that two core courses can be substituted from the graduate course options.

Minimum Academic Credits required for BS: 120

Minimum Academic Credits required for the MS: 33

Gerontology

Minor in Gerontology – 18 credits

The interdisciplinary minor in Gerontology is open to students of any major and is designed to prepare individuals for positions in agencies and institutions that administer health and community-based services for older persons, such as nursing homes, hospitals, senior citizen centers, hospice care, recreation, and counseling services. The program serves to enhance the knowledge base and skills of persons currently engaged in the provision of such services or those who are preparing to work in these areas. The internship experience is developed for each student according to his/her specific interests and career goals. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Interested students should contact Nancy DeCesare, SSJ, Room 202, St. Joseph Hall. Telephone: 215.248-7028. Email: decesaren@chc.edu for information and registration guidance. *Requirements:*

- ~ PSYC-107: Psychology of Adulthood and Aging (*WOK: Behavioral*)
- ~ SOCI-114: Social Gerontology (*WOK: Behavioral*)
- ~ GERO-401: Gerontology Internship
- ~ GERO-498: Gerontology Seminar
- ~ Two additional courses (6 credits) chosen with assistance from the assigned minor advisor.

Women's Studies

Minor in Women's Studies – 18 credits

Chestnut Hill College offers a number of courses that focus on women in a variety of disciplines including Art History, English, Foreign Language, History, Music, Psychology, Religious Studies and Sociology. Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the minor. Contact Lorraine Coons, Room 377, Fournier Hall, or Nancy Porter, Room 14, St. Joseph Hall for assistance with this minor. *Requirements:*

- ~ Six courses (18 credits) chosen in conjunction with an academic advisor from the following, which may not be offered every semester and may have Pre-Requisites:
 - ~ ARTH-201: Historical Survey of Women Artists (*WOK: Artistic*)
 - ~ CRJU-210/SOCI-210: Gender and the Law (*WOK: Behavioral*)
 - ~ GLST-201: Global Awareness Seminar *
 - ~ HIST-106: Survey of Women's History (*WOK: Historical*)
 - ~ HIST-228: Women in Modern European Society (*WOK: Historical*)
 - ~ HIST-330: Revolution/War/Peace: Women's Activism in the Modern World (*WOK: Historical and Writing Intensive*)
 - ~ ILAR-101: Introduction to the Liberal Arts *
 - ~ ENGL-241: Gender and Literature (*WOK: Literary and Writing Intensive*)
 - ~ PSYC-109: Psychology of Women (*WOK: Behavioral*)
 - ~ RLST-211: Women in the Bible
 - ~ RLST-222: Marriage and Family
 - ~ RLST-241: Models/Mentors in Christian Traditions
 - ~ RLST-242: Women in Society and Religion
 - ~ SPAN-362: Hispanic Women Writers (*WOK: Literary*)
 - ~ SOCI-126: Gender and Society (*WOK: Behavioral*)
 - ~ SOCI-201: Social Inequality (*WOK: Behavioral*)

* May be acceptable for the minor depending on the topic. Permission of the minor advisor is required for this course to count for the minor.

Intercultural Foundations

Certificate in Intercultural Foundations – 18 credits (plus non-academic requirements)

The Certificate in Intercultural Foundations is available to students in any major. This program fosters an understanding and appreciation of cultural difference in both domestic and international contexts. The Certificate in Intercultural Foundations responds to the growing need to prepare our students to live and work in an increasingly diverse and globally interconnected world. The program is designed to challenge students at Chestnut Hill College to engage in significant educational and service activities that invite students to immerse themselves in cultural realities that, and interact with people who, are significantly “other” in relation to them. Culture consists of sets of relationships that construct identity (who I/we are in the world), epistemological systems (how I/we know our various world(s) and peoples) and meaning (how I/we are to be in the world and what various world(s) mean to me/us). Students skilled at reading, understanding, responding to and reveling in the cultural flux and mix of our contemporary times will be sought out by institutions and enterprises striving to serve the peoples of the twenty-first century.

Students must earn a grade of C- (1.70) or better in courses required to successfully complete the requirements for the Certificate. Interested students should contact Tia Pratt, Adjunct Coordinator of the Certificate in Intercultural Foundations. Email: prattt@chc.edu. To earn the Certificate a student must complete the six courses that form the program; attend two of three workshops; engage in five fieldwork experiences; and complete a self-assessment project charting one's progress and growth in intercultural awareness through the program, while demonstrating the integration of fieldwork experiences into his/her development as a person able to deal creatively, compassionately and competently in our evermore multi-cultural world.

After completing the course work, workshops and fieldwork experiences, students will be required to submit a five to seven page reflection paper demonstrating their growth in intercultural awareness and appreciation. Special attention will be paid to cultural anthropology's prime methodological procedure, *i.e.*, participant observation, calling on the students to explicate the ways in which personal experience and interactions with persons considered culturally “other” in relation to themselves impacted their experience of the program. The Association of American Colleges and Universities *Intercultural Knowledge and Competence VALUE Rubric* will guide the students in writing the reflection paper. *Academic Requirements:*

- ~ RLST-101: The Religious Imagination
- ~ GLST-201: Global Studies/any topic
- ~ SOCI-255: Culture and Society
- ~ Three courses (9 credits) selected from the following, which may not be offered every semester:
 - ~ COMM-210: Interpersonal Communication

- ~ MGMT-304: Culture in International Business
- ~ PSCI-130: The Rule of Law
- ~ PSCI -230: Introduction to Comparative Politics/Governmental Systems
- ~ PSCI -232: Comparative Democracy
- ~ PSCI -330: Government and Politics of the Middle East
- ~ SOCI-127: Ethnicity
- ~ SOCI-201: Social Inequality
- ~ A course chosen in consultation with the Director

Non-academic requirements:

- ~ ICFC-101: Intercultural Foundations Workshop I (.5 credit)
- ~ ICFC-102: Intercultural Foundations Workshop II (.5 credit)
- ~ ICFC-201: Intercultural Foundations Fieldwork I (.5 credit)
- ~ ICFC-202: Intercultural Foundations Fieldwork II (.5 credit)
- ~ ICFC-203: Intercultural Foundations Fieldwork III (.5 credit)
- ~ ICFC-204: Intercultural Foundations Fieldwork IV (.5 credit)
- ~ ICFC-205: Intercultural Foundations Fieldwork V (.5 credit)
- ~ ICFC-301: Reflection and Self-Assessment (.5 credit)

INTERDISCIPLINARY HONORS PROGRAM

KATHLEEN DUFFY, SSJ, PHD, DIRECTOR

The Interdisciplinary Honors Program (IDHP) challenges highly qualified students to pursue a creatively different approach to the liberal arts. The program offers seminars that promote liberal education by stressing interconnections among different fields of study and by challenging students and faculty alike to learn and to teach. These seminars are reading- and writing-intensive and emphasize discussion, intellectual independence, and integration of knowledge. Interested students should contact Kathleen Duffy, SSJ, Room 4, St. Joseph Hall. Telephone: 215.248.7197. Email: kduffy@chc.edu.

All Honors seminars are co-taught by faculty members from different disciplines and are conducted primarily by group discussion. To insure fresh and appealing choices for all students in the Program, seminars are rotated on a regular basis, and each Honors seminar is offered for a maximum of three years.

The Interdisciplinary Honors Program consists of 21 credits: A 3 credit introductory course fulfills the Writing requirement (*IDHP-200: Writing in the Disciplines*) and three team-taught interdisciplinary year-long seminars fulfill the Writing Intensive, *Ways of Knowing* Perspective (except Scientific) and the Core Seminar requirements. Students must complete all other Core Requirements (Religious Studies – unless the seminar has a religion component, Ethics, and Foreign Language; Computer, Mathematics, and Swim Proficiencies; and Physical Education.) The IDHP and Faculty Advisors will assist students with registration to ensure that requirements are met.

Students not in the Honors Program who would like to take a specific seminar may contact the Director; however, preference is given to students pursuing the complete program.

Interested students may apply for the complete Interdisciplinary Honors Program, or for a single Honors seminar (please note that registration is limited and preference is given to students pursuing the complete program.) For more information, please contact Kathleen Duffy, SSJ, Room 4 St. Joseph Hall. Telephone: 215.248.7197. Email: kduffy@chc.edu.

Students in the IDHP are expected to maintain good academic standing and may be dismissed from the program if expectations are not met. Students dismissed, and those who elect to discontinue participation, from IDHP must follow the Core Curriculum. To that end, IDHP-200 will be considered equivalent to ENGL-101 and students must then enroll in ILAR-101 before taking GLST-201. IDHP seminars may meet *Ways of Knowing* Perspectives. The Office of the Registrar will be able to assist with the appropriate equivalencies.

Sample IDHP program:

Please note that this is a suggested academic plan only; it is not meant to address each student's individual requirements or interests. Students will develop a personalized academic plan with a faculty advisor; however, it is the student's responsibility to be aware of, register for, and successfully complete all of the requirements for graduation in the major.

Year One Fall –	Year Two Fall –	Year Three Fall –
IHDP-200 IHDP Seminar FYIN-100*	IDHP Seminar	IDHP Seminar
Year One Spring –	Year Two Spring -	Year Three Spring –
IDHP Seminar	IDHP Seminar	IDHP Seminar

PHYSICAL EDUCATION

JANICE RENSIMER KUKLICK, MEd, ASSOCIATE PROFESSOR OF PHYSICAL EDUCATION
~CHAIR OF THE PHYSICAL EDUCATION DEPARTMENT

The Physical Education Department offers a program of activities that gives the student an opportunity to develop skills in various aspects of Physical Education as well as improving health and quality of life with physical activity. Please contact Janice Kuklick in the Sorgenti Arena for more information about this program. Telephone: 215.248.7108. Email: jkuklick@chc.edu. Courses are 1 non-academic credit unless indicated.

All PHED-Physical Education and VARS-Varsity Sports courses are Non-academic and the credits do not count towards the minimum required for graduation; however, in order to fulfill the Core requirements for graduation, all students must pass two semesters of Physical Education as well as a Swim Test in the College pool. PHED-Physical Education activities offered vary from semester-to-semester and courses include:

- ~ PHED-108: Body Sculpt
- ~ PHED-113: Fitness Swim
- ~ PHED-115: Beginner Swim
- ~ PHED-117: Karate
- ~ PHED-119: Dancercise/Theme Varies
- ~ PHED-123: Pilates/Fitness Ball/Yoga
- ~ PHED-126: Lifeguarding
- ~ PHED-143: Racquet Sports/Theme Varies
- ~ PHED-145: Aquatics Boot Camp

Participation in a Varsity Sport can be used to meet the Physical Education requirement, provided the student completes the entire season. Courses are non-academic; credits do not count towards the minimum required for graduation. Not all VARS-Varsity Sports are played every semester. Check with the Athletic Department for additional information on the following:

- ~ VARS-100: Varsity Sports Team Participation/Women's Soccer
- ~ VARS-101: Varsity Sports Team Participation/Men's Soccer
- ~ VARS-102: Varsity Sports Team Participation/Women's Tennis
- ~ VARS-103: Varsity Sports Team Participation/Men's Tennis
- ~ VARS-104: Varsity Sports Team Participation/Women's Cross Country
- ~ VARS-105: Varsity Sports Team Participation/Men's Cross Country
- ~ VARS-106: Varsity Sports Team Participation/Women's Volleyball
- ~ VARS-107: Varsity Sports Team Participation/Women's Basketball
- ~ VARS-108: Varsity Sports Team Participation/Men's Basketball
- ~ VARS-109: Varsity Sports Team Participation/Women's Lacrosse
- ~ VARS-110: Varsity Sports Team Participation/Men's Lacrosse
- ~ VARS-111: Varsity Sports Team Participation/Women's Softball
- ~ VARS-112: Varsity Sports Team Participation/Men's Baseball
- ~ VARS-113: Varsity Sports Team Participation/Women's Golf
- ~ VARS-114: Varsity Sports Team Participation/Men's Golf

Personal Training

Personal Training Certification Preparation Program

This program is geared towards students interested in personal training, sports, or the workings of the human body as it relates to movement and exercise. Students may take these courses for interest, to fulfill a Scientific *Ways of Knowing*, and/or to prepare for certification for personal training through the National Council of Strength and Fitness. Course offerings may vary from semester-to-semester.

- ~ PTCP-116: Functional Body Works (4 credits) (*WOK: Scientific*)
- ~ PTCP-117: Science of Exercise (4 credits) (*WOK: Scientific*)
- ~ PTCP-118: Personal Training Concepts (4 credits) (*WOK: Scientific*)

Chestnut Hill College Directory

For a listing of all College faculty and staff with contact information, please see the College website.

OFFICE OF THE PRESIDENT	
PRESIDENT	Carol Jean Vale, SSJ, PhD
Executive Assistant to the President	Regina Bernhardt, AS
Assistant to the President for Administration and Special Projects	Kathryn Miller, SSJ, PhD
Assistant to the President for Mission and Ministry	Mary Darrah, SSJ, MA
Chaplain	Rev. Raymond Tribuiani, MDiv
Director of Campus Ministry	Mindy Welding, IHM, MA, MS
Assistant Director of Campus Ministry	Michelle Leshner, SSJ, BA
OFFICE OF ACADEMIC AFFAIRS	
VICE PRESIDENT FOR ACADEMIC AFFAIRS and DEAN OF THE FACULTY	Kenneth J. Soprano, PhD
Executive Assistant to the Vice President	Donna T. Smith, BA
Dean of the School of Undergraduate Studies (SUS)	Cecelia J. Cavanaugh, SSJ, PhD
Assistant to the Dean	Kathleen Letts, SSJ, MS, MA
Administrative Assistant to the Dean	Susanne Harkins
Director of Academic Advising	Gale Carlin, MS
Director of Music	Kathleen McCloskey, SSJ, MMEd
Director of Student Learning Services	Leslie Wilson, MA
<i>Undergraduate Studies Department Chairs/Program Directors</i>	
Chair of Religious Studies and Philosophy	Marie Conn, PhD
Chair of History and Political Science	Lorraine Coons, PhD
Chair of Education	Carol Pate, PhD
Chair of Sociology, Human Services and Criminal Justice	John Kovach, PhD
Acting Chair of Business	Garry Flower, MBA, CPA
Chair of Foreign Language and Literature	Mary Helen Kashuba, SSJ, DML
Chair of Physical Education	Janice Kuklick, MED
Chair, Division of Natural Sciences and Chair of Biology	Joseph Kulkosky, PhD
Chair of English and Communications	Barbara Lonquist, PhD
Chair of Art, Art History, and Music	Kathleen McCloskey, SSJ, MMEd
Chair of Computer Science and Information Technology	Lisa Olivieri, SSJ, PhD
Coordinator of Undergraduate Education	Margery Covello, EdD
Director of the Interdisciplinary Honors Program	Kathleen Duffy, SSJ, PhD
Coordinator of Undergraduate Psychology	Meredith Kneavel, PhD
Coordinator of Communications	Kimberly Leahy, PhD
Coordinator of Writing Program	Keely McCarthy, PhD
Vice Chair, Division Natural Sciences/Director of Chemistry and Physics	Kelly Butler, PhD
Coordinator of Mathematics	Merilyn Ryan, SSJ, PhD
Coordinator of Global Studies	Jacqueline Reich, PhD
Coordinator of Introduction to the Liberal Arts (ILAR)	Kathleen Szpila, SSJ, PhD
Dean of the School of Continuing and Professional Studies (SCPS)	Elaine R. Green, EdD
Director of ACCELERATED Programs	Walter Childs, MBA
Dean of the School of Graduate Studies	Steven Guerriero, PhD

Assistant to the Dean	MaryBeth R. O'Neill, MS
<i>Graduate Program Chairs</i>	
Chair of Division of Psychology and Director of the Psy.D Program	Joseph A. Micucci, PhD, ABPP
Chair of Education	Carol M. Pate, EdD
Chair of Holistic Spirituality Programs	Marie A. Conn, PhD
Coordinator of Holistic Spirituality and Spiritual Direction Practicum	Carolynne Ervin, MA
Coordinator of Administration of Human Services	Elaine R. Green, EdD
Coordinator of Administration of Human Services	Barbara Hogan, PhD
Coordinator of Masters Program in Clinical and Counseling Psychology	David Borsos, PhD
Administrator of Clinical and Counseling Psychology/DeSales University	Jennifer Bradley, PhD
Coordinator of Instructional Technology	Ralph Swan, PhD
Dean for Library and Information Resources	Mary Josephine Larkin, SSJ, MS
Registrar	Deborah A. Ebbert, MA, MS
Assistant Registrar for Academic Data Integrity	Brian Hagermann, BA
Assistant Registrar	Theresa Marshall, BA
Associate Registrar, School of Graduate Studies	Ann McAdams, SSJ, MEd
Associate Registrar, School of Undergraduate Studies	Michael Reig, JD
Assistant to the Registrar, School of Continuing and Professional Studies	Marie Scheetz, AS
Dean for College Enrollment	Jodie King, MS
Director of Technology for College Enrollment and Financial Aid	Brian O'Neill, BS
Acting Director of Admissions, School of Undergraduate Studies	Lori Boccuzzi, MS
Director of Admissions, School of Continuing and Professional Studies	Mary Esther Lee, SSJ, MA
Director of Admissions, School of Graduate Studies	Jayne Mashett, BA
Director of Psy.D Admissions and Assistant to the Chair	Eileen Webb, BA
Director of International Student Services	James McLaughlin, MS
Director of Institutional Research	Patricia O'Donnell, SSJ, PhD
Director of Campus Store	Robert Hughes
OFFICE OF STUDENT LIFE and ATHLETICS	
VICE PRESIDENT FOR STUDENT LIFE	Lynn Ortale, PhD
Assistant to the Vice President	Christina Hopely, MS
Dean of Student Life	Krista Bailey Murphy, MA
Director of Student Activities	Emily Schademan, BA
Assistant Director of Student Activities	Megan Cranney, BS
Director of Parent and Family Relations	Alma Rose Schlosser, SSJ, MM
Director of Residence Life	Jennifer Thorpe, MS
Associate Director of Residence Life	Kerry Rusak, MS
Resident Coordinator	Katherine Bogel, BA
Resident Coordinator	Eric Drinks, BS
Resident Coordinator	Rachel Mingle, BA
Resident Coordinator	Anthony Powell, BS
Director of Career Development	Nancy Dacheille, MEd
Assistant Director of Career Development	Ashley Reichenbach, MA

Director for Service Learning	Ryan P. Murphy, MS
Student Life Assistant	MacKenzie Lovell, BA
Student Life Assistant	Shane McCarthy, BA
Director of Health Services	Shannon Roberts, RN, BS
Director of the Counseling Center	Sheila Kennedy, SSJ, PhD
Counselor	Sandra Bumgardner, PsyD
Counselor	Lisa Johnson, PsyD
Director of Safety and Security	Ray Hallman, MBA
Director of Dining Services	Patrick Flanagan
Director of Housekeeping	Frank Davis
Coordinator of Facilities Rental	Ursula Lavin
Director of Athletics and Recreation	Lynn Tubman, MEd
Assistant Athletic Director/Compliance/SWA/Head Athletic Trainer	Denise Wisniewski, MEd
Assistant Athletic Director/Griffin Camp Coordinator	Albert Stroble, MEd
Assistant Athletic Director/Operations	Jesse Balcer, BS
Assistant Athletic Director/Community Engagemt and Academic Success	Nikki Lockhart, MPA
Head Athletic Trainer/Fitness Center Coordinator	Erin Fidler, MEd
Assistant Athletic Trainer	Mindy D'Auria, MA ATC
Athletic Communications/Community Outreach Coordinator	Greg Gornick, BS
OFFICE OF INFORMATION TECHNOLOGY	
VICE PRESIDENT FOR INFORMATION TECHNOLOGY and CHIEF INFORMATION OFFICER	George P. McKenna, PhD
Help Desk Coordinator/Administrative Assistant to the Vice President	Kristen Dittrich, MS
Director of Technical Services	Paul Suarez, MA
OFFICE OF FINANCIAL AFFAIRS	
VICE PRESIDENT FOR FINANCIAL AFFAIRS	Lauri Strimkovsky, MBA
Executive Assistant to the Vice President	Marjorie Keenan, SSJ, MA
Controller	Michael Gavanus, MBA
Bursar	Jackie Kendis, BBA
Director of Human Resources	Michele Mocarsky, BA, PHR
Director of Financial Aid	Nicholas Flocco, MBA
Associate Director of Financial Aid	Kristina Wilhelm-Nelson, MS
Associate Director of Financial Aid	Melissa Dunn, MS
Director of Facilities	Mark McGrath
OFFICE OF INSTITUTIONAL ADVANCEMENT	
VICE PRESIDENT FOR INSTITUTIONAL ADVANCEMENT	Kenneth M. Hicks, MBA
Executive Assistant to the Vice President	Barbara Reiter, MS
Director of Advancement Services	Joseph A. Martino, MBA
Director of Alumni Relations	Patricia M. Canning, MA
Director of Development	Catherine E. Quinn, MA
Director of Planned Giving	Mary Theresa Shevland, SSJ, MA
Director of Communications	Kathleen M. Spigelmyer, BS

Frequently Asked Questions

Q: What do those course prefixes mean?

A: Use this handy table:

Department Name:	Abbreviated:
Accounting	ACCT
Art History	ARTH
Art Studio	ARTS
Biology	BIOL
Business	BUSN
Chemistry	CHEM
Chinese	CHIN
Classical Civilization	CLCV
Communications	COMM
Computer and Information Sciences	CMSC
Computer and Information Technology	CMTC
Criminal Justice	CRJU
Economics	ECON
Education	EDUC
English	ENGL
Finance	FINA
First-Year Initiative	FYIN
French	FREN
German	GERM
Global Studies	GLST
History	HIST
Human Services	HSVC
Intercultural Foundations Certificate	ICFC
Interdisciplinary Honors Program	IDHP
Internat'l Business, Language, Culture	IBLC
Introduction to the Liberal Arts	ILAR
Italian	ITAL
Latin	LATN
Learning Strategies	LSTR
Management	MGMT
Marketing	MKTG
Mathematics	MATH
Music	MUSC
Music Education	MUSE
Music Lessons for Majors	MUSA
Music Lessons for Non-Majors	MUSL
Music Performance	MUSP
Personal Training Certification Program	PTCP
Philosophy	PHIL
Physical Education	PHED
Physics	PHYS
Political Science	PSCI

Psychology	PSYC
Religious Studies	RLST
Russian	RUSS
Sociology	SOCI
Spanish	SPAN
Spanish-Intensive	SPAI
Varsity Sports	VARA

Q: How do I schedule my Swim Test?

A: If you need to take a Swim Test and you are not enrolled in a PHED-Physical Education or VARS-Varsity Sports course, please contact Janice Kuklick at jkuklick@chc.edu.

Q: How many foreign language classes must I take?

A: It depends on where you placed during orientation or if you decided to start over with a new language. Students typically need one foreign language course at the 103-level or above to meet the Core Requirement (major requirements vary). If you placed in/decided to take a 101- or 102-level course, you will need to take at least one more language course to fulfill the 103-or above requirement.

Q: What computer courses must I take to fulfill the proficiency requirements?

A: You do not have to take any computer courses if you pass the Proficiency test in each area. Proficiency tests are scheduled routinely throughout the year; however, if you have any questions, please contact Eileen Lynch, SSJ, at lynche@chc.edu. The scheduled testing dates are posted on the Computer Proficiency Blackboard site and announcements about testing are made via your @chc email address. All tests are in Rooms 249 and 250 in St. Joseph Hall and are from 2:00-3:15pm. You can take one or two tests per session, but you may take each test only once. If you start a test at the session, you must complete it at that session. (Freshmen entering Fall 2010 need only four proficiencies; all other students will need to complete six proficiencies before graduation. Details are available in respective catalogs.)

If you are a Freshman entering in Fall 2012 and would like to take the course required for proficiency, please register for one of the following – **please note that you must pass the course with a grade of C or better to have it count as having met the proficiency requirement:**

- ~ CMTC-103: Microsoft Excel (1 credit)
- ~ CMTC-120: Researching and Formatting Academic Papers (1 credit)
- ~ CMTC-185: Intermediate Microsoft PowerPoint (1 credit)

Q: Who is my Academic Advisor?

A: An Academic Advisor is a departmental faculty member that is assigned to you based on your major and you can view the name of your assigned Advisor on the My CHC Portal. If your assigned Advisor is not available, you are welcome to visit the Academic Advising Center, 3rd Floor St. Joseph Hall for assistance. Telephone: 215.248-7199. Email: advising@chc.edu

Q: How do I drop or add a course?

A: As long as Registration is open for the semester you may drop and add courses on the My CHC Portal; however, it is recommended that you speak with your advisor before making any changes to your roster. If you encounter any issues when attempting to drop or add, please send an email to registrar@chc.edu indicating the error message and what you were trying to change.

Q: How do I withdraw from a course?

A: You MUST speak with your academic advisor before you stop attending a course. It may not be in your best interest to withdraw; and only your advisor will be able to approve a withdrawal after ensuring that you understand any academic and financial aid consequences.

Q: How do I get my grades? How do I get my grades mailed to me?

A: Grades are viewable on the My CHC Portal at <http://my.chc.edu>. Grades are not sent to students unless requested in writing within two weeks of the end of the semester. Please see the section on Grade Reports for information on how you or your parents may request a grade mailer.

Q: How can my parents see my grades?

A: First you must designate them on your account by filling out the FERPA Waiver, which is available online at www.chc.edu/registrar. Then they must make a request in writing. Please see the section on Grade Reports for information on how your parents may request your grades. Grade mailers will not be emailed or faxed, and must be requested in writing.

Q: I filled out the FERPA waiver, does this mean my parents get my online passwords?

A: No. The FERPA waiver designates someone that the College may share information with as if it were you, the student, in our offices. It does not mean that your parents get passwords to the Portal, Blackboard, or email. Nor does it mean that a FERPA contact can call or email the College to get information protected by FERPA, such as grades or classes registered. No one – not even you, the student – can call or email and request grades be provided. If you'd like your parents to have access, please complete the FERPA Waiver as described above.

Q: How do I get my roster?

A: Your roster is available to you on the My CHC Portal. Rosters are not mailed to students; please log on to the Portal and view your courses at least the day before each course begins to see if there have been any last minute room changes.

Q: What is a non-academic credit?

A: Non-academic credits are earned for courses that are often required for graduation, but the credits earned for them are not included in the 120 Academic Credit minimum required for graduation. The following non-academic courses are required for graduation of all students in the School of Undergraduate Studies:

- ~ FYIN-100: First-Year Initiative
- ~ FYIN-101: Career Connections
- ~ PHED - Physical Education: Each student must successfully complete two credits of Physical Education (PHED) courses or participate in a Varsity sport (VARS) for two semesters.

Other non-academic course include:

- ~ LSTR-100: Creating Success: Skills for Success in College and Life
- ~ LSTR-102: Creating Success: Reading and Writing Across the College Curriculum
- ~ MATH-100: Developmental Mathematics: Basic Skills and Principles

Certain music courses are also non-academic credit. You can identify these courses on your academic record as those with a "Grade+N." That means the course is counted in the Term Credits but NOT in the Career Credits. Please check with your advisor if you have any questions.

Q: I want to sing with one of the Music Performance groups. What do I do?

A: Just register for the course and go to rehearsal! As long as there is no audition required, any student can participate in the performance groups. Performance groups all begin with the course prefix MUSP-Music Performance. Sister Kathleen McCloskey would be happy to talk to you about joining one of the groups. Her office is located in St. Joseph Hall, Room M-27, 1st floor Music Corridor.

Q: I want to play a Varsity sport. What do I do?

A: Students may use participation in a Varsity sport to fulfill the two PHED-Physical Education requirements for graduation. All team members register for a non-academic course for their sport; all sports team courses begin with the prefix VARS-Varsity Sport. Contact Denise Wisniewski at wisniewskid@chc.edu.

Q: How do I get notices from the Office of the Registrar?

A: A majority of communication from the Office of the Registrar is done via your @chc email. It is your responsibility to get your @chc email on a regular basis; no exceptions will be made to policies/deadlines for students who simply do not check their email accounts. Contact helpdesk@chc.edu if you have any questions about your email account. And please remember to check it every day. You could be anyone@yahoo.com but we would rather you be **someone@chc.edu!**

Q: What courses are designated Writing Intensive?

A: The Pre-Requisite for all Writing Intensive courses is ILAR-101 or IDHP-200 in addition to any departmental requirements. Check the Course Descriptions for details on Pre-Requisites and any *Ways of Knowing* requirements that

may also be fulfilled. Here is a partial listing of Writing Intensive courses, which is subject to change at any time. Please contact your advisor if you have any questions.

BIOL-300	COMM-258	ENGL-203	FREN-221	HIST-330	PHIL-110	SOCI-302
CMSC-280	COMM-260	ENGL-241	HIST-218	MATH-497	PSCI-330	SPAN-221
CMTC-280	COMM-265	ENGL-280	HIST-219	MGMT-204	PSYC-313	SPAN-261
COMM-252	ENGL-105	ENGL-301	HIST-322	MUSC-221	SOCI-300	SPAN-262

Q: What course fulfills a WOK?

A: Courses that fulfill a Ways of Knowing requirement are indicated with a letter code and in the course description. Courses may have Pre-Requisites or may be restricted to certain Majors/minors. Check the Course Descriptions and with your Advisor for assistance in choosing the best courses for your particular course of study. Here is a listing of courses to consider:

Artistic Ways of Knowing (WOK: A)

ARTH-101	ARTH-191	ARTH-261	ARTS-120	ARTS-172	MUSC-107	MUSC-142
ARTH-102	ARTH-192	ARTH-280	ARTS-121	ARTS-272	MUSC-124	MUSC-144
ARTH-185	ARTH-201	ARTH-281	ARTS-131	ARTS-320	MUSC-125	MUSC-203
ARTH-186	ARTH-212	ARTH-282	ARTS-134	MUSC-101	MUSC-129	MUSC-222
ARTH-190	ARTH-230	ARTH-481	ARTS-140	MUSC-102	MUSC-140	

Behavioral Ways of Knowing (WOK: B)

ACCT-104	COMM-254	ECON-201	MKTG-205	PSCI-230	PSYC-103	SOCI-101
ACCT-213	COMM-255	ECON-211	MKTG-206	PSCI-231	PSYC-109	SOCI-102
ACCT-214	CRJU-122	EDML-202	MKTG-254	PSCI-232	PSYC-111	SOCI-103
ACCT-223	CRJU-210	EDP4-202	MKTG-255	PSCI-240	PSYC-202	SOCI-104
ADVP-AG45	CRJU-220	EDUC-202	PSCI-101	PSCI-241	PSYC-206	SOCI-114
ADVP-CG45	CRJU-223	FINA-181	PSCI-112	PSCI-242	PSYC-207	SOCI-125
ADVP-PSYC	CRJU-225	FINA-304	PSCI-113	PSCI-281	PSYC-210	SOCI-126
BUSN-102	CRJU-226	HSVC-105	PSCI-114	PSCI-321	PSYC-211	SOCI-127
BUSN-104	CRJU-227	HSVC-250	PSCI-117	PSCI-322	PSYC-212	SOCI-201
BUSN-120	CRJU-230	HSVC-257	PSCI-118	PSCI-330	PSYC-217	SOCI-210
COMM-110	ECON-101	HSVC-308	PSCI-130	PSCI-341	PSYC-223	SOCI-216
COMM-210	ECON-102	HSVC-356	PSCI-140	PSCI-481	PSYC-240	SOCI-226
COMM-251	ECON-109	MKTG-203	PSCI-214	PSYC-101	PSYC-250	

Historical Ways of Knowing (WOK: H)

HIST-101	HIST-142	HIST-210	HIST-224	HIST-245	HIST-275	HIST-343
HIST-102	HIST-200	HIST-212	HIST-226	HIST-246	HIST-281	
HIST-104	HIST-201	HIST-214	HIST-228	HIST-247	HIST-322	
HIST-106	HIST-202	HIST-218	HIST-231	HIST-248	HIST-330	
HIST-110	HIST-204	HIST-219	HIST-233	HIST-250	HIST-332	
HIST-141	HIST-205	HIST-220	HIST-236	HIST-270	HIST-334	

Literary Ways of Knowing (WOK: L)

CLCV-151	ENGL-203	ENGL-245	ENGL-300	FREN-355	LATN-241	SPAN-353
CLCV-153	ENGL-205	ENGL-251	ENGL-301	FREN-361	LATN-261	SPAN-355
ENGL-104	ENGL-206	ENGL-264	ENGL-338	IDHP-330	LATN-262	SPAN-361
ENGL-160	ENGL-225	ENGL-265	FREN-341	IDHP-331	LATN-321	SPAN-362
ENGL-175	ENGL-228	ENGL-266	FREN-342	IDHP-334	SPAN-263	
ENGL-201	ENGL-233	ENGL-267	FREN-353	IDHP-335	SPAN-340	
ENGL-202	ENGL-241	ENGL-280	FREN-354	LATN-240	SPAN-341	

Problem Solving Ways of Knowing (WOK: P)

ACCT-103	ADVP-CBC3	CMSC-190	IDHP-326	MATH-122	MATH-203	MATH-215
ADVP-CAB3	ADVP-CBC4	CMSC-205	IDHP-327	MATH-123	MATH-204	MATH-227
ADVP-CAB4	ADVP-CBC5	CMSC-210	MATH-115	MATH-201	MATH-211	MATH-231
ADVP-CAB5	ADVP-STA3	CMTC-330	MATH-121	MATH-202	MATH-212	MATH-232

MATH-251	MATH-261	PHIL-109	PHIL-124	PSYC-216
MATH-252	MATH-262	PHIL-110	PHIL-128	

Scientific *Ways of Knowing* (WOK: S)

ADVP-BI45	BIOL-101	BIOL-125	CHEM-103	CHEM-216	IDHP-334	PHYS-121
ADVP-BIO3	BIOL-102	BIOL-126	CHEM-106	IDHP-326	IDHP-335	PHYS-122
ADVP-	BIOL-106	BIOL-145	CHEM-131	IDHP-327	PHYS-104	PTCP-116
CHM1	BIOL-111	BIOL-206	CHEM-132	IDHP-330	PHYS-105	PTCP-117
ADVP-S345	BIOL-112	BIOL-210	CHEM-215	IDHP-331	PHYS-107	PTCP-118

Undergraduate Majors, minors, concentrations and certificates

Subject/Program/Discipline	Major/Minor/Certificate	Degree Awarded, if applicable	Min. Credits for the Major	Total Min. Credits	Departmental Contact
Accounting	Major	Bachelor of Science (BS)	67	120	Garry Flower, Room 312 Martino Hall, 215.248-7180, flowerg@chc.edu
Art History	Minor			18	Suzanne Conway, Room 209 St. Joseph Hall, 215.248.7183, conways@chc.edu
Art Studio	Minor			18	Margaret Thompson, SSJ, Room 500 St. Joseph Hall, 215.248-7042, mthompson@chc.edu
Biochemistry	Major	Bachelor of Science (BS)	69	121	Kelly Butler, Room 540 St. Joseph Hall, 215.242-7988, butler@chc.edu
Biochemistry	Minor			24	Kelly Butler, Room 540 St. Joseph Hall, 215.242-7988, butler@chc.edu
Biology	Major	Bachelor of Science (BS)	65	120	Joe Kulkosky, Room 522 St. Joseph Hall, 215.248-7157, Kulkoskyj@chc.edu
Biology	Minor			18	Joe Kulkosky, Room 522 St. Joseph Hall, 215.248-7157, Kulkoskyj@chc.edu
Chemistry	Major	Bachelor of Science (BS)	56	120	Kelly Butler, Room 540 St. Joseph Hall, 215.242-7988, butler@chc.edu
Chemistry	Minor			22	Kelly Butler, Room 540 St. Joseph Hall, 215.242-7988, butler@chc.edu
Classical Civilization	Minor			18	Mary Margaret Murphy, SSJ, Room 9 St. Joseph Hall, 215.248-7132, murphym@chc.edu
Communications	Minor			18	Kimberly Leahy, Room 1 St. Joseph Hall, 215.248-3601, leahyk@chc.edu
Communications and Technology	Major	Bachelor of Science (BS)	45	120	Kimberly Leahy, Room 1 St. Joseph Hall, 215.248-3601, leahyk@chc.edu
Communications/Corporate Communication	Major/Concentration	Bachelor of Arts (BA)	42	120	Kimberly Leahy, Room 1 St. Joseph Hall, 215.248-3601, leahyk@chc.edu
Communications/Journalism and Professional Writing	Major/Concentration	Bachelor of Arts (BA)	54	120	Kimberly Leahy, Room 1 St. Joseph Hall, 215.248-3601, leahyk@chc.edu
Communications/Media Studies and Production	Major/Concentration	Bachelor of Arts (BA)	45	120	Kimberly Leahy, Room 1 St. Joseph Hall, 215.248-3601, leahyk@chc.edu
Computer and Information Sciences	Major	Bachelor of Science (BS)	63	121	Lisa Olivieri, SSJ, Room 201 St. Joseph Hall, 215.248-7092, lolivieri@chc.edu

Computer and Information Technology/ Digital Forensics	Major/ Concentration	Bachelor of Science (BS)	52	120	Lisa Olivieri, SSJ, Room 201 St. Joseph Hall, 215.248-7092, lolivieri@chc.edu
Computer and Information Technology/ Management Information Systems	Major/ Concentration	Bachelor of Science (BS)	55	120	Lisa Olivieri, SSJ, Room 201 St. Joseph Hall, 215.248-7092, lolivieri@chc.edu
Computer and Information Technology/ Programming	Major/ Concentration	Bachelor of Science (BS)	55	120	Lisa Olivieri, SSJ, Room 201 St. Joseph Hall, 215.248-7092, lolivieri@chc.edu
Computer and Information Technology/ Web/Multimedia Development	Major/ Concentration	Bachelor of Science (BS)	52	121	Lisa Olivieri, SSJ, Room 201 St. Joseph Hall, 215.248-7092, lolivieri@chc.edu
Computer Science	minor			21	Lisa Olivieri, SSJ, Room 201 St. Joseph Hall, 215.248-7092, lolivieri@chc.edu
Creative Writing	Minor			18	Barbara Lonnquist, Room 203 St. Joseph Hall, 215.248-7178, lonnquistb@chc.edu
Criminal Justice	Major	Bachelor of Science (BS)	45	120	Sara Kitchen, Room 374 Fournier Hall, 215.248-7176, kitchens@chc.edu
Criminal Justice	Minor			18	Sara Kitchen, Room 374 Fournier Hall, 215.248-7176, kitchens@chc.edu
Digital Forensics	minor			18	Lisa Olivieri, SSJ, Room 201 St. Joseph Hall, 215.248-7092, lolivieri@chc.edu
Early Education (PreK-4)	Major	Bachelor of Science (BS)	89	120	Carol Pate, 4 th Floor St. Joseph Hall, 215.248-7127, cmpate@chc.edu
English Literature	Major	Bachelor of Arts (BA)	39	120	Barbara Lonnquist, Room 203 St. Joseph Hall, 215.248-7178, lonnquistb@chc.edu
English Literature	Minor			18	Barbara Lonnquist, Room 203 St. Joseph Hall, 215.248-7178, lonnquistb@chc.edu
English Literature and Communications	Major	Bachelor of Arts (BA)	45	120	Barbara Lonnquist, Room 203 St. Joseph Hall, 215.248-7178, lonnquistb@chc.edu
Environmental Sciences	Major	Bachelor of Science (BS)	72	120	Joe Kulkosky, Room 522 St. Joseph Hall, 215.248-7157, Kulkosky.j@chc.edu
Environmental Sciences	Minor			18	Joe Kulkosky, Room 522 St. Joseph Hall, 215.248-7157, Kulkoskyj@chc.edu
Forensic Biology	Major	Bachelor of Science (BS)	72	120	Joe Kulkosky, Room 522 St. Joseph Hall, 215.248-7157, Kulkoskyj@chc.edu

Forensic Chemistry	Major	Bachelor of Science (BS)	71	120	Kelly Butler, Room 540 St. Joseph Hall, 215.242-7988, butler@chc.edu
French	Major	Bachelor of Arts (BA)	36	120	Mary Helen Kashuba, SSJ, Room 25B Fournier Hall, 215.248-7124, kashubam@chc.edu
French	Minor			18	Mary Helen Kashuba, SSJ, Room 25B Fournier Hall, 215.248-7124, kashubam@chc.edu
Gerontology	Minor			18	Nancy DeCesare, SSJ Room 202 St. Joseph Hall, 215.248-7028, decesaren@chc.edu
History	Major	Bachelor of Arts (BA)	39	120	Lorraine Coons, Room 377 Fournier Hall, 215.248-7184, lcoons@chc.edu
History	Minor			18	Lorraine Coons, Room 377 Fournier Hall, 215.248-7184, lcoons@chc.edu
Human Services	Major	Bachelor of Science (BS)	45	120	John Kovach, Room 372 Fournier Hall, 215.248-7192, kovachj@chc.edu
Human Services	Minor			18	John Kovach, Room 372 Fournier Hall, 215.248-7192, kovachj@chc.edu
Information Management	Minor			19	Lisa Olivieri, SSJ, Room 201 St. Joseph Hall, 215.248-7092, lolivieri@chc.edu
Intercultural Foundations	Certificate			18	Tia N. Pratt, prattT@chc.edu
International Business	minor			18	Mary Helen Kashuba, SSJ, Room 25B Fournier Hall, 215.248-7124, kashubam@chc.edu
International Business, Language and Culture	Major	Bachelor of Science (BS)	79	120	Mary Helen Kashuba, SSJ, Room 25B Fournier Hall, 215.248-7124, kashubam@chc.edu
International Studies	Certificate			24	Mary Helen Kashuba, SSJ, Room 25B Fournier Hall, 215.248-7124, kashubam@chc.edu
Jazz Performance	Minor			19	Ed Strauman, Room M24, St. Joseph Hall, 215/753-3634, straumane@chc.edu
Latin	Minor			18	Mary Helen Kashuba, SSJ, Room 25B Fournier Hall, 215.248-7124, kashubam@chc.edu
Management	Major	Bachelor of Science (BS)	70	120	Garry Flower, Room 312 Martino Hall, 215.248-7180, flowerg@chc.edu
Management	minor			18	Garry Flower, Room 312 Martino Hall, 215.248-7180, flowerg@chc.edu
Management Information Systems	Minor			18	Lisa Olivieri, SSJ, Room 201 St. Joseph Hall, 215.248-7092, lolivieri@chc.edu
Marketing	Major	Bachelor of Science (BS)	67	120	Garry Flower, Room 312 Martino Hall, 215.248-7180, flowerg@chc.edu

Mathematics	Major	Bachelor of Science (BS)	43	120	Merilyn Ryan, SSJ, Room 62 St. Joseph Hall, 215/753-3620, ryanm@chc.edu
Mathematics	Minor			18	Merilyn Ryan, SSJ, Room 62 St. Joseph Hall, 215/753-3620, ryanm@chc.edu
Mathematics and Computer Sciences	Major	Bachelor of Science (BS)	45	120	Merilyn Ryan, SSJ, Room 62 St. Joseph Hall, 215/753-3620, ryanm@chc.edu
Middle –Level Education (Grades 4 to 8)	Major	Bachelor of Science (BS)	113	132	Carol Pate, 4 th Floor St. Joseph Hall, 215.248-7127, cmpate@chc.edu
Molecular Biology	Major	Bachelor of Science (BS)	65	120	Joe Kulkosky, Room 522 St. Joseph Hall, 215.248-7157, Kulkoskyj@chc.edu
Molecular Biology	Minor			22	Joe Kulkosky, Room 522 St. Joseph Hall, 215.248-7157, Kulkoskyj@chc.edu
Music (Performance)	Major	Bachelor of Music (BM)	54	120	Kathleen McCloskey, SSJ, Room M27 St. Joseph Hall, 215-248-7194, kmcclosk@chc.edu
Music (Performance)	minor			21	Kathleen McCloskey, SSJ, Room M27 St. Joseph Hall, 215-248-7194, kmcclosk@chc.edu
Music Education	Major	Bachelor of Science (BS)	120.5	85.5	Kathleen McCloskey, SSJ, Room M27 St. Joseph Hall, 215-248-7194, kmcclosk@chc.edu
Peace and Justice Studies	Minor			18	Marie Conn, Room 206, St. Joseph Hall. 215.248.7044, connm@chc.edu.
Philosophy	Minor			18	Patrick McCauley, Room 370 Fournier Hall, 215/753-3657, mccauleyp@chc.edu
Political Science	Major	Bachelor of Arts (BA)	39	120	Jacqueline Reich, Room 375 Fournier Hall, 215/753-3630, reichj@chc.edu
Political Science	Minor			18	Jacqueline Reich, Room 375 Fournier Hall, 215/753-3630, reichj@chc.edu
Programming	Minor			21	Lisa Olivieri, SSJ, Room 201 St. Joseph Hall, 215.248-7092, lolivieri@chc.edu
Psychology	Major	Bachelor of Arts (BA)	36	120	Lynn Brandsma, Room 3 St. Joseph Hall, 215.248-7049, brandsmal@chc.edu
Psychology	Minor			18	Lynn Brandsma, Room 3 St. Joseph Hall, 215.248-7049, brandsmal@chc.edu
Religious Studies and Philosophy	Minor			18	Patrick McCauley, Room 370 Fournier Hall, 215/753-3657, McCauleyP@chc.edu
Religious Studies/ Religious Education	Minor and Certificate			18	Patrick McCauley, Room 370 Fournier Hall, 215/753-3657, McCauleyP@chc.edu
Secondary Education	Minor			39	Carol Pate, 4 th Floor St. Joseph Hall, 215.248-7127, cmpate@chc.edu

Sociology	Major	Bachelor of Science (BS)	30	120	John Kovach, Room 372 Fournier Hall, 215.248-7192, kovachj@chc.edu
Sociology	Minor			18	John Kovach, Room 372 Fournier Hall, 215.248-7192, kovachj@chc.edu
Spanish	Major	Bachelor of Arts (BA)	36	120	Mary Helen Kashuba, SSJ, Room 25B Fournier Hall, 215.248-7124, kashubam@chc.edu
Spanish	Minor			18	Mary Helen Kashuba, SSJ, Room 25B Fournier Hall, 215.248-7124, kashubam@chc.edu
Special Education	Minor			See advisor.	Carol Pate, 4 th Floor St. Joseph Hall, 215.248-7127, cmpate@chc.edu
Web/ Multimedia Design	Minor			18	Lisa Olivieri, SSJ, Room 201 St. Joseph Hall, 215.248-7092, lolivieri@chc.edu
Women's Studies	Minor			18	Lorraine Coons, Room 377 Fournier Hall, 215.248-7184, lcoons@chc.edu or Nancy Porter, Room 14 St. Joseph Hall, 215.248-7119, nporter@chc.edu

Course Descriptions

ACCT-103 Financial Accounting Credits: 3
WOK: P A study of the basic accounting cycle and financial statement preparation as applied to service and merchandising enterprises. Analyzes the accounting system of a small business. *WOK: Problem Solving.* (Formerly BACCU-103.) *Grading: Letter Grade*

ACCT-104 Managerial Accounting Credits: 3
WOK: B Interpretation and use of accounting data for management decisions; financial statement analysis, the statement of cash flows and manufacturing costs. The accounting systems of partnerships and corporations are compared and contrasted. *WOK: Behavioral.* Pre-Requisite: ACCT-103. (Formerly BACCU-104.) *Grading: Letter Grade*

ACCT-113 Computerized Accounting Credits: 1
Designed to highlight the usefulness of computers in accounting. Students use the computer in recording transactions for a small business. Pre-Requisite: ACCT-103. (Formerly BACCU-113.) *Grading: Letter Grade*

ACCT-213 Intermediate Accounting Theory I Credits: 3 *WOK: B* An in-depth study of the theory and application of accounting topics including the accounting cycle, financial statements, assets, and liabilities. *WOK: Behavioral.* Pre-Requisite: ACCT-104. (Formerly BACCU-213.) *Grading: Letter Grade*

ACCT-214 Intermediate Accounting Theory II Credits: 3 *WOK: B* A continuation of ACCT-213. Topics includes stockholders' equity, revenue recognition, leases, pensions, cash flows, and financial statement analysis. *WOK: Behavioral.* Pre-Requisite: ACCT-213. (Formerly BACCU-214.) *Grading: Letter Grade*

ACCT-216 Taxes Credits: 3 A study of the Federal Income Tax Law concentrating on taxes relating to individuals and corporations. Topics include income, deductions, tax credits, and property transactions. Pre-Requisite: ACCT-103. (Formerly BACCU-216.) *Grading: Letter Grade*

ACCT-223 Cost Accounting Credits: 3 *WOK: B* An examination of the principles of cost accounting, concentrating on the use of cost data for management planning and control. Examines job order and process cost systems along with budgeting procedures, standard cost systems, and various managerial applications of cost accounting information. *WOK: Behavioral.* Pre-requisite: ACCT-104. (Formerly BACCU-223) *Grading: Letter Grade*

ACCT-281 Special Topics in Accounting Credits: 3 Topics vary by semester. Repeatable for credit. (New course Fall 2011.) *Grading: Letter Grade*

ACCT-333 Auditing Credits: 3 An introduction to auditing theory and application with emphasis on specific procedures used when examining financial statements. Examines professional ethics, types of audits, internal control, statistical

sampling, and reporting obligations. (Formerly BACCU-333.) *Grading: Letter Grade*

ACCT-363 Advanced Accounting Theory I Credits: 3 A detailed study of accounting topics including business combinations, consolidated financial statements, and inter-company transactions. Pre-Requisite: ACCT-214. (Formerly BACCU-363.) *Grading: Letter Grade*

ACCT-364 Advanced Accounting Theory II Credits: 3 A continuation of ACCT-363: Advanced Accounting Theory I. Discusses the theory and application of accounting topics including partnerships, governmental units, nonprofit organizations, estates and trusts, multinational enterprises and liquidations. Pre-Requisite: ACCT-354. (Formerly BACCU-364.) *Grading: Letter Grade*

ACCT-401 Internship in Accounting Credits: 3 Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. (Formerly BACCU-401.) *Grading: Pass/Fail Only*

ACCT-481 Adv Special Topics in Accounting Credits: 3 Topics vary by semester. Repeatable for credit. *Grading: Letter Grade*

ADVP-A345 Advanced Placement/American History Credits: 3 AP credit for a History course is given to those students who have attained a test score of 3 or better. It may be counted as a general elective but not as one of the 12 courses required for graduation. *Grading: TR/transferred credits*

ADVP-ACG3 Advanced Placement/Am or Comp Gov't Credits: 3 A student who has earned a score of 3 on either the American Government test or the Comparative Government test may count that result as equivalent for a general elective course for graduation, but students may not count that result as a Behavioral Way of Knowing or as one of the courses required for the political science major or minor. *Grading: TR/transferred credits*

ADVP-AG45 Advanced Placement/American Gov't Credits: 3 *WOK: B* A student who has received a score of 4 or 5 on the American Government test may count that AP course as satisfying the requirements for PSCI 113: American Political Process. *Grading: TR/transferred credits*

ADVP-BI45 Advanced Placement/Biology Credits: 4 *WOK: S* A score of 4 or 5 on this exam also allows the student to opt from taking BIOL-112: Principles of Biology II. Non-majors obtaining a score of 4 or 5r on the Biology exam earn 4 credits towards Scientific Ways of Knowing requirement. *Grading: TR/transferred credits*

ADVP-BIO3 Advanced Placement/Biology Credits: 4 *WOK: S* Students that have attained a score of 3 on the Biology exam are not obliged to take BIOL-111: Principles of Biology

I. Non-majors obtaining a score of 3 or better on the Biology exam earn 4 credits towards Scientific Ways of Knowing requirement. *Grading: TR/transferred credits*

ADVP-CAB3 Advanced Placement/Calculus AB Credits: 3 *WOK: P* Students who earn a score of 3 in Calculus AB will receive 3 credits for MATH-203: Analytic Geometry and Calculus I. *Grading: TR/transferred credits*

ADVP-CAB4 Advanced Placement/Calculus AB Credits: 3 *WOK: P* Students who earn a score of 4 in Calculus AB will receive 3 credits for MATH-204: Analytic Geometry and Calculus II. *Grading: TR/transferred credits*

ADVP-CAB5 Advanced Placement/Calculus AB Credits: 3 *WOK: P* Students who earn a score of 5 in Calculus AB receive credit for MATH-204: Analytic Geometry and Calculus II. *Grading: TR/transferred credits*

ADVP-CBC3 Advanced Placement/Calculus BC Credits: 3 *WOK: P* Students who earn a score of 3 in Calculus BC will receive 3 credits for MATH-204: Analytic Geometry and Calculus II. *Grading: TR/transferred credits*

ADVP-CBC4 Advanced Placement/Calculus BC Credits: 3 *WOK: P* Students who earn a score of 4 in Calculus BC will receive 3 credits for MATH-212: Calculus and Modern Analysis II. *Grading: TR/transferred credits*

ADVP-CBC5 Advanced Placement/Calculus BC Credits: 3 *WOK: P* Students who earn a score of 5 in Calculus BC will receive 3 credits for MATH-212: Calculus and Modern Analysis II. *Grading: TR/transferred credits*

ADVP-CG45 Advanced Placement/Comparative Pol Credits: 3 *WOK: B* A student who has received a score of 4 or 5 on the Comparative Government test may count that AP course as satisfying the requirements for PSCI-230: Introduction to Comparative Politics. *Grading: TR/transferred credits*

ADVP-CHM1 Advanced Placement/Chemistry I Credits: 8 *WOK: S* A grade of 5 will be considered equivalent to completion of CHEM-131: Principles of Chemistry I and CHEM-132: Principles of Chemistry II and the student should consult an advisor for registration. A grade of 4 will be considered equivalent to completion of CHEM -131 and the student may register for CHEM-132. With a grade of 3 the student will be awarded either 3 or 4 credits (depending on whether the course had a laboratory component) that will count towards fulfilling the Scientific Ways of Knowing requirement. *Grading: TR/transferred credits*

ADVP-E345 Advanced Placement/European History Credits: 3 AP credit for a History course is given to those students who have attained a test score of 3 or better. It may be counted as a general elective but not as one

of the 12 courses required for graduation.
Grading: TR/transferred credits

ADVP-ELG4 Advanced Placement/English Language Credits: 3 A score of 4 on the English Language and Composition Exam may be accepted as credit for ENGL-101 College Writing depending upon results of the writing placement exam. *Grading: TR/transferred credits*

ADVP-ELG5 Advanced Placement/English Language Credits: 3 A score of 5 on the English Language and Composition Exam may be accepted as credit for ENGL-101 College Writing depending upon results of the writing placement exam. *Grading: TR/transferred credits*

ADVP-ELT4 Advanced Placement/English Literature Credits: 3 A score of 4 on the English Literature Exam will be accepted as three elective credits in English at the discretion of the department. *Grading: TR/transferred credits*

ADVP-ELT5 Advanced Placement/English Literature Credits: 3 A score of 5 on the English Literature Exam will be accepted as three elective credits in English at the discretion of the department. *Grading: TR/transferred credits*

ADVP-FL45 Advanced Placement/French Lit Credits: 3 A score of 4 or 5 in Language is equivalent to any Language-221: Advanced Grammar and Composition. This satisfies the language requirement for non-majors. A score of 4 or 5 in Literature is equivalent to an introductory course in literature, assigned at the discretion of the Department, and worth 3 credits. This also satisfies the language requirement for non-majors. *Grading: TR/transferred credits*

ADVP-FR45 Advanced Placement/French Language Credits: 3 A score of 4 or 5 in Language is equivalent to any Language-221: Advanced Grammar and Composition. *Grading: TR/transferred credits*

ADVP-FRE3 Advanced Placement/French Credits: 3 A score of 3 in Language or Literature is equivalent to the 103 course in the respective language, worth 3 credits. The student must then either pass the Proficiency exam or take 104 to satisfy the language requirement. *Grading: TR/transferred credits*

ADVP-IB45 Advanced Placement/Microeconomics Credits: 3 Students who receive a score of 3, 4, or 5 in Microeconomics will receive 3 credits for ECON-102: Principles of Microeconomics. *Grading: TR/transferred credits*

ADVP-M345 Advanced Placement/Macroeconomics Credits: 3 Students who receive a score of 3, 4, or 5 in Macroeconomics will receive 3 credits for ECON-101: Principles of Macroeconomics. *Grading: TR/transferred credits*

ADVP-PSYC Advanced Placement/Psychology Credits: 3 WOK: B Students who have completed an Advanced Placement

psychology course in high school may be eligible for to receive credit for a General Psychology course, depending on their performance on the Advanced Placement test. AP test scores of 3 or higher will be accepted as 3 credits for PSYC-101: General Psychology. *Grading: TR/transferred credits*

ADVP-S345 Advanced Placement/Environmental Science Credits: 4 WOK: S A score of 3, 4 or 5 will be considered equivalent to completion of BIOL-106: Ecology and Environmental Issues. 4 credits towards the Scientific Ways of Knowing requirement are applied. *Grading: TR/transferred credits*

ADVP-SL45 Advanced Placement/Spanish Lit Credits: 3 A score of 4 or 5 in Literature is equivalent to an introductory course in literature, assigned at the discretion of the Department, and worth 3 credits. This also satisfies the language requirement for non-majors. *Grading: TR/transferred credits*

ADVP-SP45 Advanced Placement/Spanish Language Credits: 3 A score of 4 or 5 in Language is equivalent to any Language-221: Advanced Grammar and Composition. This satisfies the language requirement for non-majors. *Grading: TR/transferred credits*

ADVP-SPA3 Advanced Placement/Spanish Credits: 3 A score of 3 in Language or Literature is equivalent to the 103 course in the respective language, worth 3 credits. The student must then either pass the Proficiency exam or take 104 to satisfy the language requirement. *Grading: TR/transferred credits*

ADVP-STA3 Advanced Placement/Statistics Credits: 3 WOK: P Students who earn a 3 in Statistics will receive 3 credits for MATH-227: Introduction to Statistics. *Grading: TR/transferred credits*

ADVP-STA4 Advanced Placement/Statistics Credits: 3 Students who earn a score of 4 in Statistics will receive 3 credits for MATH-262: Probability and Statistics. *Grading: TR/transferred credits*

ADVP-STA5 Advanced Placement/Statistics Credits: 3 Students who earn a score of 5 in Statistics will receive 3 credits for MATH-262: Probability and Statistics. *Grading: TR/transferred credits*

ARTH-101 Western Art-Prehistoric to Gothic Credits: 3 WOK: A A chronological survey of the development of western art from the prehistoric era to the gothic period set within the context of the religious beliefs, political and philosophical ideas and economic environment of the society for which it was made. WOK: Artistic. (Formerly ARTU 101: THE HISTORY OF WESTERN ART.) *Grading: Letter Grade*

ARTH-102 Western Art-Early Ren to Modern Credits: 3 WOK: A A chronological survey of the development of western art from the fourteenth century to the modern period set within the context of the religious beliefs, political and philosophical ideas and economic environment of the society for which it was made. WOK: Artistic. (Formerly ARTU-102:

HISTORY OF WESTERN ART II.) *Grading: Letter Grade*

ARTH-185 17th Century Art Credits: 3 WOK: A or H A study of the painting, sculpture, and architecture of the seventeenth century in Europe, with emphasis on the great masters, e.g., Bernini, Caravaggio, Rembrandt, Poussin, and Velasquez, and the relationship between patronage and the arts. WOK: Artistic or Historical. (Formerly ARTU-185.) *Grading: Letter Grade*

ARTH-186 18th Century Art Credits: 3 WOK: A or H A study of painting in France and England in the eighteenth century seen in the context of the Enlightenment and the political and social radicalism that led to the French Revolution. WOK: Artistic and Historical (Formerly: ARTU 186: Rococo to Revolution) *Grading: Letter Grade*

ARTH-190 American Art Credits: 3 WOK: A Survey of three centuries of American art. Students concentrate on leading painters and sculptors and examine the major stylistic movements. WOK: Artistic. (Formerly ARTU-190.) *Grading: Letter Grade*

ARTH-191 Romanticism to Post-Impressionism Credits: 3 WOK: A A study of the radical defiance of the accepted academic style by such French artists as Delacroix, Manet, Monet, Morisot, VanGogh and Cézanne within the context of the rapid social, political, and economic changes of the nineteenth century. WOK: Artistic. (Formerly ARTU-191.) *Grading: Letter Grade*

ARTH-192 20th Century and Contemporary Art Credits: 3 WOK: A An investigation of art in the twentieth-century. Explores connections between the arts (painting, sculpture, architecture and design) and historical events, issues and beliefs of the period. WOK: Artistic. (Formerly ARTU-192.) *Grading: Letter Grade*

ARTH-193 American Architecture Credits: 3 Traces the evolution of American architecture from the colonial period to the present day. Treats developments in styles and highlights prominent American architects past and present. WOK: Artistic. (Formerly ARTU-193.) *Grading: Letter Grade*

ARTH-201 Historical Survey of Women Artists Credits: 3 WOK: A Introduction to the role of women in the history of Western painting. WOK: Artistic. ARTH-101 or ARTH-102 recommended but not required. (Formerly ARTU-201.) *Grading: Letter Grade*

ARTH-212 Looking at Landscape Design Credits: 3 WOK: A An exploration of the intellectual, social, and political reasons for the persistent passion for garden-making from the Middle Ages to the twenty-first century in Europe and the United States. WOK: Artistic. (Formerly ARTU-212.) *Grading: Letter Grade*

ARTH-230 Paris: An Urban History Credits: 3 WOK: A An investigation of the reasons Paris is considered one of the most beautiful and livable cities of the world, featuring such

famous and not-so-famous landmarks as: the Eiffel Tower, the Louvre, the Champs-Élysées, and Place des Vosges. WOK: Artistic. (Formerly ARTU-230.) *Grading: Letter Grade*

ARTH-261 Early Italian Renaissance Art
Credits: 3 WOK: A A study of Italian painting, sculpture and architecture from the thirteenth century through the fifteenth centuries. Emphasizes new understandings of the self and of the world and their effects on the arts. WOK: Artistic. (Formerly ARTU-261.) *Grading: Letter Grade*

ARTH-280 The Art of Black Africa *Credits: 3 WOK: A* An exploration of the traditional sculpture of the peoples of the sub-Saharan Africa with particular attention to the relationship between tribal society and the art it makes. WOK: Artistic. (Formerly ARTU-280.) *Grading: Letter Grade*

ARTH-281 Special Topics in Art History
Credits: 3 WOK: A Topics vary by semester. Repeatable for credit. WOK: Artistic. (New course Fall 2011.) *Grading: Letter Grade*

ARTH-282 Michelangelo and His Times
Credits: 3 WOK: A An analysis of the work of Michelangelo within the context of his rivals for greatness, real and imagined, as well as the intellectual, political, and economic environment of the sixteenth century in Italy. WOK: Artistic. (Formerly ARTU-281.) *Grading: Letter Grade*

ARTH-401 Internship in Art History *Credits: 3* Internships in Art History are available to Art History Minors. Interns work in curatorial departments of Philadelphia area museums and house museums as well as in non-curatorial areas such as education, conservation, public relations, and development. Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. Pre-Requisite: permission of the Chairperson. (Formerly ARTU-401 and ARTU-402.) *Grading: Pass/Fail Only*

ARTH-481 Adv Special Topics in Art History
Credits: 3 WOK: A Topics vary by semester. Repeatable for credit. WOK: Artistic. (New course Fall 2011.) *Grading: Letter Grade*

ARTH-490 Independent Study in Art History
Credits: 3 Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

ARTS-102 Introduction to Ceramics *Credits: 3* An introductory course developing a variety of hand building techniques in clay. Explores both functional and sculptural forms and covers fundamentals of glazing and kiln operation. Note: this course does NOT fulfill the Artistic WOK. (Formerly ARTSU-102.) *Grading: Letter Grade*

ARTS-115 Book Arts *Credits: 3* The history of book making as well as the book as an art form will be explored. Starting with the simplest traditional books, the student will develop a technical competence in the more advanced techniques and conceptual ideas of book making. The arts of decorating paper

and of using simple printing techniques will also be examined. Note: this course does NOT fulfill the Artistic WOK. (New course Fall 2011.) *Grading: Letter Grade*

ARTS-120 Art by Heart: Design/Culture
Credits: 3 WOK: A Design and culture from the Global Village. An Art Studio course that studies art and artifacts from diverse cultures from around the world examining creativity and innovative use of media to express the desires of the human spirit. Inspired by these forms, the students then make their own art work expressing their unique experience of life. WOK: Artistic. Cross-listed: ARTS-220. (Formerly ARTSU-120.) *Grading: Letter Grade*

ARTS-121 Introduction to Drawing Techniques *Credits: 3 WOK: A* From visual representation to statements of individual style, students study the elements and principles of Art through a variety of drawing techniques and media. WOK: Artistic. Cross-listed: ARTS-221 and ARTS-321. (Formerly ARTSU-121.) *Grading: Letter Grade*

ARTS-131 Introduction to Painting *Credits: 3 WOK: A* A survey of painting media, of techniques, with an emphasis on experimentation, acquisition of skills aimed at the development of a personal visual language and style in painting. WOK: Artistic. Cross-listed: ARTS-231 and ARTS-331. (Formerly ARTSU-131.) *Grading: Letter Grade*

ARTS-134 Introduction to Watercolor Painting *Credits: 3 WOK: A* An exploration of the techniques of painting with watercolor with an emphasis on experimentation with this fluid and versatile medium. Issues include: painting from observation, painting from imagination, choice of paper, collage, drawing for painting, and color. WOK: Artistic. Cross-listed: ARTS-234 and ARTS-334. (Formerly ARTSU-134.) *Grading: Letter Grade*

ARTS-140 The Art of Theater Design *Credits: 3 WOK: A* An introduction to the history of theater design and its importance as a means of enhancing dramatic productions in theater, film and television. Provides practical applications in constructing miniature sets, lighting, coordinating colors and themes. WOK: Artistic. (Formerly ARTSU-140.) *Grading: Letter Grade*

ARTS-141 Introduction to Silk Screening
Credits: 3 An introduction to the varied aspects of silk screen printing, using paper and film stencils, for both paper and textile printing. Note: this course does NOT fulfill the Artistic WOK. Cross-listed: ARTS-241 and ARTS-341. (Formerly ARTSU-141.) *Grading: Letter Grade*

ARTS-161 Intro to Metal Sculpture/Jewelry
Credits: 3 Introduction to the fundamentals of jewelry making, using precious metals. Includes lost-wax method. (Formerly ARTSU-161.) *Grading: Letter Grade*

ARTS-172 Introduction to Color My World
Credits: 3 WOK: A Color and design from the global village. An art studio course that studies color theory and its use in the art and artifacts from diverse cultures around the

world examining their creativity and innovative use of color to express the desires of the human spirit. Inspired by these forms, the students then make their own artworks with a special emphasis on color theory. WOK: Artistic. (Formerly ARTSU-172.) *Grading: Letter Grade*

ARTS-202 Intermediate Ceramics *Credits: 3* A continuation of the study of clay. Provides experience in both hand building and use of the wheel. Pre-requisite: ARTS-102. (Formerly ARTSU-202.) *Grading: Letter Grade*

ARTS-220 Intermediate Art by Heart *Credits: 3* Design and culture from the Global Village. An Art Studio course that studies art and artifacts from diverse cultures from around the world examining creativity and innovative use of media to express the desires of the human spirit. Inspired by these forms, the students then make their own art work expressing their unique experience of life. Pre-Requisite: ARTS-120. Cross-listed: ARTS-120. (Formerly ARTSU-220.) *Grading: Letter Grade*

ARTS-221 Intermediate Drawing Techniques
Credits: 3 Explores a variety of drawing ideas and techniques with an emphasis on design, skill in choice, and use of media for personal visual expression. In addition to working on instructor directed drawing projects with the class, students work with the instructor to propose and pursue more complex assignments of special interest to them individually. Pre-Requisite: ARTS-121. Cross-listed: ARTS-121 and ARTS-321. (Formerly ARTSU-221.) *Grading: Letter Grade*

ARTS-231 Intermediate Painting *Credits: 3* Explores a variety of painting ideas and techniques with an emphasis on design, skill in choice and use of media for self-expression. In addition to working on teacher directed painting projects, students propose and pursue more complex assignments of special interest to them individually. Pre-Requisite: ARTS-131. Cross-listed: ARTS-131 and ARTS-331. (Formerly ARTSU-231.) *Grading: Letter Grade*

ARTS-234 Intermediate Watercolor Painting
Credits: 3 Explores watercolor painting beyond the introductory level. Experimentation with media and development of skills to achieve goals and develop a personal style will be emphasized. Pre-Requisite: ARTS-134. Cross-listed: ARTS-134 and ARTS-334. (Formerly ARTSU-234.) *Grading: Letter Grade*

ARTS-241 Intermediate Silk Screening *Credits: 3* An in-depth study of the use of both film stencils and photographic stencils on paper and textiles. Pre-Requisite: ARTS-141. Cross-listed: ARTS-141 and ARTS-341. (Formerly ARTSU-241.) *Grading: Letter Grade*

ARTS-261 Interim/Metal Sculpture and Jewelry *Credits: 3* A continuation in the art of jewelry making and metal crafts. Soldering, hammering, and lost-wax methods. Pre-Requisite: ARTS-161. (Formerly ARTSU-261.) *Grading: Letter Grade*

ARTS-272 Color My World Credits: 3 WOK: A Color and Design from the Global Village, An art studio course that studies color theory and its use in the art and artifacts from diverse cultures around the world examining their creativity and innovative use of color to express the desires of the human spirit. Inspired by these forms, the students then make their own artworks with a special emphasis on color theory. WOK: Artistic. Pre-Requisite: ARTS-172. (Formerly ARTSU-272.) *Grading: Letter Grade*

ARTS-320 Advanced Art by Heart Credits: 3 WOK: A Design and culture from the Global Village. An Art Studio course that studies art and artifacts from diverse cultures from around the world examining creativity and innovative use of media to express the desires of the human spirit. Inspired by these forms, the students then make their own art work expressing their unique experience of life. WOK: Artistic. Pre-Requisite: ARTS-220. Cross-Listed: ARTS-220. (Formerly ARTSU-320.) *Grading: Letter Grade*

ARTS-321 Advanced Drawing Techniques Credits: 3 An advanced studio approach to drawing emphasizing maturation of ideas, skills, and style. Students explore complex ideas and techniques in drawing and move toward greater independence in the selection of content and subject matter for their drawings. in the selection of content and subject matter for their drawings. Pre-Requisite: ARTS-221. Cross-listed: ARTS-121 and ARTS-221. (Formerly ARTSU-321.) *Grading: Letter Grade*

ARTS-331 Advanced Painting Credits: 3 An advanced studio approach in which students use the knowledge and skills they have acquired in the study of art, art history and the contemporary art world to pursue complex and challenging projects. Students become more independent in selecting ideas in terms of purpose, media and technique. Cross-listed: ARTS-131 and ARTS-231. (Formerly ARTSU-331.) *Grading: Letter Grade*

ARTS-334 Advanced Watercolor Painting Credits: 3 An advanced exploration of watercolor techniques aimed at control and freedom, use of color, and creative combinations in pursuit of personal expression and style. Pre-Requisite: ARTS-234. Cross-listed: ARTS-134 and ARTS-234. (Formerly ARTSU-334.) *Grading: Letter Grade*

ARTS-341 Advanced Silk Screening Credits: 3 Explores experimental procedures including printing on different fabrics, glass, wood, and metal. Pre-Requisite: ARTS-241. Cross-listed: ARTS-141 and ARTS-241. (Formerly ARTSU-341.) *Grading: Letter Grade*

ARTS-361 Adv/Metal Sculpture and Jewelry Credits: 3 An advanced course in the art of jewelry making and metal crafts. More advanced methods of soldering, hammering, and lost wax. Pre-Requisite: ARTS-261. (Formerly ARTSU-361.) *Grading: Letter Grade*

ARTS-371 Advanced Design and Mixed Media Credits: 3 Special problems in the

application of design and mixed media. (Formerly ARTSU-371.) *Grading: Letter Grade*

ARTS-401 Internship in Art Studio Credits: 3 Practical experience at a site approved by the department. Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. (Formerly ARTSU-401 and ARTSU-402.) *Grading: Pass/Fail Only*

BADM-252 Business of Music Credits: 3 An introductory course in the business fundamentals of the music entertainment industry. The following topics are addressed: music as a profession, agents, personal managers and publishers, performing rights, contracts, music copyrights, record companies/record industry, music licensing, promotion and publicity, music for film and video production, radio and TV advertising and career options. Cross-listed: MUSC-252. (Formerly BADMU-252.) *Grading: Letter Grade*

BIOL-101 Inquiry Into Life I Credits: 3.5 WOK: S A two-semester, general course running the gamut from molecules to ecosystems, with emphasis on human life and the biological world. Topics include the unity among living things, human systems, development and heredity. Students are expected to take both BIOL-101 and BIOL-102. Co-Requisite: BIOL-101L. WOK: Scientific. (Formerly BIOU-101: GENERAL BIOLOGY.) *Grading: Letter Grade*

BIOL-101L Inquiry Into Life I Lab Credits: 0 Taken in the same semester as BIOL-101. Lab is graded as part of the lecture. Co-Requisite: BIOL-101. (Formerly BIOU-101 L: GENERAL BIOLOGY LAB.) *Grading: Letter Grade*

BIOL-102 Inquiry Into Life II Credits: 3.5 WOK: S A continuation of topics from BIOL-101. Co-Requisite: BIOL-102L. Pre-Requisite: BIOL-101 with a grade of C- or better. WOK: Scientific. (Formerly BIOU-102: GENERAL BIOLOGY.) *Grading: Letter Grade*

BIOL-102C Inquiry Into Life II Lab Credits: 1 Permission of Instructor required. Credit course for transfer students needing a lab experience. Graded Pass/Fail only. *Grading: Pass/Fail Only*

BIOL-102L Inquiry Into Life II Lab Credits: 0 Taken in the same semester as BIOL-102. Lab is graded as part of the lecture. Co-Requisite: BIOL-102. (Formerly BIOU-102 L: GENERAL BIOLOGY LAB.) *Grading: Letter Grade*

BIOL-106 Ecology and Environmental Issues Credits: 4 WOK: S Specifically designed for the non-science major. Emphasizes the interdisciplinary nature of environmental issues. Basic scientific concepts of ecological theory are related to economic, political, and philosophical factors that influence environmental problems and their solutions. WOK: Scientific. Co-Requisite: BIOL-106L. (Formerly BIOU-106.) *Grading: Letter Grade*

BIOL-106C Ecology/Environmental Issues Lab Credits: 1 For transfer students needing a credit-bearing lab experience, this lab concentrates on the interconnectedness of biotic and abiotic influences on ecosystem

health using basic sampling and analytical techniques in local environments. Permission from the Department is required prior to registration. Lab is graded Pass/Fail only. *Grading: Pass/Fail Only*

BIOL-106L Ecology/Environmental Issues Lab Credits: 0 Concentrates on the interconnectedness of biotic and abiotic influences on ecosystem health using basic sampling and analytical techniques in local environments. Taken in the same semester as BIOL-106. Lab is graded as part of the lecture. Co-Requisite: BIOL-106. (Formerly BIOU-106L.) *Grading: Letter Grade*

BIOL-111 Principles of Biology I Credits: 4 WOK: S A two-semester foundation course of the Biological sciences. Introduces students to the process of science and addresses the major disciplines of Biology: cell and molecular biology, genetics, evolution, ecology, comparative anatomy and physiology, zoology, and botany. Open only to students in one of these Science majors: Biology, Forensic Biology, Forensic Chemistry, Biochemistry, Environmental Sciences, Molecular Biology or with permission of the Chairperson. Co-Requisite: BIOL-111 Lab. WOK: Scientific. (Formerly BIOU-101M: GENERAL BIOLOGY for majors.) *Grading: Letter Grade*

BIOL-111L Principles of Biology I Lab Credits: 0 Taken in the same semester as BIOL-111. Lab is graded as part of the lecture. Co-Requisite: BIOL-111. (Formerly BIOU-101M L: GENERAL BIOLOGY LAB (for majors).) *Grading: Letter Grade*

BIOL-112 Principles of Biology II Credits: 4 WOK: S A continuation of topics in BIOL-111. Open only to students in one of these Science majors: Biology, Forensic Biology, Forensic Chemistry, Biochemistry, Environmental Sciences, Molecular Biology or with permission of the Biology Department Chairperson. Co-Requisite: BIOL-112L. WOK: Scientific. Pre-Requisite: BIOL-111 with a grade of C- or better. (Formerly BIOU-102M: GENERAL BIOLOGY for majors.) *Grading: Letter Grade*

BIOL-112L Principles of Biology II Lab Credits: 0 Taken in the same semester as BIOL-112. Lab is graded as part of the lecture. Co-Requisite: BIOL-112. (Formerly BIOU-102 L: GENERAL BIOLOGY LAB.) *Grading: Letter Grade*

BIOL-125 Ponds and Streams Credits: 4 WOK: S Specifically designed for the non-science major. Introduces students to freshwater habitats of the mid-Atlantic region. Focuses on familiarity with the ecology and inhabitants of the different habitats. Considers environmental problems and solutions for freshwater habitats. Field trips required. WOK: Scientific. Co-Requisite: BIOL-125L. (Formerly BIOU-125.) *Grading: Letter Grade*

BIOL-125L Ponds and Streams Lab Credits: 0 Taken in the same semester as BIOL-125. Lab is graded as part of the lecture. Co-Requisite:

BIOL-125. (Formerly BIOU-125 L.) *Grading: Letter Grade*

BIOL-126 The Biology of Cancer Credits: 4
WOK: 5 An overview and perspective of both the scientific and clinical aspects of cancer. Emphasizes cellular and molecular/genetic models of cancer development in humans. Topics include: cancer epidemiology, basic concepts of malignant process, TNM classification, modern advances in tumor biology and molecular biology including the effects of a variety of agents (chemical, radiation, viruses, oncogenes) that cause human cancer. Examines major types of cancer as well as present methods of cancer prevention and treatment. *WOK: Scientific.* Co-Requisite: BIOL-126L. (Formerly BIOU-126.) *Grading: Letter Grade*

BIOL-126L The Biology of Cancer Lab Credits: 0 Taken in the same semester as BIO-126. Lab is graded as part of the lecture. Co-Requisite: BIOL-126. (Formerly BIOU-126 L.) *Grading: Letter Grade*

BIOL-131 Environmental Seminar Series Credits: 1 A series of environmental topics designed to provide science and non-science students with an introduction to different environmental concerns or techniques. One hour lecture or two hours laboratory depending on topic. Repeatable for credit. (Formerly BIOU-131.) *Grading: Letter Grade*

BIOL-145 Forests and Fields Credits: 3 *WOK: 5* Specifically designed for the non-Science major. Serves as a field introduction to the ecology of the natural terrestrial habits of the Northeast. Features an interdisciplinary focus on environmental pressures on different forest types and "old fields." Stresses familiarity with plants and animals from these habitats. Two hours lecture and three hours lab. Field trips required. *WOK: Scientific.* Co-Requisite: BIOL-145L. (Formerly BIOU-145.) *Grading: Letter Grade*

BIOL-145L Forests and Fields Lab Credits: 0 Taken in the same semester as BIOL-145. Lab is graded as part of the lecture. Co-Requisite: BIOL-145. (Formerly BIOU-145 L.) *Grading: Letter Grade*

BIOL-201 Cell Biology Credits: 4 Examines cellular structure, function, and metabolism. Topics include biogenetics, protein structure and function, enzymes, cellular organelles and metabolism, nucleic acids, chromosomes, cellular communication and transport. Laboratory techniques microscopic methods, electrophoresis of proteins and DNA, spectrophotometric assays and cell culture techniques. Co-Requisite: BIOL-201L. Pre-Requisite: BIOL-112, or permission of the Instructor. (Formerly BIOU-201.) *Grading: Letter Grade*

BIOL-201L Cell Biology Lab Credits: 0 Taken in the same semester as BIOL-201. Lab is graded as part of the lecture. Co-Requisite: BIOL-201. (Formerly BIOU-201) *Grading: Letter Grade*

BIOL-203 Human Anatomy/Physiology I Credits: 4 The course covers the

cardiovascular, lymphatic, respiratory, digestive, urinary, reproductive and endocrine systems. In considering each system, structure and function are studied concurrently. It is essential that as study of the human body progresses, parts will be integrated into the whole. Clinical considerations and unifying themes, such as homeostasis will be emphasized throughout in both semesters. Co-Requisite: BIOL-203L. Pre-Requisite: BIOL-112. (Formerly BIOU-203.) *Grading: Letter Grade*

BIOL-203L Human Anatomy Lab I Credits: 0 Weekly three-hour lab taken in the same semester as BIOL-203. Lab is graded as part of the lecture. (Formerly BIOU-203 L.) *Grading: Letter Grade*

BIOL-206 General Zoology Credits: 4 *WOK: 5* An introduction to the processes of life, the concepts of biological study, the relationships of the physical/chemical/biological world, and an overview of the anatomy and physiology of representatives of the zoological groups. Co-Requisite: BIOL-206L. *WOK: Scientific.* Pre-Requisite: BIOL-101 or BIOL-106, or BIOL-112; or permission of the Department/Instructor. (Formerly BIOU-206.) *Grading: Letter Grade*

BIOL-206L General Zoology Lab Credits: 0 Taken in the same semester as BIOL-206. Fields trip may be required. Lab is graded as part of the lecture. Co-Requisite: BIOL-206. (Formerly BIOU-206 L.) *Grading: Letter Grade*

BIOL-210 Nutrition Credits: 4 *WOK: 5* An overview of the science of nutrition and its relationship to health will be taught with an emphasis on the functions of nutrients in the human organism, nutrient needs at various stages of life, and the effect nutrient inadequacies and excesses on health. Other related issues such as contemporary controversies in diet plans, American trends in food consumption, the effects of famine physically, economically and socially; developing self sustaining agricultural programs to feed people in underdeveloped countries; meal programs, and providing meals to low income families in the US will also be addressed. *WOK: Scientific.* Co-Requisite: BIOL-210L. (Formerly BIOU-210.) *Grading: Letter Grade*

BIOL-210L Nutrition Lab Credits: 0 Laboratory experimentation that demonstrates or tests the nutrition principles presented in the BIOL-210 lecture taken in the same semester. Lab is graded as part of the lecture. Co-Requisite: BIOL-210. (Formerly BIOU-210 L.) *Grading: Letter Grade*

BIOL-217 Genetics Credits: 4 Introduces genetics at classical, molecular, and population levels. Topics include Mendelian genetics, linkage analysis, mutation, dominance relationships, quantitative genetics, the structure and properties of DNA, transcription, translation, recombination, DNA synthesis, and population genetics models. Co-Requisite: BIOL-217L. Pre-Requisite: BIOL-111, or permission of the Instructor. (Formerly BIOU-217.) *Grading: Letter Grade*

BIOL-217L Genetics Lab Credits: 0 Laboratory exercises illustrate principles discussed in the BIOL-217 lecture, which is taken in the same semester. Lab is graded as part of the lecture. Co-Requisite: BIOL-217. (Formerly BIOU-217 L.) *Grading: Letter Grade*

BIOL-233 Ecology and Evolutionary Biology Credits: 4 Weaves together the broader disciplines of ecology and evolution by introducing the student to a spectrum of sub-disciplines including population genetics, population ecology, community ecology, physiological ecology, macroevolution, systematics and functional morphology. The general theme is the interconnectedness of organism, environment and evolution and the mutual dependence of the two disciplines. The interrelationships of organisms with their environment (ecology) are the very basis for the selection pressure of evolution that leads to adaptation to that same environment. Field trips required. Co-Requisite: BIOL-233L. Pre-Requisite: BIOL-112, or permission of the Instructor. (Formerly BIOU-233.) *Grading: Letter Grade*

BIOL-233L Ecology and Evolutionary Biol Lab Credits: 0 The laboratory is oriented to field research and is taken in the same semester as BIOL-233. Field trips required. Lab is graded as part of the lecture. Co-Requisite: BIOL-233. (Formerly BIOU-233 L.) *Grading: Letter Grade*

BIOL-281 Special Topics in Biology Credits: 3 Topics vary by semester. Repeatable for credit. *Grading: Letter Grade*

BIOL-300 Experimental Methods and Design Credits: 4 Considers the philosophy and sociology of science, their interaction and impact on the methodology of experimental design, implementation, data analysis and ethical issues in Biological research. Student teams design and implement small experiments, statistically analyze their data, perform peer reviews, write short research papers, give in-class presentations, keep lab notebooks, and prepare an end-of-semester research proposal. *WOK: Writing Intensive.* Co-Requisite: BIOL-300L. Pre-Requisite: MATH-262, MATH-227, or PSYC-216; and ILAR-101 or IDHP-200. (Formerly BIOU-300.) *Grading: Letter Grade/Writing Intensive*

BIOL-300L Experimental Methods and Design Lab Credits: 0 Taken in the same semester as BIOL-300. Lab is graded as part of the lecture. Co-Requisite: BIOL-300. (Formerly BIOU-300 L.) *Grading: Letter Grade*

BIOL-303 Human Anatomy and Physiology II Credits: 4 Covers the cardiovascular, lymphatic, respiratory, digestive, urinary, reproductive and endocrine systems. In considering each system, structure and function are studied concurrently. It is essential that as study of the human body progresses, parts will be integrated into the whole. Clinical considerations and unifying themes, such as homeostasis will be emphasized throughout. Co-Requisite: BIOL-303L. Pre-Requisite: BIOL-203. (Formerly BIOU-318.) *Grading: Letter Grade*

BIOL-303L Human Anatomy and Physiology II Lab Credits: 0 Taken in the same semester as BIOL-303. Lab is graded as part of the lecture. Co-Requisite: BIOL-303. (Formerly BIOU-318 L.) Grading: Letter Grade

BIOL-312 Watersheds/Freshwater Ecology Credits: 4 Considers the interactive nature of watersheds as they affect chemical, physical, and biological processes of lakes, wetlands and streams. A research approach is used with active participation on a stream research or monitoring project. Co-Requisite: BIOL-312L. Pre-Requisites: CHEM-132 and BIOL-233, or with permission of Instructor. CHEM-242 is recommended but not required. (Formerly BIOU-312.) Grading: Letter Grade

BIOL-312L Watersheds/Freshwater Ecology Lab Credits: 0 Taken in the same semester as BIOL-312. Field trips required. Lab is graded as part of the lecture. Co-Requisite: BIOL-312. (Formerly BIOL-312 L.) Grading: Letter Grade

BIOL-317 Special Methods in Biology Credits: 3 (Formerly BIOU-317.) Grading: Letter Grade

BIOL-322 Terrestrial Ecology Credits: 4 Considers the interactive nature of the terrestrial habitats, as they affect the chemical, physical and biological properties of the land. Scope includes urban and natural systems, and explores the open fields and their transition to forested land. A research approach is used with active participation on a forest or canopy research or monitoring project. Co-Requisite: BIOL-322L. Pre-Requisites: BIOL-233, or permission of Instructor. (Formerly BIOU-322.) Grading: Letter Grade

BIOL-322L Terrestrial Ecology Lab Credits: 0 Taken in the same semester as BIOL-322. Field trips required. Lab is graded as part of the lecture. Co-requisite: BIOL-322. (Formerly BIOU-322 L.) Grading: Letter Grade

BIOL-324 Microbiology Credits: 4 Stresses the fundamentals of the discipline in this laboratory-oriented course. Studies the structure and function of prokaryotic and eukaryotic microorganisms with respect to metabolism, growth and development, and genetics. Co-Requisite: BIOL-324L. Pre-Requisite: BIOL-111. (Formerly BIOU-324.) Grading: Letter Grade

BIOL-324L Microbiology Lab Credits: 0 Taken in the same semester as BIOL-324. Lab is graded as part of the lecture. Co-Requisite: BIOL-324. (Formerly BIOU-324 L.) Grading: Letter Grade

BIOL-325 Marine Biology Credits: 4 Surveys different marine ecosystems with their biotic and abiotic factors. Concentrates on near-shore habitats. Emphasizes community interactions and current or projected environmental pressures. Co-Requisite: BIOL-325 L. Pre-Requisite: BIOL-233, or permission of the Instructor. (Formerly BIOU-325.) Grading: Letter Grade

BIOL-325L Marine Biology Lab Credits: 0 Taken in the same semester as BIOL-325. Field

trips required. Lab is graded as part of the lecture. Co-Requisite: BIOL-325. (Formerly BIOU-325 L.) Grading: Letter Grade

BIOL-332 Medical Terminology Credits: 3 This course is designed to develop medical vocabulary associated with body systems and diseases, laboratory safety and infection control. This course will also provide students with the basic principles of medical word building including medical prefixes, suffixes and word roots used in medical nomenclature. Spelling, medical definitions and abbreviations will also be emphasized. No lab experience is associated with this course. Grading: Letter Grade

BIOL-333 Evolution Credits: 3 An introductory course on the theories and mechanisms of evolution – evolution of the universe, solar system, planets, geology of Earth, Biochemical and molecular evolution, and the evolutionary history of life on Earth. Examines the evolution of cells, differentiation, developmental processes, the evolutionary relationships among organisms, speciation and the diversity of life. Pre-Requisites: BIOL-201 and BIOL-217. (Formerly BIOU-333.) Grading: Letter Grade

BIOL-351 Molecular Biology Credits: 3 An introduction to Molecular Biology. Topics include DNA replication, transcription, translation, regulation of gene expression, molecular evolution and recombinant DNA technology. Interspersed laboratory sessions include isolation and characterization of DNA and RNA, cDNA cloning, gene expression and bioinformatics. This course does NOT have a lab experience. Pre-Requisites: BIOL-201 and BIOL-217, or permission of the Instructor. (Formerly BIOU-351.) Grading: Letter Grade

BIOL-401 Internship in Biology Credits: 3 Provides the Biology major the opportunity to integrate academic learning with practical experience. Students should begin to explore their internship prospects by the end of their sophomore year. Internship credit can be obtained for any Department approved research experience. Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. (Formerly BIOU-401.) Grading: Pass/Fail Only

BIOL-410 Immunology Credits: 4 An introduction to immunology. Topics include humoral and cellular immunology, immunogenetics, immune regulation, hypersensitivity, autoimmunity and immune diseases. Laboratory techniques include, cellular assays, immunodiffusion assays, ELISA, and antibody isolation. Co-Requisite: BIOL-410L. Pre-Requisite: BIOL-201, or permission of the Instructor. (Formerly BIOU-410.) Grading: Letter Grade

BIOL-410L Immunology Lab Credits: 0 Taken in the same semester as BIOL-410. Lab is graded as part of the lecture. Co-Requisite: BIOL-410. (Formerly BIOU-410 L.) Grading: Letter Grade

BIOL-411 Developmental Biology Credits: 4 Classical embryology and biochemical,

molecular biology and evolution of animal development. Topics include fertilization, cleavage, gastrulation, cell differentiation, induction, positional information, organ and pattern formation. Co-Requisite: BIOL-411L. Pre-Requisites: BIOL-201; BIOL-203; and BIOL-217. (Formerly BIOU-411.) Grading: Letter Grade

BIOL-411L Developmental Biology Credits: 0 Laboratory includes microscopic examination of animal development and biochemical analysis of molecular mechanisms of development taken in the same semester as BIOL-411. Lab is graded as part of the lecture. Co-Requisite: BIOL-411. (Formerly BIOL-411 L.) Grading: Letter Grade

BIOL-412 Endocrinology Credits: 3 Covers endocrine systems, a short chronology and historical aspects of endocrine research and endocrine glands, with emphasis on mammalian systems, particularly that of humans. The concept of homeostasis with special reference to the roles of chemical messengers in the control of homeostatic systems. Topics include endocrine function, hormone-receptor mechanisms, sites of hormone action, structure of endocrine glands, mechanisms of hormone secretion and transport, factors which control hormone action, and hormonal interaction as well as endocrine malfunctions leading to clinical disorders. (No lab is associated with this lecture.) Pre-Requisite: BIOL-318. (Formerly BIOU-412.) Grading: Letter Grade

BIOL-413 Conservation/Restoration Biology Credits: 3 Teaches the concept of conservation as applied to ecosystems such as forests, watersheds, and estuaries relative to all the wildlife as well as the threatened plants and animals. Introduces the ideas of sustained use, limited use, and protected use. Incorporates the emerging field of restoration. Teaches the ideals behind cleaning up spills, rebuilding eroded banks, and recreating an environment where the natural and native plants and animals can flourish again. Co-Requisite: BIOL-413L. Pre-Requisite: BIOL-233, or permission of Instructor. (Formerly BIOU-413.) Grading: Letter Grade

BIOL-413L Conservation/Restoration Bio Lab Credits: 0 Taken in the same semester as BIOL-413. Field trips required. Lab is graded as part of the lecture. Co-Requisite: BIOL-413. (Formerly BIOU-413 L.) Grading: Letter Grade

BIOL-481 Advanced Special Topics in Biology Credits: 3 An in-depth study of selected topic areas in biology. Course is 3 or 4 credits depending upon the topic; a lab may also be required. Past topics have included human disease, human nutrition, cell and cancer medicine, animal nutrition, and biochemistry of inherited diseases. May include a laboratory depending on the area covered. Pre-Requisite: BIOL-112 or with permission of the Instructor. (Formerly BIOU-481.) Grading: Letter Grade

BIOL-481L Advanced Special Topics in Bio Lab Credits: 0 Weekly three-hour lab taken in the same semester as BIOL-481, if required.

Lab is graded as part of the lecture. (Formerly BIOU-481 L.) *Grading: Letter Grade*

BIOL-490 Independent Study in Biology

Credits: 0.5 Variable credit - 0.5 to 4.0.
Repeatable for credit. Pre-Requisite:
Permission of the Instructor required.
Grading: Letter Grade

BIOL-498 Senior Seminar in Biology

Credits: 3
Study and discussion of topics relating to an independent laboratory or field research project in the area of biomedical and/or biological sciences. Course includes oral and written presentation of student research projects as the major criteria. Students are expected to participate in a research project appropriate for their major. Emphasis is placed on participation in classroom discussions on various research projects. Students with double majors, especially Biology and Chemistry, are required to conduct two independent research projects, each appropriate for the major. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: A Writing Intensive course, which is usually BIOL-300; or IDHP-200. (Formerly BIOL-498.) *Grading: Letter Grade*

BUSN-101 International Business

Credits: 3
An overview of international business and the globalization process. Topics covered include national differences in political economy, differences in national cultures, international trade theories; the political economy of international trade, foreign direct investment; regional economic integration, the foreign exchange market, the international monetary system; the global capital market, and the strategy and structure of international business. (Formerly BADMU-101.) *Grading: Letter Grade*

BUSN-102 Business Ethics

Credits: 3 WOK: B
An in-depth analysis of complex ethical dilemmas in business organizations, focusing on managing ethical decisions, establishing an ethical culture, and whistle blowing. Evaluates a firm's fiscal and social obligations to its employees, stockholders, customers, creditors, suppliers, and neighbors. Employs role playing and case analysis. WOK: Behavioral. (Formerly BADMU-102 and BADM-102.) *Grading: Letter Grade*

BUSN-104 Introduction to Business

Credits: 3 WOK: B
An overview of the domestic and global business environment and economies. Exposure to the theoretical framework and structure of the business environment, including accounting, economics, ethics, finance, management, and marketing. Case studies will provide illustrations of real life examples of business organizations, activities and the people who operate them. WOK: Behavioral. (Formerly BADMU-104 and BADM-104.) *Grading: Letter Grade*

BUSN-120 Law and the Business Enterprise

Credits: 3 WOK: B
Geared primarily for business majors. Focuses on the law of contracts, product liability, landlord/tenant law, negligence, torts, trademarks and other

topics relevant to the business world. WOK: Behavioral. (Formerly BADMU-120 and BADM-120.) *Grading: Letter Grade*

BUSN-252 Business of Music

Credits: 3
An introductory course in the business fundamentals of the music entertainment industry. The following topics are addressed: music as a profession, agents, personal managers and publishers, performing rights, contracts, music copyrights, record companies/record industry, music licensing, promotion and publicity, music for film and video production, radio and TV advertising and career options. Cross-listed: MUSC-252. (Formerly BADMU-252.) *Grading: Letter Grade*

BUSN-280 Information Mgmt/SQL

Programming *Credits: 3*
Introduces students to the fundamentals of information management using Microsoft Access, Microsoft SQL Server, from simple applications through database programming and Structured Query Language. This course includes an analysis and evaluation of social and ethical issues stemming from the proliferation of databases. This course is recommended for students planning a career in business and information sciences. Cross-listed: CMTC-280. Pre-Requisite: CMTC-180 (Formerly BADMU-280) *Grading: Letter Grade*

BUSN-401 Internship in Business

Credits: 3
A program designed to provide qualified Junior or Senior Business Majors with an opportunity for direct experience in a profit or non-profit business activity. Student writes a short paper integrating their academic and internship experience. Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. (Formerly BADMU-401 and BADMU-402.) *Grading: Pass/Fail Only*

BUSN-490 Independent Study in Business

Credits: 0 Variable credit - 1.0 to 3.0. Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

BUSN-498 Senior Seminar in Business

Credits: 3
Capstone course designed to engage the student in a research project culminating in an oral and written presentation. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: A Writing Intensive course; or IDHP-200. (Formerly BADMU-498 and BADM-498.) *Grading: Letter Grade*

CHEM-103 Chemistry and Public Policy

Credits: 4 WOK: S
An introductory course for non-science majors who have little or no background in chemistry and minimal mathematical background. The chemical basis of environmental issues, nutrition, and genetic engineering will be discussed in their socioeconomic and political context. Laboratory exercises are designed to give students knowledge of scientific measurements and the reasoning required for interpreting experimental data. Emphasis will be on applying knowledge of chemistry to current public policy issues. Three hours per

week. WOK: Scientific. Co-Requisite: CHEM-103L. (Formerly CHEMU-103.) *Grading: Letter Grade*

CHEM-103L Chemistry and Public Policy Lab

Credits: 0
Laboratory exercises are designed to give students knowledge of scientific measurements and the reasoning required for interpreting experimental data. Lab is graded as part of CHEM-103. Two hours per week. Co-Requisite: CHEM-103. (Formerly CHEMU-103 L.) *Grading: Letter Grade*

CHEM-106 Introduction to Forensic Science

Credits: 4 WOK: S
Focuses on the application of science in the criminal justice system. Emphasis will be placed on the common items of physical evidence encountered at crime scenes. The techniques of forensic analysis as well as procedures and practices relating to the proper collection and preservation of evidence will be studied. Three hours per week. WOK: Scientific. Co-Requisite: CHEM-106L. (Formerly CHEMU-106.) *Grading: Letter Grade*

CHEM-106L Intro to Forensic Science Lab

Credits: 0
Laboratory activities will focus on techniques of analysis of evidence and on critical thinking. Lab is graded as part of CHEM-106. Two hours per week. Co-Requisite: CHEM-106. (Formerly CHEMU-106L.) *Grading: Letter Grade*

CHEM-121 Chemistry Study Group

Credits: 0
Required of students designated by the Department. *Grading: Letter Grade*

CHEM-131 Principles of Chemistry I

Credits: 4 WOK: S
Examines the principles and concepts underlying chemical behavior. Topics covered include the periodic table of the elements, the gas laws, chemical reactions, molecular structure, acids and bases, kinetics, and thermodynamics. 4 hours per week. WOK: Scientific. Co-Requisite: CHEM-131L. Pre-Requisite: Score of 1, 2, or 3 on the Math Proficiency Test. (Formerly CHEMU-131.) *Grading: Letter Grade*

CHEM-131L Principles of Chemistry I Lab

Credits: 0
Lab work includes qualitative and quantitative analysis as well as validation of lecture principles. Problem solving skills are emphasized throughout. Lab is graded as part of CHEM 131. Three hours per week. Co-Requisite: CHEM-131. (Formerly CHEMU-131L.) *Grading: Letter Grade*

CHEM-132 Principles of Chemistry II

Credits: 4 WOK: S
Examines the principles and concepts underlying chemical behavior. Topics covered include the periodic table of the elements, the gas laws, chemical reactions, molecular structure, acids and bases, kinetics, and thermodynamics. Four hours per week. WOK: Scientific. Co-Requisite: CHEM 132L. Pre-Requisite: CHEM-131. (Formerly CHEMU-132.) *Grading: Letter Grade*

CHEM-132L Principles of Chemistry II Lab

Credits: 0
Lab work includes qualitative and quantitative analysis as well as validation of lecture principles. Problem solving skills are emphasized throughout. Lab is graded as part of CHEM-132. Three hours per week. Co-

Requisite: CHEM-132. (Formerly CHEMU-132L.) *Grading: Letter Grade*

CHEM-215 Organic Chemistry I *Credits: 4*
WOK: 5 The first semester of a two-semester introduction to the principles of organic chemistry. Focuses on the structure of organic compounds and how that structure determines reactivity. Analytical methods include gas chromatography/mass spectrometry and infrared spectroscopy. Four hours per week. *WOK: Scientific.* Pre-Requisite: CHEM-132. (Formerly CHEMU-215.) *Grading: Letter Grade*

CHEM-215L Organic Chemistry I Lab *Credits: 0*
Laboratory work includes an introduction to basic techniques used in Organic Chemistry as well as investigations into the properties and reactions of Organic compounds. Lab is graded as part of CHEM-215. Three hours per week. Co-Requisite: CHEM-215. (Formerly CHEMU-215L.) *Grading: Letter Grade*

CHEM-216 Organic Chemistry II *Credits: 4*
WOK: 5 This is the second semester of a two-semester sequence of introductory Organic Chemistry. This course continues to examine the structure and reactivity of carbon compounds, with an emphasis on applying learned reactions to the synthesis of a range of organic compounds. Analytical methods include nuclear magnetic resonance spectroscopy. Four hours per week. *WOK: Scientific.* Co-Requisite: CHEM-216L. Pre-Requisite: CHEM-215. (Formerly CHEMU-216.) *Grading: Letter Grade*

CHEM-216L Organic Chemistry II Lab *Credits: 0*
Laboratory work includes an introduction to basic techniques used in Organic Chemistry as well as investigations into the properties and reactions of Organic compounds. A semester-long project of identifying unknowns through qualitative and quantitative methods is required. Lab is graded as part of CHEM-216. Three hours per week. Co-Requisite: CHEM-216. (Formerly CHEMU-216L.) *Grading: Letter Grade*

CHEM-218 Medicinal Chemistry *Credits: 3* A study of medicinal compounds such as pharmacodynamic and chemotherapeutic agents, vitamins, and hormones. Considers the relationship of physio-chemical properties of drugs to their biological activity. Three hours per week. Pre-Requisite: CHEM-215. (Formerly CHEMU-218.) *Grading: Letter Grade*

CHEM-230 Internship Seminar *Credits: 1* A one-credit course designed for students interested in applying for competitive internships in the sciences. Students will learn how to search for competitive internships and identify internships of interest. Students will locate primary literature articles (using academic search engines such as SciFinder Scholar) published from their laboratories of interest. Students will then work to write statements of interest/research to apply for their programs of interest. While writing, there will be several class periods devoted to topics of interest relating to laboratory research, including presentations by guest speakers. Three hours per week for five weeks. *Grading: Letter Grade*

CHEM-242 Environmental Chemistry *Credits: 3* Studies the sources, fate, and removal/remediation of environmental pollutants with a specific focus on atmospheric pollutants, toxic organic compounds, and water contaminants. Three hours per week. Pre-Requisite: CHEM-215. (Formerly CHEMU-242.) *Grading: Letter Grade*

CHEM-250 Introduction to Biochemistry *Credits: 3* A one-semester course covering the principles of Biochemistry. Topics include but are not limited to: structure and function of carbohydrates and lipids; protein structure, function and regulation; enzyme kinetics and mechanisms; membrane structure and function; and intermediary metabolism. Three hours per week. Co-Requisite: CHEM-250L. Pre-Requisite: CHEM-215, or by permission of the Instructor. (Formerly CHEMU-250.) *Grading: Letter Grade*

CHEM-250L Introduction to Biochemistry Lab *Credits: 0* Laboratory exercises introduce classical biochemical methods; applications of these methods to the quantitative measurement of biological molecules; and exercises involving enzyme kinetics. Laboratory graded as part of CHEM-250. 3 hours per week. Co-Requisite: CHEM-250. *Grading: Letter Grade*

CHEM-301 Analytical Chemistry *Credits: 5*
An introduction to the field of analytical chemistry. Topics to be included are: advanced acid/base chemistry, molecular and atomic spectroscopy, and separation methods. Three hours per week. Co-Requisite: CHEM-301L. Pre-Requisite: CHEM-216. (Formerly CHEMU-301.) *Grading: Letter Grade*

CHEM-301L Analytical Chemistry Lab *Credits: 0*
Lab is graded as part of CHEM-301. Four hours per week. Co-Requisite: CHEM-301. (Formerly CHEMU-301L.) *Grading: Letter Grade*

CHEM-303 Instrumental Analysis *Credits: 5*
An advanced study of spectroscopy, mass spectrometry, and nuclear magnetic resonance spectrometry. Three hours per week. Co-Requisite: CHEM-303L. Pre-Requisite: CHEM-301. (Formerly CHEMU-303.) *Grading: Letter Grade*

CHEM-303L Instrumental Analysis Lab *Credits: 0*
An advanced laboratory study of spectroscopy, mass spectrometry and nuclear magnetic resonance spectrometry. Lab is graded as part of CHEM-303. Four hours per week. Co-Requisite: CHEM-301. (Formerly CHEMU-303L.) *Grading: Letter Grade*

CHEM-307 Biochemistry I *Credits: 5* The first semester of a two-semester introductory biochemistry course. Topics include: structure and properties of amino acids, carbohydrates and lipids; protein structure; membrane structure and transport across membranes; enzyme structure, mechanisms, and regulation; and laboratory procedures used in the extraction, separation and identification of biological molecules. Three hours per week. Co-Requisite: CHEM-307L. Pre-Requisite: CHEM-215, or by permission of the Instructor. (Formerly CHEMU-307.) *Grading: Letter Grade*

CHEM-307L Biochemistry I Lab *Credits: 0*
Laboratory exercises include the application of biochemical methods used to extract lipids and proteins from biological material; separation and quantitation of biological molecules; and the characterization of enzyme kinetics and the effects of inhibitors. Lab is graded as part of CHEM-307. Four hours per week. Co-Requisite: CHEM-307. (Formerly CHEMU-307L.) *Grading: Letter Grade*

CHEM-308 Biochemistry II *Credits: 3* The second semester of a 2-semester introductory biochemistry course. The semester focuses on metabolism, its regulation and metabolic disorders. Topics include: glycolysis and hexose monophosphate pathways; glycogen synthesis and breakdown; gluconeogenesis; tricarboxylic acid cycle; oxidative phosphorylation; lipid metabolism; amino acid metabolism; comparison of metabolism in various tissues of mammals and photosynthesis. 3 hours per week. Pre-Requisite: CHEM-307, or permission of the Instructor. (Formerly CHEMU-308.) *Grading: Letter Grade*

CHEM-313 Physical Chemistry I *Credits: 4*
Thermodynamics and Kinetics. Topics include: laws of thermodynamics, chemical and phase equilibrium, and introduction to kinetics. Three hours per week. Co-Requisite: CHEM-313L. Pre-Requisites: CHEM-132 and PHYS-122. (Formerly CHEMU-313.) *Grading: Letter Grade*

CHEM-313L Physical Chemistry I Lab *Credits: 0*
Lab is graded as part of CHEM-313. Co-Requisite: CHEM-313. (Formerly CHEMU-313L.) *Grading: Letter Grade*

CHEM-314 Physical Chemistry II *Credits: 4*
Introduction to theoretical chemistry. Topics include principals of quantum chemistry and spectroscopy. Three hours per week. Co-Requisite: CHEM-314L. Pre-Requisites: CHEM-132 and PHYS-122. (Formerly CHEMU-314.) *Grading: Letter Grade*

CHEM-314L Physical Chemistry II Lab *Credits: 0*
Lab is graded as part of CHEM-314. (Formerly CHEMU-314L.) *Grading: Letter Grade*

CHEM-317 Special Methods in Chemistry *Credits: 3* Integrates general principles of education and the teaching process into the teaching of Chemistry on a secondary level. Special focus on preparing and conducting laboratory experiments. Required of all who seek Secondary Education Certification in Chemistry. Three hours per week. Pre-Requisite: Permission of the Instructor. (Formerly CHEMU-317) *Grading: Letter Grade*

CHEM-322 Toxicology *Credits: 3* A study of the general principles of toxicology with a focus on poisons, their chemical action in the body (pharmacokinetics and pharmacodynamics), their biological effects and their detection. Specific focus will be on environmental toxins and pharmaceuticals. Three hours per week. Pre-Requisite: CHEM-215. (Formerly CHEMU-241) *Grading: Letter Grade*

CHEM-340 Inorganic Chemistry Credits: 4
Topics include: structure and bonding, solid-state Chemistry, spectroscopy, and catalysis. Three hours per week. Co-Requisite: CHEM-340L. Pre-Requisite: CHEM-216. (Formerly CHEMU-340.) *Grading: Letter Grade*

CHEM-340L Inorganic Chemistry Lab Credits: 0
Lab is graded as part of CHEM-340. Three hours per week. Co-Requisite: CHEM-340. (Formerly CHEMU-340.) *Grading: Letter Grade*

CHEM-401 Internship in Chemistry Credits: 3
A research experience to help the student to relate theories and skills to the practical aspects of a laboratory. Repeatable for up to 6 credits. Graded Pass/Fail only. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. Pre-Requisite: Permission of the Department. (Formerly CHEMU-401 and CHEMU-402.) *Grading: Pass/Fail Only*

CHEM-405 Advanced Organic Chemistry Credits: 3
An introduction to the field of Physical Organic Chemistry with an emphasis on qualitative molecular orbital theory, pericyclic reactions, stereochemistry, and linear free energy relationships. Three hours per week. Pre-Requisite: CHEM-216. (Formerly CHEMU-405.) *Grading: Letter Grade*

CHEM-481 Special Topics in Chemistry Credits: 3
An in-depth study of selected topic areas in Chemistry. Topics vary from year to year. May include a laboratory depending on the topic chosen. Repeatable for credit. Three hours per week. Pre-Requisite: Permission of the Instructor. (Formerly CHEMU-481 and CHEMU 482.) *Grading: Letter Grade*

CHEM-490 Independent Study in Chemistry Credits: 3
Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

CHEM-498 Senior Seminar/Chem-Biochem-For Sci Credits: 3
Capstone course of the Chemistry, Biochemistry, and Forensic Chemistry majors. The emphasis of this course is three-fold: areas of significant research in the field of Chemistry through reading of the current literature; ethics in scientific research; and a research paper, poster, and oral presentation of previously completed research. This research will have been done on or off campus, during summer internships or during the academic year, in an advisor-approved area of Chemistry. Three hours per week. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: A Writing Intensive course; or IDHP-200. (Formerly CHEMU-498.) *Grading: Letter Grade*

CHIN-101 Elementary Chinese I Credits: 3
Beginning-level course designed for students who have no previous knowledge of spoken or written Chinese. The course is an introduction to basic language skills in speaking, reading and writing modern Chinese. (Formerly CHINU-101.) *Grading: Letter Grade*

CHIN-102 Elementary Chinese II Credits: 3
Continues an introduction to basic language skills in speaking, reading and writing modern Chinese from CHIN-101. (Formerly CHINU-102.) *Grading: Letter Grade*

CHIN-103 Intermediate Chinese I Credits: 3
Further development of skills in Elementary Chinese I and II including grammar, listening comprehension, and vocabulary usage in the context of useful daily conversation. (Formerly CHINU-103.) *Grading: Letter Grade*

CHIN-104 Intermediate Chinese II Credits: 3
Continued development of skills including grammar, listening comprehension, and vocabulary usage in the context of useful daily conversation. (Formerly CHINU-104.) *Grading: Letter Grade*

CLCV-151 Enter the Hero and the Heroine Credits: 3 WOK: L
The Iliad, Odyssey, and Aeneid are read in English. Attention to epic poetry, the changing ideal of heroism, the influence of epic on Greek and Roman civilization and on European literature. WOK: Literary. (Formerly CLCVU-151.) *Grading: Letter Grade*

CLCV-153 Mythology as Living Tradition Credits: 3 WOK: L
A study of the great myths of the ancient world in connection with the religious and literary tradition and the evidence of ancient art. Persistent mythological themes, such as that of Oedipus, seen in a modern context. WOK: Literary. (Formerly CLCVU-153.) *Grading: Letter Grade*

CLCV-281 Sp Topics/Classical Civilization Credits: 3
Repeatable for credit. Topics vary by semester. *Grading: Letter Grade*

CMDF-200 Introduction to Digital Forensics Credits: 3
Provides an introduction to Digital Forensics from a theoretical and practical perspective and an introduction to investigative tools and techniques used in the field. Personal computer operating system architectures and disk structures are reviewed and the proper use of available computer forensic hardware and software tools are examined. Other topics include the importance of digital evidence controls, the method of processing crime and incident scenes, the details of data acquisition, and the requirements of an expert witness. The course provides a range of laboratory and hands-on activities and assignments that emphasize both the theory and the practical application of computer forensic investigations. Pre-Requisite: CMTC-190. CMTC-260 is recommended, but not required. *Grading: Letter Grade*

CMDF-220 Legal Issues/Digital Forensics I Credits: 3
Provides students with an introduction to the laws of search and seizure and the civil and criminal laws pertaining to computers and the seizure of computer evidence. Students will examine cases and statutes from appropriate sources including the United States Constitution and Federal and State laws pertaining to Internet and email records, ECPA, search warrants and probable cause. Pre-Requisite: CMDF-200, or

permission of the Instructor. *Grading: Letter Grade*

CMDF-240 Legal Issues/Digital Forensics II Credits: 3
Provides further understanding of the laws of search and seizure and the civil and criminal laws pertaining to computers and the seizure of computer evidence. In particular, students will examine federal and state law regarding privacy in and search and seizure of electronic information, Pennsylvania's Computer Crime Section as well as those of other states, the steps of e-discovery production, an introduction to the federal rules governing e-discovery, a discussion on EDD best practices and an examination of case law. Pre-Requisite: CMDF-220, or permission of the Instructor. *Grading: Letter Grade*

CMDF-300 Advanced Digital Forensics Credits: 3
Provides a more in-depth understanding of Digital Forensics and the investigative tools and techniques used in the field. The course provides a range of laboratory and hands on assignments that teach about theory as well as the practical application of computer forensic investigations. Topics covered in this course include: Case Reporting & Working with PRTK, Windows Registry and Registry Viewer, Link and Spool Files, Encrypted File System, Forensic Analysis, Forensic Duplication, File System Analysis, Internet and E-mail Usage Analysis, and ID Theft. The proper use of automated digital forensics tools will also be discussed. Cell phone forensics will also be explored, providing the proper software can be obtained. Pre-Requisite: CMDF-200. *Grading: Letter Grade*

CMDF-320 Legal and Technical Writing in DF Credits: 3
Provides practical applications in legal and technical report writing in the area of Digital Forensics. In particular, students will examine what is involved in drafting complaint evaluations, witness statements, ECPA orders, search warrants and affidavits. Students will also examine data mapping in civil discovery, the use of reports in evaluating an investigation, the importance of e-discovery rules and the process of conducting a search. Pre-Requisite: CMDF-240. *Grading: Letter Grade*

CMSC-190 Introduction to Programming Logic Credits: 3 WOK: P
Introduces students to the logic required for computer programming. Students will initially learn the concepts related to most languages including variables, assignment statements, branches, loops and subprograms. Students will also concentrate on the logic required to design a program before it is coded. During the second half of the semester, students will be introduced to the basic syntax of the programming language "Python." WOK: Problem Solving. (Formerly CMSCU-190.) *Grading: Letter Grade*

CMSC-205 Systems Analysis and Design Credits: 3 WOK: P
Provides a study of the information system life cycle and the use of systems design methodologies to develop single and multi-user systems. Topics include project management techniques, security

techniques, and system testing and implementation. WOK: Problem Solving. Pre-Requisite: CMSC-190. (Formerly CMSCU-205.) *Grading: Letter Grade*

CMSC-210 Programming in Java *Credits: 4*
WOK: P Introduces students to object-oriented computer programming using the Java programming language. Topics include variable, control structures, methods, objects, classes, arrays, files, exceptions and inheritance. WOK: Problem Solving. Pre-Requisite: CMSC-190. (Formerly CMSCU-210.) *Grading: Letter Grade*

CMSC-251 Data Structures *Credits: 4*
Focuses on advanced programming methodologies and procedural abstractions based on the analysis of data structures and algorithms. Topics include the analysis and application of basic data structures such as stacks, queues, lists and trees. Methods include the use of sorting and searching algorithms on various implementations of lists and the use of recursion as a control abstraction as well as the comparison of these algorithms using "Big-O" notations. This course also covers some advanced topics in Java programming. Pre-Requisite: CMSC-210. (Formerly CMSCU-251.) *Grading: Letter Grade*

CMSC-280 CS History, Trends & Ethical Issues *Credits: 3*
Provides an in-depth study of the history of computer science, explores current and future developments in computer science, and examines ethical issues that challenge society as a result of computer technology. WOK: Writing Intensive. Pre-Requisite: ILAR-101 or IDHP-200; and CMTC-190 or permission of the Chairperson. (Formerly CMSCU-280.) *Grading: Letter Grade/Writing Intensive*

CMSC-281 Special Topics in Comp/Info Sci *Credits: 3*
Covers current topics in computer science, such as human computer interaction and server-side programming. (New course Fall 2010.) *Grading: Letter Grade*

CMSC-285 Algorithms in AI and Robotics *Credits: 3*
Introduces students to methods for the design and analysis of complex algorithms with a focus on Artificial Intelligence. Several algorithm design techniques will be discussed including: brute force, divide-and-conquer, space and time tradeoffs, greedy approach, backtracking and branch-and-bound. Pre-Requisite: CMSC-251. (Formerly CMSCU-285.) *Grading: Letter Grade*

CMSC-300 Application Development and Design *Credits: 3*
Focuses on application development techniques using a current programming language. Students learn techniques of developing a large application in a team environment. Pre-Requisite: CMSC-251. (Formerly CMSCU-300.) *Grading: Letter Grade*

CMSC-310 Research Meth in Comp and Info Sci *Credits: 3*
Provides an examination of research methods in computer science. Students select a possible seminar topic and complete a literature search and review. Usually completed first semester of senior year. A grade of C or better is required to

successfully complete this course. (Formerly CMSCU-310.) *Grading: Letter Grade*

CMSC-321 Communications and Networks *Credits: 3*
Students examine current methods and practices in the use of computer networks. Topics include network architecture and communication protocols, network elements, datalink, switching and routing, end-to-end protocols, LANs, and data security. Pre-Requisites: CMSC-210 and CMTC-230. (Formerly CMSCU-321.) *Grading: Letter Grade*

CMSC-350 Computer Architecture/Logic Design *Credits: 4*
Students examine the organization and architecture of computer systems through study of the logical and engineering principles governing the internal operations of the computer. Topics include gates, circuits, combinational logic, sequential logic, computer arithmetic, control unit and arithmetic logic unit, CPU performance, and an introduction to assembly language. Pre-Requisites: CMSC-210 and CMTC-190. CMSC-251 is recommended, but not required. (Formerly CMSCU-350.) *Grading: Letter Grade*

CMSC-401 Internship in Comp and Info Sci *Credits: 3*
An internship provides the computer and information sciences major with the opportunity to experience the role of an information resource person in a business or other organization. Open to students with Junior or Senior status. Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. (Formerly CMSCU-401 and CMSCU-402.) *Grading: Pass/Fail Only*

CMSC-405 Programming Languages *Credits: 3*
This course examines the practical and theoretical aspects of programming languages. Topics include representation of data types, sequence control, and run-time storage and management. Pre-Requisite: CMSC-251. (Formerly CMSCU-405.) *Grading: Letter Grade*

CMSC-481 Adv Special Topics in Comp/Info Sci *Credits: 3*
Covers current topics in computer science, such as graphics animation or security. Repeatable for credit. (Formerly CMSCU-481 and CMSCU-482.) *Grading: Letter Grade*

CMSC-490 Independent Study in Comp Science *Credits: 3*
Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

CMSC-498 Senior Seminar: Comp and Info Sci *Credits: 3*
Students further develop the area of research that was begun in CMSC-310 to design and implement a research project and presentation. Students also discuss current topics in Computer Science which were not covered in structured courses. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisites: CMSC-310 with a grade of C or better, and CMSC-280. (Formerly CMSCU-498.) *Grading: Letter Grade*

CMTC-101 Intro to Computer Organization *Credits: 1*
This five-week course introduces

the student to Microsoft Windows. Students learn many of the fundamental concepts of managing files, using Windows Explorer, and customizing and navigating the desktop environment. Fulfills the Computer Organization module of the computer proficiency. (Formerly CITU-101.) *Grading: Letter Grade*

CMTC-102 Introduction to Microsoft Word *Credits: 1*
This five-week course introduces the student to Microsoft Word. The student learns the basic components of word processing as well as some advanced features including creating tables and inserting graphics. Fulfills the Word Processing module of the computer proficiency. Suggested Pre-Requisite: CMTC-101. (Formerly CITU-102.) *Grading: Letter Grade*

CMTC-103 Introduction to Microsoft Excel *Credits: 1*
This five-week course introduces the student to Microsoft Excel. The student learns the basic components of creating a spreadsheet as well as some advanced features. Fulfills the spreadsheet module of the computer proficiency. Suggested Pre-Requisites: fulfillment of Math Proficiency; CMTC-101, and CMTC-102. (Formerly CITU-103.) *Grading: Letter Grade*

CMTC-120 Research/Formatting Academic Papers *Credits: 1*
Builds on introductory word processing skills most students learn before college. It focuses on word processing features students need for formatting academic research papers and concentrates on how to use the Internet for academic research. Students apply the word processing skills learned in this course by formatting a paper developed from the Internet research skills they are presented. Fulfills the Researching and Formatting Academic Papers module of the computer proficiency for first year students beginning Fall 2010. *Grading: Letter Grade*

CMTC-142 Introduction to Internet Research *Credits: 1*
During this five-week course students learn how to perform searches on the Internet using various databases and search engines. Students also learn advanced e-mail features, including how to create an address book and how to send an attachment. Fulfills the Internet module of the computer proficiency. Suggested Pre-Requisites: CMTC-101, and CMTC-102. (Formerly CITU-142.) *Grading: Letter Grade*

CMTC-160 Intro to Microsoft PowerPoint *Credits: 1*
During this five-week course students gain proficiency in developing computer-based presentations using Microsoft PowerPoint. Fulfills the Presentation module of the computer proficiency. Suggested Pre-Requisites: CMTC-101 and CMTC-102. (Formerly CITU-160.) *Grading: Letter Grade*

CMTC-180 Intro to Microsoft Access Database *Credits: 1*
This five-week course introduces students to the development of a database using Microsoft Access. Students learn how to create and modify database tables, reports and queries. Students learn how to use the features of a database to

analyze information. Suggested Pre-Requisites: CMTC-101 and CMTC-102. (Formerly CITU-180.) *Grading: Letter Grade*

CMTC-185 Intermediate PowerPoint Credits: 1 Builds on introductory PowerPoint skills. Focuses on creating charts, tables, custom shows and SmartArt; using the Slide Master; inserting action buttons; adding custom animation; working with bulleted lists; importing from/exporting to Word; linking and embedding objects; packaging a presentation for a CD; and incorporating design elements and public speaking. Fulfills the PowerPoint module of the computer proficiency for all students. Recommended Pre-Requisite: student should have introductory knowledge of PowerPoint. *Grading: Letter Grade*

CMTC-190 Intro to Comp Hardware/Peripherals Credits: 3 Provides a challenging introduction to technology for students interested in a major or minor in computer and information technology or related fields. Topics include elements of computer architecture and peripherals. Upon the completion of this course students should be prepared to take the A+ Certification Examination. (Formerly CITU-190.) *Grading: Letter Grade*

CMTC-200 Intro to Web Development and Design Credits: 3 Students examine current web design techniques and learn how to create effective web pages using a web-authoring suite, such as Adobe Dreamweaver. The course also includes an on-going discussion regarding site composition, acceptable color use, font use and viewer friendly graphics. Upon the completion of this course students should be prepared to take the Adobe ACA examination for Dreamweaver. (Formerly CITU-200.) *Grading: Letter Grade*

CMTC-201 Designing Websites Credits: 3 Focuses on the design of websites rather than on web development. In particular, the course examines the importance of layout and composition, color, typography, imagery, and texture. A portion of this course also focuses on the use of Adobe Acrobat Professional. Pre-Requisite: CMTC-200. (Formerly CITU-201.) *Grading: Letter Grade*

CMTC-205 Computer Graphics Design Credits: 3 Through the use of computer graphics technology, students learn how to use Adobe Illustrator to create original artwork, edit clipart, and generate unusual and stylized text. Emphasis is placed on the use of vector/object-oriented software as a design tool in the fields of graphic and fine art. The course also includes a discussion regarding the considerations necessary for final output including color models, resolution, inkjet and offset printing, and preparation for the Web. (Formerly CITU-205.) *Grading: Letter Grade*

CMTC-210 Computer Graphics with Photoshop Credits: 3 Students learn the essentials of image enhancement by developing the understanding and skills needed to edit raster/bitmapped graphics. Students explore the basic concepts of color

correction, photo retouching, compositing (photo montages), photographic manipulation, and the preparation of images for use on the World Wide Web. Image resolution, color models and printing issues are also covered. Upon the completion of this course students should be prepared to take the Adobe ACA examination for Photoshop. (Formerly CITU-210.) *Grading: Letter Grade*

CMTC-215 Desktop Publishing Credits: 3 Students learn the theory and techniques of desktop publishing. The software program used for this course is Adobe InDesign, a leading layout and design software program for print media. The course also includes appropriate discussions on the properties of good page design. An introduction to thematic approaches to books, magazines, brochures, letterheads, etc. is also discussed. CMTC-205 and CMTC-210 are recommended, but not required. (Formerly CITU-215.) *Grading: Letter Grade*

CMTC-230 Introduction to Data Communications Credits: 3 Provides an introduction to computer networks and data communications, data and signals, using conducted and wireless signals. Students consider local information exchanged through global networking. Additional topics incorporate the study of communications hardware and software and the ethical and moral issues emanating from the communications explosion. Pre-Requisite: CMTC-190. (Formerly CITU-230.) *Grading: Letter Grade*

CMTC-260 Applied Operating Systems Credits: 3 Provides a hands-on introduction to various operating systems such as Windows, Linux, and Macintosh. Students are introduced to the fundamental concepts underlying all operating systems and learn how to implement these concepts on each system. An emphasis is placed on overall ethical and legal issues regarding ownership and use of operating systems. Pre-Requisite: CMTC-190. (Formerly CITU-260.) *Grading: Letter Grade*

CMTC-280 Database Programming Credits: 3 Introduces students to the fundamentals of idatabase programming using Microsoft SQL Server, from simple applications through database programming and Structured Query Language. This course is recommended for students planning a career in business and information sciences. WOK: Writing Intensive. Cross-listed: BUSN-280. Pre-Requisites: CMSC-190, and CMTC-180. (Formerly CITU-340.) *Grading: Letter Grade/Writing Intensive*

CMTC-281 Special Topics in Comp/Info Tech Credits: 3 Covers current topics in computer technology, such as graphics animation or server-side web programming. Repeatable for credit. *Grading: Letter Grade*

CMTC-285 Management Information Systems Credits: 3 Introduces students to the use of information technology in the business environment. The language, concepts, structures, and processes involved in the management of information systems are discussed. The course is intended to help

students focus on technological issues in implementing MIS strategies and to provide an overview of methodologies for design and development of information systems. Suggested Pre-Requisites: CMTC-103, CMTC-180, BUSN-104; CMTC-190. (New course Spring 2012.) *Grading: Letter Grade*

CMTC-300 Web Design: xHTML and JavaScript Credits: 3 Introduces students to creating interactive web pages using xHTML and Javascript. Students will incorporate design techniques developed in CMTC-200. Pre-Requisite: CMTC-200. (Formerly CITU-300.) *Grading: Letter Grade*

CMTC-310 Research Meth in Comp and Info Tech Credits: 3 Provides an examination of research methods in computer technology. Students select a possible seminar topic and complete a literature search and review. Usually completed first semester of senior year. A grade of C or better is required to successfully complete this course. (Formerly CITU-310.) *Grading: Letter Grade*

CMTC-320 Presentations in Multimedia Credits: 3 Students develop a multimedia production in which text, graphics, audio and video are combined in an original creation. Students acquire skill in the analysis and application of presentation software using Adobe Flash. This course enables students to develop modes of communication and presentation that utilize the potential of developing technologies. Upon the completion of this course students should be prepared to take the Adobe ACA examination for Flash. Pre-Requisite: CMTC-200; recommended but not required: CMTC-205, CMTC-210 and COMM-221. (Formerly CITU-320.) *Grading: Letter Grade*

CMTC-330 Intro/Programming in Visual Basic Credits: 4 WOK: P Introduces students to the Visual Basic programming language. Students attend class four hours per week, including a significant amount of laboratory time. Some previous programming knowledge is required. WOK: Problem Solving. Pre-Requisite: CMSC-190, or permission of the Chairperson. (Formerly CITU-330.) *Grading: Letter Grade*

CMTC-401 Internship in Comp and Info Tech Credits: 3 Students experience fieldwork in the area of information management, webmaster assistant, web development, computer hardware, computer software, technology troubleshooter, or another technology-related area. Open to students with Junior or Senior status only. Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. (Formerly CITU-401 and CITU-402.) *Grading: Pass/Fail Only*

CMTC-481 Adv Spec Topics in Comp/Info Tech Credits: 3 Covers current topics in computer technology, such as web technology or digital forensics. Repeatable for credit. (Formerly CITU-481.) *Grading: Letter Grade*

CMTC-490 Independent Study in Info Tech Credits: 3 Repeatable for credit. Pre-

Requisite: Permission of the Instructor required. *Grading: Letter Grade*

CMTC-498 Senior Seminar in Comp/Info Tech
Credits: 3 Students further develop the area of research that was begun in CMTC-310 to design and implement a research project and presentation. Students also discuss current topics in Computer Technology which were not covered in structured courses. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisites: CMSC-310 with a grade of C or better, and CMSC-280. (Formerly CITU-498.) *Grading: Letter Grade*

COMM-102 Newspaper Workshop *Credits: 1*
Students in any major learn how to write and edit AP style news and feature articles, produce writing samples for their portfolios, and/or utilize their graphic design skills, while earning applied credits. Students receive some professional training on how to conduct interviews, quote sources, and write and edit AP style articles. Graded Pass/Fail only. Repeatable for up to three credits. (Formerly COMU-102.) *Grading: Pass/Fail Only*

COMM-110 Introduction to Communications
Credits: 3 WOK: B An examination of the factors that enhance or inhibit effective communication in a variety of settings including interpersonal, intercultural, group, organizational and mass communication settings. WOK: Behavioral. (Formerly COMU-110.) *Grading: Letter Grade*

COMM-112 Television Workshop *Credits: 1*
Teaches students how to gather and disseminate the campus television news. Provides hands-on opportunities to write, shoot, narrate and edit a complete story, anchor the news and work with a crew. Repeatable for up to three credits. (Formerly COMU-112.) *Grading: Letter Grade*

COMM-141 Introduction to Journalism
Credits: 3 Introduces students to the principles and methods of journalistic writing. Students learn how to write for major types of news media: newspaper, in both print and on-line versions, radio and television. (New course Fall 2011.) *Grading: Letter Grade*

COMM-201 Introduction to Film Analysis
Credits: 3 Traces the historical foundations of film production and progresses to current trends. An overview of film history, narrative, genre, aesthetics and production guidelines will be covered. Students will learn to analyze and write critically about film. (Formerly COMU-201.) *Grading: Letter Grade*

COMM-203 Visual Literacy *Credits: 3*
Introduces students to the principles of visual design and composition used in media production. Students analyze the creative techniques used in photography and film. This course serves as a foundation for video production courses. (Formerly COMU-203.) *Grading: Letter Grade*

COMM-210 Interpersonal Communication
Credits: 3 WOK: B A study of the ways in which people generate meaning in

interpersonal transactions through the use of language, space, gesture, sexuality, and time. Analyzes dynamics of communication processes within the contexts of organizations including topics such as motivation, leadership, and decision-making. WOK: Behavioral. (Formerly COMU-210.) *Grading: Letter Grade*

COMM-221 Video Design and Production I
Credits: 3 A basic "hands on" introduction to video production, with emphasis on learning how to use the camera and related equipment, developing visual stories, writing a treatment and pre-production organizing and planning. Students will focus on understanding light, becoming familiar with production terms and equipment, improving shot design, planning for camera movement and placement, "shooting to edit", and harnessing the power of sound. Various aesthetic as well as ethical concerns are covered. Pre-Requisite: COMM-203. (Formerly COMU-221.) *Grading: Letter Grade*

COMM-230 Audio Production *Credits: 3*
In today's world, the role of audio production has expanded tremendously as technology continues to broaden the communication horizon. The skills and techniques you will learn in this course will have direct application to audio needs in many industries: radio/television broadcasting, movies, music, and the worldwide web. This extremely "hands on" course will teach you about the production process; how to prepare and write a script for recording, how to record sounds correctly, how to edit digital audio information, and how to create exciting, almost three dimensional, audio environments. In short, you will learn how to "manipulate" sounds - narration, music, and sound effects - to create dynamic productions that will absorb your audiences. In so doing, you will then experience the great reward of taking a concept from thought to something that can be heard by an audience who will then create ideas of their own which you intended to produce. As an additional benefit, you will learn how to more successfully incorporate sound into your production arsenal of techniques and tools. This is great for video, film, and even business presentations. Evoking human emotion through the power of sound is what this course is all about. *Grading: Letter Grade*

COMM-251 Mass Media and Society *Credits: 3 WOK: B*
Investigates books, newspapers, magazines, radio, television and film as mass media. Critically analyzes mass media as a reflection of and an influence on society. Examination of social, political, economic, and technological aspects. WOK: Behavioral. (Formerly COMU-251.) *Grading: Letter Grade*

COMM-252 Writing for Electronic Media
Credits: 3 Explores persuasive techniques for Web writing including online journalism, public relations, corporate communication, and other online media. WOK: Writing Intensive. Pre-Requisite: ILAR-101 or IDHP-200. (Formerly COMU-252.) *Grading: Letter Grade/Writing Intensive*

COMM-253 Adv Public Speaking Applications
Credits: 3 Practice in writing and presenting speeches of information and other forms of public speaking. Explores the psychology of audience response and appeal. Students develop skill in using PowerPoint presentations. (Formerly COMU-253: Public Speaking.) *Grading: Letter Grade*

COMM-254 Advertising *Credits: 3 WOK: B*
Covers advertising objectives, research, creative execution, media selection, legal and ethical requirements and budgeting. Students design and present an advertising campaign. WOK: Behavioral. (Formerly COMU-254.) *Grading: Letter Grade*

COMM-255 Public Relations *Credits: 3 WOK: B*
Study of principles and techniques used in communication between an organization and any individual or audience. Examines media and press releases, promotions and trade shows, community and customer relations. Students plan and present a public relations campaign. WOK: Behavioral. Cross-Listed: MKTG-255. (Formerly COMU-255.) *Grading: Letter Grade*

COMM-258 Scriptwriting *Credits: 3*
Focuses upon the essential elements of writing clear, concise, and dynamic short scripts for film and video productions. Through writing exercises, students will learn how to write realistic dialogue, visually compelling scenes, and precise technical instructions for crew. Both documentary and narrative formats will be explored. WOK: Writing Intensive. Pre-Requisites: ILAR-101 or IDHP-200. (Formerly COMU-258.) *Grading: Letter Grade/Writing Intensive*

COMM-260 Public Relations Writing *Credits: 3*
Focuses on how public relations materials are created and used to communicate key themes to various audiences. Using journalistic techniques, students will write press releases and newspaper and/or magazine articles designed to generate media attention for an organization or product. Students will create a portfolio of public relations writing, which may also include a newsletter, brochure, speech, pitch letter, and additional collateral public relations materials. WOK: Writing Intensive. Pre-Requisite: ILAR-101 or IDHP-200. (Formerly COMU-260.) *Grading: Letter Grade/Writing Intensive*

COMM-265 Writing and Editing for Magazines *Credits: 3*
The workshop approach provides experience in the basics of magazine writing, and editing. Students will analyze a publication, and translate an idea into a magazine article. Students develop a portfolio and learn strategies needed for publication. WOK: Writing Intensive. Pre-Requisites: COMM-241; and ILAR-101 or IDHP-200. (Formerly COMU-265.) *Grading: Letter Grade/Writing Intensive*

COMM-275 Persuasive Methods *Credits: 3*
Addresses the theories and applications specific to persuasive communication methods in social, political, and mass media contexts. Course material will focus on persuasive messages in commercial advertising, print media, political rhetoric,

electronic communities, propaganda campaigns, and public service messages. (Formerly COMU-275.) *Grading: Letter Grade*

COMM-281 Special Topics in Communication
Credits: 3 Topics vary by semester. Repeatable for credit. *Grading: Letter Grade*

COMM-310 Theories and Research Methods
Credits: 3 An examination of communication theories and research methods. Students learn how to interpret, analyze, and integrate significant data through a literature review. Open only to students with Junior and Senior status. (Formerly COMU-310.) *Grading: Letter Grade*

COMM-325 Video Design and Production II
Credits: 3 Students increase their mastery of planning and production, develop treatments, write a script, develop shot lists, write location reports, and learn to organize and create production books. Students shoot and edit to increase their use of sophisticated non-linear digital editing techniques. Pre-Requisite: COMM-221. (Formerly COMU-221.) *Grading: Letter Grade*

COMM-401 Internship in Communications
Credits: 3 Field work for the qualified student in the areas of broadcasting, print journalism, advertising or public relations at sites approved by the Department Chair or Program Coordinator. Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. Pre-Requisite: permission of the Chairperson. (Formerly COMU-401.) *Grading: Pass/Fail Only*

COMM-481 Advanced Special Topics in Comm
Credits: 3 Addresses the theories and applications specific to persuasive communication methods in social, political, and mass media contexts. Course material will focus on persuasive messages in commercial advertising, print media, political rhetoric, electronic communities, propaganda campaigns, and public service messages. (Formerly COMU-482.) *Grading: Letter Grade*

COMM-490 Independent Study in Communications
Credits: 3 Variable credit: 1.0 - 3.0. Repeatable for credit. Pre-Requisite: Permission of the Instructor required. (Formerly COMU-480.) *Grading: Letter Grade*

COMM-498 Senior Seminar in Communications
Credits: 3 Students integrate research, questionnaire development, a literature review and the writing of a comprehensive paper with state-of-the-art technologies for presentation. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisites: COMM-310; and a Writing Intensive course or IDHP-200. (Formerly COMU-498.) *Grading: Letter Grade*

CRJU-122 Introduction to Criminal Justice
Credits: 3 WOK: B An examination of law enforcement, the administration of justice and the correctional system in the United States. Includes some international

comparison. WOK: Behavioral. (Formerly CJU-122.) *Grading: Letter Grade*

CRJU-200 World Justice and Care for Children
Credits: 3 WOK: B A global study of human rights for children including an examination of historical and contemporary conditions, international development programs, and current social and moral issues. Cross-listed: SOCI-200. WOK: Behavioral. (Formerly CRJU-200.) *Grading: Letter Grade*

CRJU-201 Crime and Punishment Through Film
Credits: 3 Makes use of classic films as well as contemporary writings to explore the deeper functions and meaning of crime and punishment in our society. Topics include examination of the failure of our prison system to deter crime, exploration of the root causes of different types of crimes, and consideration of questions of fairness and social justice as they relate to punishment. *Grading: Letter Grade*

CRJU-210 Gender and the Law
Credits: 3 WOK: B An historical-sociological treatment of the gender issues in the American legal system. Explores the successful and sometimes failed challenges mounted by advocates in the areas of political and civil rights, domestic and reproductive issues, employment opportunities, criminal justice and education. WOK: Behavioral. Cross-Listed: SOCI-210. (Formerly CJU-210.) *Grading: Letter Grade*

CRJU-220 Juvenile Justice
Credits: 3 WOK: B A study of the American juvenile justice system from historical, legal and policy perspectives. Topics will include juvenile court, United States Supreme Court cases, juvenile probation, restorative justice, and rehabilitation and prevention programs. WOK: Behavioral. (Formerly CJU-220.) *Grading: Letter Grade*

CRJU-223 Criminal Law
Credits: 3 WOK: B An exploration of the basic concepts and issues in substantive criminal law. Appellate case analysis will include definitions of crime, defenses to crime and contemporary controversial issues. WOK: Behavioral. (Formerly CJU-223.) *Grading: Letter Grade*

CRJU-224 Criminal Investigation
Credits: 3 Principles and practices for getting the maximum amount of information to solve a crime. Proper procedure in the handling of witnesses, informants, suspects and surveillants. Methods for discovering, interpreting and preserving the physical evidence left at the crime scene. (Formerly CJU-224.) *Grading: Letter Grade*

CRJU-225 Criminal Procedure
Credits: 3 WOK: B An exploration of the constitutional areas of the criminal procedure. Appellate case analysis will explore such issues as search and seizure, arrest, confessions, right to counsel. Recent Supreme Court decisions will be considered. WOK: Behavioral. (Formerly CJU-225.) *Grading: Letter Grade*

CRJU-226 Deviance and Social Control
Credits: 3 WOK: B A sociological examination of deviant behavior and society's response to

it. Focuses on the meanings of deviance within particular social contexts: deviant subcultures, political uses of deviance, moral crusades and social change. WOK: Behavioral. Cross-Listed: SOCI-226. (Formerly CJU-226.) *Grading: Letter Grade*

CRJU-227 Corrections
Credits: 3 WOK: B Examines prisons and punishment. Topics to be covered include: philosophies of corrections, the development of prisons, institutional issues, penal reform and alternatives to incarceration. WOK: Behavioral. (Formerly CJU-227.) *Grading: Letter Grade*

CRJU-230 Juvenile Delinquency
Credits: 3 WOK: B An historical and contemporary study of youth crime. Topics will include: theoretical analysis, programs and policy, and current problems such as youth violence, drugs and gangs. WOK: Behavioral. (Formerly CJU-230.) *Grading: Letter Grade*

CRJU-245 Inside-Out
Credits: 3 The Inside-Out Prison Exchange is a unique experiential education class where students learn about the criminal justice system through dialogue. The class will meet inside a prison. Half of the students will be CHC students; half will be men incarcerated at the prison. Students will read, discuss, and solve problems together. Weekly and cumulative writings are required. Pre-Requisite: Permission of the instructor. (Formerly CJU-245.) *Grading: Letter Grade*

CRJU-281 Special Topics in Criminal Justice
Credits: 3 Topics vary by semester. Repeatable for credit. *Grading: Letter Grade*

CRJU-321 Criminology
Credits: 3 A study of the biological, psychological and sociological theories of crime. Classical theories, contemporary research and policy applications will be considered. (Formerly CJU-321.) *Grading: Letter Grade*

CRJU-325 Restorative Justice
Credits: 3 A seminar that introduces the student to the philosophy, history, theory and practice of restorative justice in the criminal justice system in the United States as well as international experiences. Restorative justice is an emerging movement for reform that emphasizes reconciliation with victim and reintegration of offenders in the community. Many jurisdictions such as Pennsylvania have incorporated aspects of restorative justice in their juvenile justice and adult criminal justice systems and nations such as South Africa, Rwanda, and Bosnia have embraced restorative justice as a means of healing communities affected by crimes against humanity. This course will practice and examine the practices, programs, realities and controversies of restorative justice. Pre-Requisite: CRJU-122. *Grading: Letter Grade*

CRJU-401 Internship in Criminal Justice
Credits: 3 Field placement in law enforcement, juvenile or adult courts, and community programs related to the student's interest. Supervision by a field supervisor employed by the agency and a liaison from the College faculty. Graded Pass/Fail only. Repeatable for credit. Includes Career

Connections requirement for graduation. Co-Requisite: FYIN-101. (Formerly CJU-401 and CJU-402.) *Grading: Pass/Fail Only*

CRJU-481 Adv Special Topics/Criminal Justice
Credits: 3 An in-depth investigation of a topic chosen by the instructor. Repeatable for credit. (Formerly CJU-481.) *Grading: Letter Grade*

CRJU-490 Independent Study in Crim Justice
Credits: 3 Variable credit: 1.0 - 3.0. Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

CRJU-498 Senior Seminar in Criminal Justice
Credits: 3 An in-depth exploration and social analysis of an approved issue in contemporary criminal justice. Each student will engage in independent research, write a scholarly paper, and give a professional presentation to the department and the college community. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: A Writing Intensive course; or IDHP-200. (Formerly CJU-498.) *Grading: Letter Grade*

ECON-101 Macroeconomic Principles *Credits: 3* *WOK: B* A study of the fundamental determinants of economic activity, measurement and determination of national output and income, employment, inflation, interest rates, money supply, and growth of output and income. Monetary, banking and fiscal institutions are considered in relation to their role in contemporary public policies designed to cope with problems on a macroeconomic level. *WOK: Behavioral.* Pre-Requisites: MATH-122 or Level 1 on the Math Proficiency test and either BADM-104 or ACCT-103. (Formerly ECONU-101.) *Grading: Letter Grade*

ECON-102 Microeconomic Principles *Credits: 3* *WOK: B* A study of the principles underlying the functioning of individual economic units such as consumers, households, firms and industries. Focuses on the determination of the price of products and productive inputs in the framework of a capitalist economy. *WOK: Behavioral.* Pre-Requisites: MATH-122 or Level 1 on the Math Proficiency test; and ECON-101. MATH-201 is recommended, but not required. (Formerly ECONU-102.) *Grading: Letter Grade*

ECON-109 Environmental Economics *Credits: 3* *WOK: B* A study of the application of economic principles to the development and management of environmental resources. The course will begin with an examination of the methods of economic analysis. Environmental economic policies and its national and global applications will be discussed in detail. *WOK: Behavioral.* Pre-requisite: ECON-102. MATH-201 is recommended, but not required. (Formerly ECONU-109.) *Grading: Letter Grade*

ECON-201 Principles of FINA: Money/Banking *Credits: 3* *WOK: B* An investigation of the role played by money and financial institutions, such as the Federal

Reserve System, in the functioning of the US economy. Emphasizes the implementation of monetary policy via the financial system to achieve economic stabilization. *WOK: Behavioral.* Pre-Requisite: ECON-101. (Formerly ECONU-201.) *Grading: Letter Grade*

ECON-203 Principles of Economics *Credits: 3* (New course Fall 2011.) *Grading: Letter Grade*

ECON-211 Introduction to Global Economics *Credits: 3* *WOK: B* An introduction to the international economy. Topics include international trade theories, trade policies and their effects, regionalism and multilateralism, an introduction to international finance, balance of payments and foreign exchange markets, exchange-rate systems, arbitrage, purchasing power and interest rate parities, international financial institutions, and contemporary global economic issues. *WOK: Behavioral.* Pre-requisite: BUSN-101 and ECON-101. MATH-201 is recommended, but not required. (Formerly ECONU-211.) *Grading: Letter Grade*

ECON-312 History of Economic Thought *Credits: 3* A historical and analytical study of major developments in economics through the contribution of major schools and economists. Topics include: mercantilism, classical economics, Marxian economics, marginalism, neoclassical economics, Keynesian and post-Keynesian economics. Pre-Requisite: ECON-102. (Formerly ECONU-312.) *Grading: Letter Grade*

EDML-201 Development/Middle Years *Credits: 3* Presents future teachers (grades 4-8) with the study of child development from age eight to adolescence. It is designed for the students to learn about all aspects of human development: physical, emotional, social, cultural and cognitive. The course aims to introduce a holistic view of human development as integrated into particular social and cultural context by presenting contemporary theories of child development, research methods in the study of development and in particular aspects of healthy human psychological development that are relevant in learning and education. *Grading: Letter Grade*

EDML-202 Educational Psychology/Middle Years *Credits: 3* *WOK: B* Introduces future teachers (Grades 4 - 8) to the area of psychology of education of middle childhood and gives them an opportunity to explore teaching and learning issues of their own concern. The course introduces a culturally sensitive and holistic view of learning, teaching and creating educational practices. The course is designed to introduce main psychological views of middle childhood development and learning, as well as theories of instruction and teaching. The course introduces discussions of real life and imaginary educational situations and engages students to discuss the ways these situations can be explained and dealt with from different points of view and in terms of psychological and social processes. Relationships between different aspects of educational practice are addressed: learner's cognitive, emotional, linguistic and social

development; different educational models approaches and practices; and social and cultural influences and conditions of education. *WOK: Behavioral.* *Grading: Letter Grade*

EDML-222 The Emerging Middle School *Credits: 3* Students examine the history of the middle school movement and its evolving philosophy. Implications for teacher professionalism, school design, organization, and curricula are also studied. Teaching methodology in the middle school will be explored. Field experiences will be part of the course. *Grading: Letter Grade*

EDML-310 Reading Methods I *Credits: 3* Presents research, methods, and materials in the design and implementation of reading instruction and assessment for students in grades 5 through 8. Research-based pedagogy appropriate to the middle level child will be utilized. This course does not contain a field component; however students who choose ERLA as one of their concentrations will apply what they have learned when completing the writing methods/practicum first semester junior year. Any education methods course requires knowledge and application of assessment principles, types and uses. All lesson plans developed as part of this course are required to include assessments of how teacher is to know that students understand/meet the goals of the lesson. In addition, all lesson plans are to identify specific PA Academic Standards/Anchors appropriate for the age level and content. *Grading: Letter Grade*

EDML-311 Writing Methods/Assessment *Credits: 3* Investigates the theories and practices of writing as a modality of learning. Students will be writing and learning how to teach writing in the genres of narrative, informational/ expository, persuasive, and poetry. Through the use of writing rubrics and the subsequent diagnostic evaluation of student writing, students will learn how to help students become quality writers in regard to the PA writing domains of focus, content, organization, style, and conventions. Although writing is the subject of study, it cannot be separated from the language arts context of reading, thinking, speaking and listening. Therefore, connections with all the language arts will be consistent. *Grading: Letter Grade*

EDML-312 Reading Methods II *Credits: 3* Presents research, methods, and materials in the design and implementation of a developmental, literature-based reading program for students in the middle grades. In addition, research-based pedagogy appropriate to the middle level child will be utilized to assist students in becoming familiar with diagnostic reading assessment, prescriptive reading instruction and to foster a lifelong love of reading. *Grading: Letter Grade*

EDML-315 Math Methods/Assessment *Credits: 3* Addresses the needs of Grade 4 through 8 Mathematics Educators in conjunction with the NCTM and Pennsylvania State Standards. Course topics include an

examination of educational trends and the impact of technology upon mathematics instruction. This course will focus upon the mathematical content taught in fourth grade through eighth grade and will include an analysis of teaching strategies and methodologies. This course will cover assessment techniques, communication and math, relating math to the real world while using a variety of math skills and tools to solve problems. Students will discuss key mathematical concepts as well as evaluate textbooks, materials, and relevant documents. Utilizing an inquiry-based child-centered focus, students will be actively involved in utilizing a wide variety of manipulative materials and representations that they will be able to apply to their teaching of mathematics while developing an appreciation of the diversity of school populations in the state of Pennsylvania. In addition, the course identifies the need for assessment in a data-based, standards aligned system and requires students to complete lesson plans and a math unit inclusive of appropriate assessments. *Grading: Letter Grade*

EDML-316 Social Studies

Methods/Assessment Credits: 3 Presents an analysis of content-specific pedagogy for middle school social studies teaching. The course focuses on curriculum, instruction, assessment, teacher resources, and technology as applied to social studies teaching in the middle school. Teacher candidates will become familiar with the characteristics of middle school learners. Teacher candidates will work with middle school social studies students and teachers through field experiences. *Grading: Letter Grade*

EDML-317 Science Methods/Assessment Credits: 3 An introduction to teaching science designed to present educators with the fundamentals of modern science instruction. Discussions and activities are developed to relate concepts and theory to learning experiences that emphasize the significance of involvement. This course provides an overview of the teaching techniques and materials used in contemporary elementary school science programs with focus on skills of inquiry and inductive and deductive reasoning through hands-on and minds-on investigations. Central are the integrated process skills of formulating hypotheses, naming and controlling variables, making operational definitions, experimenting, interpreting data, investigating, and the problem-solving process. This course includes the major strands of science including life science, physical science, earth and space science, and crosses curricula to integrate reading, language skills, social sciences, and the arts. *Grading: Letter Grade*

EDML-320 Assessing Student Learning Credits: 3 Provides teacher candidates with explicit instruction and practice in assessment of student learning in middle level grades. Students will use assessment data to guide instruction, monitor the results of interventions and alter instruction

accordingly, use multiple assessments (authentic, screening, diagnostic, formative benchmark and summative) that are developmentally appropriate for middle level learners and implement technology. *Grading: Letter Grade*

EDML-321 Classroom Mgmt/Applied Instruction Credits: 3 Classroom management strategies will be examined including motivation, grouping, physical layout, climate and discipline. This course consists of a study of techniques, procedures and discipline models that teachers can implement to make the task of managing classrooms and disciplining students easier and more effective. The course will cover classroom and lesson management, i.e., establishing an environment that minimizes disruptions and maximizes learning, and student discipline. This course examines the opportunities to extend learning through homework, utilizing community resources, parental involvement and support personnel. Creating a multicultural classroom, understanding gender differences and celebrating diversity will be included. *Grading: Letter Grade*

EDML-420 Student Teaching Middle Level Credits: 6 Student teaching provides qualified students with a semester of practical teaching experience in a real-life classroom environment. It is expected students will integrate the knowledge gained in education courses. Students will spend each day of the fourteen weeks in the semester at a school site. Co-Requisite: EDML-421. Pre-Requisites: completion of coursework in Education; approval of the Department; an overall GPA of 2.8 and a GPA of 3.0 or higher in the major. *Grading: Letter Grade*

EDML-421 Student Teaching Seminar Middle Lvl Credits: 3 The Seminar experience affords students the opportunity to share teaching insights, concerns and research with peers and supervisors. Students should be able to synthesize theories learned with what is occurring in actual practice. Students should be able to make critical judgments about theory application into practice as well. Co-Requisite: EDP4-420. Pre-Requisites: completion of coursework in Education; approval of the Department; an overall GPA of 2.8 and a GPA of 3.0 or higher in the major. *Grading: Letter Grade*

EDML-498 Senior Seminar in Middle Level Edu Credits: 3 In seminar format, students explore areas of current interest and research not included in structured courses. The course is structured to include group discussions, independent study and research. Students present their research in an oral presentation and a written paper. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: A Writing Intensive course; or IDHP-200. *Grading: Letter Grade*

EDMN-220 Montessori Philosophy/Edu Theory Credits: 3 Students explore the educational philosophy that influenced Maria Montessori. A second trend, emanating from

science and the scientific method, forms a comparative study of her predecessors in the fields of child development, medicine, anthropology and pedagogy. Background relates the pedagogical principles of the Montessori method to today's educational philosophies and methods. Cross-Listed: GRMON-520. (Formerly EMONU-225.) *Grading: Letter Grade*

EDMN-221 Montessori Everyday Living/Art Credits: 3 A study of the child's environment and culture dictates the exercises that aid inner discipline, self-esteem, a sense of order, and muscular control. Montessori pedagogical principles provide the rationale for demonstration of techniques appropriate for the very young child. Pre-Requisite: EDMN-220 or permission from the Montessori Program Director. Cross-Listed: GRMON-521. (Formerly EMONU-226.) *Grading: Letter Grade*

EDMN-222 Montessori Sensorial/Music Credits: 3 Provides the rationale and technique undergirding the refinement of sense perceptions as a means of acquiring classified, detailed and accurate knowledge from the environment. Students receive practical insight into the role of movement. Pre-Requisite: EDMN-220. Cross-listed: GRMON-522. (Formerly EMONU-227.) *Grading: Letter Grade*

EDMN-223 Montessori Mathematics Credits: 3 Enables the student to assess a child's mathematical readiness, to introduce number with its properties of cardinality and ordinality, to develop the mathematical experience to include the basic operations with the didactic apparatus. This course provides preparation for the intern experience. Pre-Requisite: EDMN-220. Cross-Listed: GRMON-523. (Formerly EMONU-228.) *Grading: Letter Grade*

EDMN-224 Montessori Language Credits: 3 Students learn how to design language programs within the prepared Montessori environment. Discussion includes the responsibility of the teacher in the different levels of development that lead to writing and reading, in the sequencing of materials, and in adaptations to specific language needs of children with special emphasis on the urban minority child. Pre-Requisite: EDMN-220. Cross-Listed: GRMON-524. (Formerly EMONU-229.) *Grading: Letter Grade*

EDMN-225 Montessori Natural/Social Sciences Credits: 3 Provides the student with material for the study of natural and social sciences used in the Montessori classroom appropriate to the age and development of the young child. Students explore the wonders of nature, and the interaction of human beings and nature. Suggestions are included for developing parent/teacher partnerships and mutual responsibilities. Pre-Requisite: EDMN-220. Cross-listed: GRMON-525. (Formerly EMONU-230.) *Grading: Letter Grade*

EDMN-430 Montessori Fall Internship Credits: 3 A year's internship taken in the student's senior year which brings together

the theory, practice and curriculum of Montessori Education. Co-Requisite: EDMN-431. Cross-Listed: GRMON-630. (Formerly EMONU-405.) *Grading: Letter Grade*

EDMN-431 Montessori Fall Seminar Credits: 2 Regularly scheduled biweekly seminars to correlate methods and student teaching run concurrently with the Internship for both fall and spring semesters. Seminar consists of bi-weekly meetings that discuss and evaluate observation and participation experiences of seminar students working in Montessori classrooms. Problems and challenges facing student interns, parents and administrators are addressed. Co-Requisite: EDMN-430. Cross-Listed: GRMON-631. (Formerly EMONU-407.) *Grading: Letter Grade*

EDMN-432 Montessori Spring Internship Credits: 3 A year's internship taken in the student's senior year which brings together the theory, practice and curriculum of Montessori Education. Co-Requisite: EDMN-433. Cross-Listed: GRMON-632. (Formerly EMONU-406.) *Grading: Letter Grade*

EDMN-433 Montessori Spring Seminar Credits: 2 Regularly scheduled biweekly seminars to correlate methods and student teaching run concurrently with the Internship for both fall and spring semesters. Seminar consists of bi-weekly meetings that discuss and evaluate observation and participation experiences of seminar students working in Montessori classrooms. Co-Requisite: EDMN-432. Cross-Listed: GRMON-633. (Formerly EMONU-408.) *Grading: Letter Grade*

EDP4-201 Development/Early Years Credits: 3 Presents future teachers with the study of child development from conception to pre-adolescence. It is designed for the students to learn about all aspects of human development: physical, emotional, social, cultural and cognitive. The course aims to introduce a holistic view of human development as integrated into particular social and cultural context by presenting contemporary theories of child development, research methods in the study of development and in particular aspects of healthy human psychological development that are relevant in learning and education. *Grading: Letter Grade*

EDP4-202 Educational Psychology/Early Years Credits: 3 WOK: B Presents comprehensive multidisciplinary array of theories, facts and practical knowledge in early child development through a variety of materials and media designed to create an Early Child Education curriculum in line with the Pennsylvania Department of Education PreK-4 guidelines and NAEYC standards. The course goals, components, topics and assignments are designed to promote teachers' awareness and sensitivity to the interdependence of individual development and local cultural environments and to give professional knowledge to help them create opportunities for healthy development of children from birth to 4th grade relative to their individual needs. WOK: Behavioral. *Grading: Letter Grade*

EDP4-203 Early Edu Foundations/Observations Credits: 3 Presents an analysis of the content, methods, and materials in the design and implementation of PreK-4 curricula in line with the Pennsylvania Department of Education PreK-4 guidelines and NAEYC standards. All program goals, program components, and field assignments in planning locally and culturally sensitive curricula and environments will promote opportunities for healthy development in young children relative to their individual needs. This course contains a field component. Students enrolled in this course will spend 20 hours observing young children in early education settings. *Grading: Letter Grade*

EDP4-204 Early Education Methods/Experience Credits: 3 Presents an analysis of the content, methods, and materials in the design and implementation of PreK curricula in line with the Pennsylvania Department of Education PreK-4 guidelines and NAEYC standards. All program goals, program components, and field assignments in planning locally and culturally sensitive curricula and environments will promote opportunities for healthy development in young children relative to their individual needs in the content areas of math, science, social studies and early literacy. This course contains a field component. Students enrolled in this course will spend 20 hours observing young children in early childhood settings. *Grading: Letter Grade*

EDP4-207 Early Literacy Credits: 3 Designed to establish the foundations of early literacy development of children in Pre-K, Kindergarten, and First Grade, with respect to reading, writing, speaking and listening and is based on the premise that language development is the basis of all literacy learning. This course outlines a Balanced Literacy Framework that scaffolds instruction through teacher read aloud, shared, guided and independent reading and writing with time set aside for word study. An Explicit Instructional Model is used as the basis of all instruction. Students will demonstrate and apply their understanding of content knowledge, child development and researched-based practices as they develop and implement micro teaching lessons. They will further develop their teaching styles and build confidence through practice presenting these lessons. *Grading: Letter Grade*

EDP4-210 Teaching Reading With Trade Books Credits: 3 Designed to address the following essential questions: How is print different from spoken language? What is reading for? How do children make meaning from print? What must be balanced in balanced literacy instruction? How do we organize classrooms for literacy development? When, why and how do we assess children's reading skills? In answering these questions students will acquire the knowledge base identified by the Pennsylvania State Standards for certification in Early Education. Specifically, students shall learn to assess students' literacy instructional needs, and address those needs, using a

variety of methods and texts. *Grading: Letter Grade*

EDP4-301 Health and Safety Methods Credits: 3 Presents an analysis of the content, methods, and materials in the design and implementation of health and safety standards in early education programs. A short list of topics to be covered in this course are as follows: Child care health advocacy, quality in early care and education, preventive health care, cultural competence and health, preventing and managing infectious diseases in early learning and school age children, communication, problem solving and professional development. *Grading: Letter Grade*

EDP4-311 Writing Methods Credits: 3 Presents an analysis of the content, methods, and materials in the design and implementation of PreK to K early literacy curricula in line with the Pennsylvania Department of Education PreK-4 guidelines and NAEYC standards. All program goals, program components, and field assignments in planning locally and culturally sensitive curricula and environments will promote opportunities for healthy development in young children relative to their individual needs in the content areas of math, science, social studies and early literacy. This course will present research, methods, and materials in the design and implementation of writing instruction and assessment for students in grades PreK-4. Research-based pedagogy appropriate to children in PreK-4 will be utilized. *Grading: Letter Grade*

EDP4-314 Creative Arts Methods Credits: 3 Designed to increase knowledge of the research that supports teaching using integrated strategies, particularly those that promote teaching through the arts. The course will increase pre-service teachers' ability to plan and implement lessons that integrate content area and arts area standards. It will increase their understanding of critical and creative thinking as primary ways to achieve real-world problem solving across the disciplines. The course is supported with state and national standards, Pennsylvania Department of Education PreK-4 guidelines, NAEYC and applicable ACEI program standards. Candidates will apply the national standards developed by the Consortium of National Arts Education Associations to articulate priorities for high quality, meaningful arts experiences in PreK-4 across a developmental continuum. *Grading: Letter Grade*

EDP4-315 Math Methods/Assessment Credits: 3 Addresses the needs of Kindergarten and Elementary School Mathematics Educators in conjunction with the NCTM and Pennsylvania State Standards. Course topics include an examination of educational trends and the impact of technology upon mathematics instruction. This course will focus upon the mathematical content taught in K through fourth grade and will include an analysis of teaching strategies and methodologies. This course will cover communication and math, relating math to the real world while using a variety of math

skills and tools to solve problems. Students will discuss key mathematical concepts as well as evaluate textbooks, materials, and relevant documents. Utilizing an inquiry-based child-centered focus, students will be actively involved in utilizing a wide variety of manipulative materials and representations that they will be able to apply to their teaching of mathematics while developing an appreciation of the diversity of school populations in the state of Pennsylvania. *Grading: Letter Grade*

EDP4-316 Social Studies

Methods/Assessment Credits: 3 Presents an analysis of the content, methods, and materials in the design and implementation of social studies methods for students in grades K-4. Research-based pedagogy appropriate to the young elementary-level child will be utilized. Students will experience a range of hands-on, inquiry-based lessons implementing the PA social studies standards, which will have direct application for teaching social studies in a K-4 classroom. *Grading: Letter Grade*

EDP4-317 Science Methods/Assessment

Credits: 3 Addresses an analysis and application of methodology and instructional techniques in the content area of science. Developmental, constructive, and process skills approaches will be emphasized. Students will experience a hands-on, inquiry-based format with direct application for teaching science. (New course Spring 2011.) *Grading: Letter Grade*

EDP4-318 Family and Community Partners

Credits: 3 Presents an analysis and practice of the need for a comprehensive approach to increasing engagement of parents and the community in the education and development of young children. The course will be in line with the Pennsylvania Department of Education PreK-4 guidelines and NAEYC standards. All program goals, program components, and field assignments in planning locally and culturally sensitive curricula and environments will promote opportunities for healthy development in young children relative to their individual needs. (New course Spring 2011.) *Grading: Letter Grade*

EDP4-320 PreK-4 Assessment

Credits: 3 Designed to prepare teacher candidates with the knowledge and skills, practice, and the application of assessments to design effective planning and teaching for student learning and differentiated instruction, essential PreK-4 teaching skills. Teacher candidates will learn how to develop, administer, and interpret assessments and data with informal and formal measurements. They will learn how to use systematic observation and documentation to monitor student learning and to practice communicating the integrated assessment results in a mock parent/teacher conference. The teacher candidate will distinguish among the types of assessments and its purpose, develop evaluation reporting skills, and demonstrate the use of ethical practices. (New course Spring 2011.) *Grading: Letter Grade*

EDP4-321 Classroom Mgmt/Applied

Instruction Credits: 3 Seminar portion of the first Stage II Pre-Student Teaching for PreK-4 candidates. During the seminar, students will apply the theories and practices learned in earlier subject matter and assessment courses in a 75 hour K-1 or 2-4 classroom setting. (New course Spring 2011.) *Grading: Letter Grade*

EDP4-420 Student Teaching PreK-4

Credits: 6 Student teaching provides qualified students with a semester of practical teaching experience in a real-life classroom environment. It is expected students will integrate the knowledge gained in education courses. Students will spend each day of the fourteen weeks in the semester at a school site. Co-Requisite: EDP4-421. Pre-Requisites: completion of coursework in Education; approval of the Department; an overall GPA of 2.8 and a GPA of 3.0 or higher in the major. (New course Spring 2011.) *Grading: Letter Grade*

EDP4-421 Student Teaching Seminar PreK-4

Credits: 3 The Seminar experience affords students the opportunity to share teaching insights, concerns and research with peers and supervisors. Students should be able to synthesize theories learned with what is occurring in actual practice. Students should be able to make critical judgments about theory application into practice as well. Co-Requisite: EDP4-420. Pre-Requisites: completion of coursework in Education; approval of the Department; an overall GPA of 2.8 and a GPA of 3.0 or higher in the major. (New course Spring 2011.) *Grading: Letter Grade*

EDP4-490 Independent Study in Education

Credits: 3 Research project jointly designed by student and faculty advisor; topic area to be determined. Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

EDP4-498 Senior Seminar in Early Education

Credits: 3 In seminar format, students explore areas of current interest and research not included in structured courses. The course is structured to include group discussions, independent study and research. Students present their research in an oral presentation and a written paper. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: A Writing Intensive course; or IDHP-200. *Grading: Letter Grade*

EDSC-315 General Methods in Secondary Ed

Credits: 3 Provides preparation of students in all major departments for general knowledge applicable to secondary school curricula. Pedagogical issues addressed in the course include lesson plan creation, unit preparation, grading, tracking, inclusion and physical and mental health issues. (Formerly ESECU-315.) *Grading: Letter Grade*

EDSC-316 Reading in the Content Areas

Credits: 1 Focuses on metacognitive processes in reading for all disciplines in the junior and senior high school curriculum.

Strategies for teaching vocabulary acquisition, comprehension, reasoning and problem solving, and study techniques are presented. (Formerly ESECU-316.) *Grading: Letter Grade*

EDSC-317 Special Methods-English/Soc

Studies Credits: 3 Fieldwork includes observation and participation in secondary classrooms in both public and private settings. Students participate in a middle school, junior high school, or senior high school setting for at least one half-day per week. Field experience is combined with on-campus coursework focused on classroom and instructional management. (Formerly ESECU-317.) *Grading: Letter Grade*

EDSC-420 Student Teaching in Secondary Sch

Credits: 6 Culminating field experience, consisting of observation, participation and actual teaching. Assigned to an elementary school, either public or private, student teacher is supervised and rated by a cooperating teacher within the school as well as by the college supervisor. Pre-Requisites: completion of education coursework; overall GPA and a major GPA of 3.0 plus have passed the Praxis I test. Co-Requisite: EDSC-421. (Formerly ESECU-420.) *Grading: Letter Grade*

EDSC-421 Student Teaching Seminar/Sec Sch

Credits: 3 This seminar, in support of the field experience, includes weekly conferences to correlate general skills and principles of teaching and learning with the student teaching experience. This course addresses the identification and analysis of problems facing student teachers. The students will compile their final portfolio according to the exit competencies. Pre-Requisites: completion of education coursework; overall GPA and a major GPA of 3.0 plus have passed the Praxis I test. Co-Requisite: EDSC-420. (Formerly ESECU-421.) *Grading: Letter Grade*

EDSP-390 ESL Foundations and Methods

Credits: 3 The primary goal of this course is to prepare students to teach English Language Learners (ELLs) in a mainstream classroom setting. The course will examine the English language learner through children's literature and authentic student voices. Participants will also be provided a wealth of research-based teaching strategies that will promote oral language, reading, and writing development in English for this student group. In addition, there will be an emphasis on content area instruction and ways to differentiate lessons to make the content comprehensible to ensure student success. Class meetings have been carefully developed to take theory into action through a series of hands-on and meaningful activities presented by the instructor. Ownership of the content will then be demonstrated by students through authentic products. (New course Spring 2011.) *Grading: Letter Grade*

EDUC-202 Educational Psychology

Credits: 3 **WOK: B** Involves the application of Psychological principles concerned with the processes of growth and development, thinking, learning and motivation to the problems of education. Principles of social Psychology and mental hygiene are applied to educational problems in the home, school and

community. Pre-Requisite: PSYC-101. WOK: Behavioral. Cross-listed: PSYC-202. (Formerly EDUCU-202.) *Grading: Letter Grade*

EDUC-210 Teaching Reading with Trade Books Credits: 3 Presents the theoretical base for how children acquire literacy and develop skills in reading, writing, speaking, and listening, as processes for constructing meaning. A primary focus of the course is to present instructional planning and teaching strategies best designed to accomplish this goal. A second emphasis is an exploration and appreciation of varying genres of children's literature. The two strands of the course are interwoven as students apply their growing knowledge of methodology to the use of literature in the development of instructional units. (Formerly EDUCU-210.) *Grading: Letter Grade*

EDUC-211 Writing Rubrics Credits: 3 Students develop instructional strategies in process writing and writing-to-learn, as integral parts of the language arts curriculum in the elementary classroom. The use of literacy portfolios as tools for documenting literacy development is explored from the perspective of current research. (Formerly EDUCU-211.) *Grading: Letter Grade*

EDUC-222 Foundations of Education Credits: 3 Students explore the historical, philosophical and social foundations of education and their relationship to the present day. Additionally, the course provides a framework and tools to analyze, synthesize and evaluate current issues, practices and procedures related to teachers and the factors that influence their teaching. (Formerly EDUCU-222.) *Grading: Letter Grade*

EDUC-307 Fieldwork in Education: Pre-K Credits: 3 Fieldwork experience where students will observe and participate in educational activities in a pre-school, nursery or day care center. Students participate in schools/settings for at least two half-days per week. Co-Requisite: EDUC-316. (Formerly EDUCU-307.) *Grading: Letter Grade*

EDUC-308 Fieldwork in Education: Grade K - 3 Credits: 3 Fieldwork experience where students will observe and participate in educational activities in a K-3 classroom. Students participate in school settings for at least two half-days per week. Co-Requisite: EDUC-316. (Formerly EDUCU-308.) *Grading: Letter Grade*

EDUC-309 Fieldwork in Education: Grades 4 - 6 Credits: 3 Fieldwork experience where students will observe and participate in educational activities in a grade four through six classrooms. Students will explore multicultural implications of the setting and will design a plan to accommodate various learning styles. Participation in school settings for at least two half-days a week is required. Co-Requisite: EDUC-317. (Formerly EDUCU-309.) *Grading: Letter Grade*

EDUC-316 Elementary Methodology I Credits: 3 Examines all aspects of planning for instruction including materials, curricular organization, and textbook utilization. A

thematic approach to unit planning will be emphasized which emphasizes the integration of all subjects with emphasis on Art and Music strategies. Classroom management strategies will be discussed including motivation, grouping, physical layout, climate and discipline. This course examines the opportunities to extend learning through homework, utilizing community resources, parental involvement and the library. Emphasizes effective student assessment through the use of standardized test interpretation, formative and summative evaluations, portfolios and anecdotal records. Creating a multicultural classroom, understanding gender differences and celebrating diversity will be included. Effective utilization of school support staff will be explored. Multiple Intelligence Theory will be correlated to lesson planning and activities. Co-Requisite: EDUC-307 or EDUC-308. (Formerly EDUCU-316.) *Grading: Letter Grade*

EDUC-317 Elementary Methodology II Credits: 3 Emphasis on two strands: the first will emphasize social studies education; the second will emphasize science education in the elementary classroom. Students will incorporate a thematic approach when planning a unit or lesson as well as integrating Art and Music teaching strategies throughout. It is expected that students will utilize the objectives presented in EDUC-316 in all activities and assessments in this course. Co-Requisite: EDUC-309. Pre-Requisite: EDUC-316. (Formerly EDUCU-317.) *Grading: Letter Grade*

EDUC-326 Strategies for Teaching Mathematics Credits: 3 Students explore the structure of mathematics, sets and numbers, systems of numeration, problem-solving and skill development. The content of elementary school mathematics and the development of strategies for effective teaching of mathematics concepts in K-6 classrooms are emphasized. Students will examine the NCTM Curriculum and Evaluation Standards and Professional Teaching Standards to evaluate curriculum requirements, manipulatives, activities and computer software designed for the elementary school classroom. (Formerly EDUCU-326.) *Grading: Letter Grade*

EDUC-339 Curriculum in Early Childhood Edu I Credits: 3 This two-part, year-long course focuses on the content, methods, and materials involved in programming for young children. Instructional strategies, teacher behaviors, and curriculum trends and their effects on children are presented, as well as programming for infants and toddlers with major emphasis on ages 3-8 years. All pedagogical methodology is related to children's social, emotional, intellectual and physical development. (Formerly EDUCU-149 and EDUCU-339.) *Grading: Letter Grade*

EDUC-340 Curriculum in Early Childhood Ed II Credits: 3 This two-part, year-long course focuses on the content, methods, and materials involved in programming for young children. Instructional strategies, teacher behaviors, and curriculum trends and their effects on children are presented, as well as programming for infants and toddlers with

major emphasis on ages 3-8 years. All pedagogical methodology is related to children's social, emotional, intellectual and physical development. (Formerly EDUCU-150 and EDUCU-240.) *Grading: Letter Grade*

EDUC-341 Admin/Supv of Early Childhood Progr Credits: 3 The administration of programs in early childhood education is the focus of this course which deals with: methods of parent orientation and participation, staff recruitment, relevant legal issues for administrators of early childhood programs, techniques of supervision, observation of staff and evaluation of children's programs. Student will examine, analyze and develop general operating and personnel procedures. (Formerly EDUCU-341.) *Grading: Letter Grade*

EDUC-346 Technology In Education Credits: 3 Introduces students to applications, games, simulations and resource software to enrich and enhance the curriculum including the arts. Students develop their own criteria and strategies for the selection and uses of technology across the curriculum and across grade levels. (Formerly EDUCU-346.) *Grading: Letter Grade*

EDUC-350 Introduction to Special Education Credits: 3 Designed to provide a complete overview of Special Education and the children who receive special education services. Areas of concentration include classifications and definitions, patterns of learning, description of assessment and intervention strategies, legislation, and inclusion. To obtain a broader, more comprehensive perspective, students will conduct research through journal articles, Internet searches, classroom observations and interviews of parents and/or teachers. (Formerly EDUCU-350.) *Grading: Letter Grade*

EDUC-351 Assess/Educ of Exceptional Students Credits: 3 Students examine current practices in assessment of students with disabilities, including the use of multicultural assessments. The course includes a review the issues of standardized testing requirements for these students under state and federal regulations and policies. In addition, constructivist assessment practices, such as portfolios, will be examined for use with children with special needs. Pre-Requisite: EDUC-350. (Formerly EDUCU-351.) *Grading: Letter Grade*

EDUC-354 Education Practice-LD/BD Students Credits: 3 Examination of current research on the needs of students with learning disabilities, attention deficit disorders and emotional/behavioral disorders is the content of this course. Methods for including these students in the regular classroom with lesson plans identifying modifications to the existing curriculum are described. A beginning survey of behavior management techniques will be addressed. Pre-Requisite: EDUC-350. (Formerly EDUCU-354.) *Grading: Letter Grade*

EDUC-420 Student Teaching Credits: 6 The culminating field experience, consisting of observation, participation and actual teaching. Assigned to an elementary school,

either public or private, student teacher is supervised and rated by a cooperating teacher within the school as well as by the college supervisor. Pre-Requisites: cumulative GPA of 3.0; major GPA of 3.0; successful completion of the Praxis I test. Co-Requisite: EDUC-421. (Formerly EDUCU-420.) *Grading: Letter Grade*

EDUC-421 Student Teaching Seminar Credits: 3 This seminar, in support of the field experience, includes weekly conferences to correlate general skills and principles of teaching and learning with the student teaching experience. This course addresses the identification and analysis of problems facing student teachers, and includes workshops on selected target areas. The students will compile their final portfolio according to the exit competencies. Co-Requisite: EDUC-420. Pre-Requisites: cumulative GPA of 3.0; major GPA of 3.0; successful completion of the Praxis I test. Cross-Listed with EDSC-421; GREDE-700 and GRSEC-700. (Formerly EDUCU-421.) *Grading: Letter Grade*

EDUC-490 Independent Study in Education Credits: 3 Variable credit: 1.0 - 3.0. Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

EDUC-498 Senior Seminar in Education Credits: 3 In seminar format, students explore areas of current interest and research not included in structured courses. The course is structured to include group discussions, independent study and research. Students present their research in an oral presentation and a written paper. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: A Writing Intensive course; or IDHP-200. (Formerly EDUCU-498.) *Grading: Letter Grade*

ENGL-100 Essay Writing Credits: 3 Prepares students for ENGL-101: College Writing by helping them to develop fundamental writing skills such as grammar, paragraph development, and organization. Beyond skill development, the class teaches students to read short essays and write their own short essays with purpose and focus. Students learn to see writing as a process as they plan, draft, edit and revise papers. This course does not address research but does introduce students to incorporating outside voices into an essay (through quoting, paraphrasing and summarizing). This course does not satisfy the general education requirement in college writing; students who successfully complete this course with a C- or better must register for ENGL-101: College Writing the following semester. The credits earned for this course may be used as elective credits. (Formerly ENGU-100.) *Grading: Letter Grade*

ENGL-101 College Writing Credits: 3 Prepares students to write in college, focusing on essay writing (the skills, techniques and process of essay writing), argument (analysis, synthesis and development of arguments), and research (the process of locating,

accessing, evaluating, interpreting, and using a variety of sources). Students learn to see writing as a process as they plan, draft, edit and revise papers. Students write multiple papers on the same topic, each time for a different purpose and a different audience in order to develop and deepen a topic and to write for different situations. Students must earn a C- or higher to continue on and must successfully complete this course before taking ILAR-101. (Formerly ENGU-101.) *Grading: Letter Grade*

ENGL-104 Introduction to Literature Credits: 3 WOK: L Introduction and study of the literary elements of fiction, poetry, and drama. Course provides guidelines for analyzing and writing about literature. WOK: Literary. (Formerly ENGU-104/Writing Intensive designation removed following Fall 2010 semester.) *Grading: Letter Grade*

ENGL-105 Advanced College Writing Credits: 3 Instruction builds on material in ENGL-101. Students hone skills in academic writing, critical analysis, and research techniques common to all disciplines. For students who qualify, this course fulfills the general education requirement in college writing however those students who take this course to fulfill the general education requirement must take another course to fulfill the Writing Intensive component of the Core Requirements. This course may fulfill the Writing Intensive component if the student has already taken ENGL-101. (Formerly ENGU-105.) *Grading: Letter Grade/Writing Intensive*

ENGL-110 Elements of the Research Paper Credits: 1.5 Geared towards transfer students who did not take ENGL-101 at the College. Also open to students who may need extra preparation for writing research papers. Reviews the fundamentals of the research process (locating and evaluating sources) and, primarily, integrating sources into one's own writing (interpreting research; ethically summarizing, paraphrasing, and quoting sources; properly documenting sources). To engage in these processes, students will compile an annotated bibliography of reputable sources. Students also will complete short papers/assignments and will participate in peer workshops.

Reviews some common problem areas in grammar and style, such as sentence structure, punctuation, and conciseness, to assist students in writing clearly and for research purposes. *Grading: Pass/Fail Only*

ENGL-160 Literature Into Film Credits: 3 WOK: L A study of the transformation of literary texts into film texts that focuses on the technical, cultural and political aspects of

adaptation and the different capacities and limitations of each medium. WOK: Literary. Pre-Requisites: ENGL-101, ENGL-105 or IDHP-200. (Formerly ENGU-110.) *Grading: Letter Grade*

ENGL-175 The Short Story Credits: 3 WOK: L An investigation of the short story as a formal genre within prose fiction using readings from international and American authors. Attention

is given to the limits and possibilities created by brevity of form. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-175.) *Grading: Letter Grade*

ENGL-190 Modern Japanese Literature Credits: 3 Major Japanese works (in translation) from 1868 to present, with attention to literary history, social conditions, politics, education

and religion. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-190.) *Grading: Letter Grade*

ENGL-201 Shakespeare's Heroes and Heroines Credits: 3 WOK: L A study and in-depth analysis of ten plays including histories, tragedies and comedies. Attention to dramatic art, language, and characters. WOK: Literary. Pre-Requisite: ENGL-101, 105; or IDHP-200. (Formerly ENGU-201: Shakespeare I.) *Grading: Letter Grade*

ENGL-202 Shakespeare in Love and War Credits: 3 WOK: L A study of the sonnets and ten plays not included in ENGL-201. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-202: Shakespeare II.) *Grading: Letter Grade*

ENGL-203 Approaches to Literature Credits: 3 WOK: L WOK: Literary and Writing Intensive. Pre-Requisite: ILAR-101 or IDHP-200. *Grading: Letter Grade/Writing Intensive*

ENGL-204 Writing Literary Non-Fiction Credits: 3 Students will be exposed to forms of literary nonfiction in order to produce their own writing in the genres of the essay, memoir, and new journalism. Readings may include works by Orwell, de Montaigne, Frank McCourt, David Sedaris, Mary Karr and Mark Bowden. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-204.) *Grading: Letter Grade*

ENGL-205 American Poetry Credits: 3 WOK: L A study of the spirit and form that makes American poetry "American." Readings from early American poets to the present with attention to conventions of the genre. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. When offered as a hybrid course, Pre-Requisites may vary. (Formerly ENGU-205.) *Grading: Letter Grade*

ENGL-206 20th C/Contemporary British Poetry Credits: 3 WOK: L Study of British poets from early twentieth-century to the contemporary period. Attention is given to how those poets continue and revise the tradition of British poetry. Periods include World War I, imagism, modernism, "The Movement" and postmodernism. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-206.) *Grading: Letter Grade*

ENGL-225 18th Century British Literature Credits: 3 WOK: L Readings in English literature from the Restoration to the pre-Romantics with emphasis on satire and the beginnings of the novel. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-225.) *Grading: Letter Grade*

ENGL-228 Modern Drama Credits: 3 WOK: L Intensive reading of major American, British and continental dramatists. Emphasizes historical development and staging of plays. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-228.) *Grading: Letter Grade*

ENGL-233 British Romanticism Credits: 3 WOK: L Readings in major poetry and prose of the period covering 1790 -1820, with attention to the origins of the "romantic" movement and the aesthetic and social concerns of the first and second generation of Romantic writers. Authors include Blake, Wordsworth, Coleridge, Byron, Shelley, Keats and Mary Shelley. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-233.) *Grading: Letter Grade*

ENGL-238 Victorian Literature Credits: 3 Readings in major works written during the reign of Victoria (1837-1901) with attention to the religious, scientific, social, and aesthetic "questions" of the time. Authors may include Tennyson, Browning, Arnold, Mill, Ruskin, Morris, Rossetti, Dickens, Bronte, and Hopkins. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-238.) *Grading: Letter Grade*

ENGL-241 Gender and Literature Credits: 3 WOK: L Readings in various genres that investigate gender as a social and literary construction. Attention given to gender and sexual identity relative to historical and cultural conditions and the power relations encoded in those categories for authors and characters alike. Pre-Requisite: ILAR-101 or IDHP-200. WOK: Literary and Writing Intensive. (Formerly ENGU-241.) *Grading: Letter Grade//Writing Intensive*

ENGL-245 American Theater Credits: 3 WOK: L A study of plays from O'Neill to the present. Attention given to the history of early drama in America, with intensive reading of modern plays. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-245.) *Grading: Letter Grade*

ENGL-250 Creative Writing Credits: 3 Students improve their writing by analyzing themes and techniques of major writers. Students submit their own stories, plays or poems to the class to critique. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-250.) *Grading: Letter Grade*

ENGL-251 African American Writers Credits: 3 WOK: L Readings in all genres of African-American literature covering historical periods including slavery, Reconstruction, the Harlem Renaissance, Civil Rights and black arts movements and the contemporary scene. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-250.) *Grading: Letter Grade*

ENGL-264 Early American Lit/Contact to1820 Credits: 3 WOK: L Readings in American literature that cover texts from the moment of contact, Native American texts, Puritan texts including sermons, captivity narratives, early American poetry and fiction, and works by Founding Fathers. Authors may include

Winthrop, Bradford, Smith, Bradstreet, Edwards, Franklin, Wheatley, Jefferson, and Apress. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-264.) *Grading: Letter Grade*

ENGL-265 American Romanticism/1820-1865 Credits: 3 WOK: L Readings in all genres of American literature that cover the birth of a vibrant American literary scene including but not limited to authors such as Hawthorne, Poe and Melville, Emerson, Thoreau, Douglas, Jacobs, Fuller, and Whitman. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ANGU-265.) *Grading: Letter Grade*

ENGL-266 Modern Am Literature/1865 to 1945 Credits: 3 WOK: L Readings in all genres of American literature that cover literary movements including Realism, Naturalism, Regionalism, and Modernism and feature writers such as Twain, Dickinson, Crane, DuBois, Fitzgerald, O'Neill, Eliot, Hemingway, Hughes and Hurston. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-266.) *Grading: Letter Grade*

ENGL-267 Contemporary Am Lit/1940 to Present Credits: 3 WOK: L Readings in all genres of American literature that cover the Beat movement, the Civil Rights and black power movements, metafiction, post-modernism and the emergence of ethnic voices in American literature. Authors may include Williams, Ginsberg, Plath, Baldwin, Ellison, Roth, Bellow, Momaday, Vonnegut, Capote, Mailer, Lorde, Rich, O'Brien and Morrison. WOK: Literary. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-267.) *Grading: Letter Grade*

ENGL-270 Writing Short Fiction Credits: 3 Offers students an in-depth exploration of short fiction writing, both traditional short stories and "flash: fiction, which is an increasingly popular and very short form of fiction writing. Concentrates on the fundamentals of short story writing such as character, voice, and plot. Pre-Requisite: ENGL-250. (New course Spring 2012.) *Grading: Letter Grade*

ENGL-275 Writing the Graphic Novel Credits: 3 Offers an introductory yet rigorous encounter with a sub-genre that is receiving much academic and popular attention. Students will read and analyze a number of graphic texts (fiction and non-fiction) for an understanding of the narrative and visual components of the form in preparation for the composition individually or in collaboration of a graphic text. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (New course Spring 2012.) *Grading: Letter Grade*

ENGL-280 American Literature of the 1920s Credits: 3 WOK: L Analysis of some of the most influential American writers at home and abroad in the 1920s, including ex-patriots Hemingway, Fitzgerald, Eliot, Stein and other Americans writing in the aftermath of World War I. WOK: Literary and Writing Intensive. Pre-Requisite: ILAR-101 or IDHP-200. (Formerly ENGU-280.) *Grading: Letter Grade//Writing Intensive*

ENGL-281 Special Topics in English Lit Credits: 3 Topics vary by semester. Repeatable for credit. *Grading: Letter Grade*

ENGL-300 James Joyce and Ulysses Credits: 3 WOK: L A guided reading of what has been called "one of the most important novels of the twentieth century" with attention to Joyce's position in the European modernist movement and in Irish post-colonial politics. WOK: Literary. (Formerly ENGU-300.) *Grading: Letter Grade*

ENGL-301 American Novel Credits: 3 WOK: L Readings of American novels with an emphasis on understanding the conventions of the genre. Selections from Twain to the present with emphasis on the major movements in American fiction: Romanticism, Realism, Naturalism. WOK: Literary and Writing Intensive. Pre-Requisite: ILAR-101 or IDHP-200. (Formerly ENGU-301.) *Grading: Letter Grade//Writing Intensive*

ENGL-305 Writing Poetry Credits: 3 Permission of Instructor required. (New course Spring 2012.) *Grading: Letter Grade*

ENGL-338 Age of Chaucer Credits: 3 WOK: L A study of the Canterbury Tales and readings of other medieval works with their relation to art, music and literature. Studies Middle English and its origins. WOK: Literary. Pre-Requisites: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-338.) *Grading: Letter Grade*

ENGL-340 American Seminar Credits: 3 Seminar study of a single author or selected authors connected by a theme or historical movement in American literature. Readings from primary texts as well as literary criticism relevant to those texts lead to a focused research project. Possible seminar topics could include: the novels of Toni Morrison, a Hemingway-Fitzgerald seminar, the Harlem Renaissance, or the Beat Generation. Repeatable for credit. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-340.) *Grading: Letter Grade*

ENGL-342 British Seminar Credits: 3 Seminar study of a single author or selected authors connected by a theme or historical movement in British literature. Readings from primary texts as well as literary criticism relevant to those texts lead to a focused research project. Possible seminar topics could include: children in Blake and Dickens, Modernist Writers in the 1930s; Larkin and the Movement Poets, novels of empire and return. Repeatable for credit. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-342: Brit Lit Sem:Contemp British.) *Grading: Letter Grade*

ENGL-488 Research Writing Credits: 3 Provides students with an opportunity to practice discipline-specific research and research writing techniques and to learn how to plan and organize the research and writing process in preparation for the Senior Seminar project. Pre-Requisite: ENGL-101, ENGL-105, or IDHP-200. (Formerly ENGU-267.) *Grading: Letter Grade*

ENGL-490 Independent Study in English Lit
Credits: 3 Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

ENGL-498 Senior Seminar in English *Credits: 3*
Capstone experience for the English and the English /Communication major. Forms of critical theory, skills of research and critical analysis will be reviewed as students work toward the production of a final thesis, necessary for graduation in the major. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisites: ENGL-488; and a Writing Intensive course or IDHP-200. (Formerly ENGL-498.) *Grading: Letter Grade*

ESOL-101 Basic Engl Skills/Non-Native I
Credits: 3 An integrated skills class focusing on readings about American cultures and issues. Emphasizes developing vocabulary and increasing ability to participate comfortably in class discussions. (Formerly ESLU-101.) *Grading: Letter Grade*

ESOL-102 Basic Engl Skills/Non-Native II
Credits: 3 An integrated skills class with practice in writing academic essays, note taking, and independent editing skills. Appropriate readings; focus on speaking and listening. (Formerly ESOLU-102.) *Grading: Letter Grade*

ESOL-103 Inter/English Skills for Non-Native
Credits: 3 An integrated skills class focusing on readings about American cultures and issues. Emphasizes developing vocabulary and increasing ability to participate comfortably in class discussions. (Formerly ESOLU-103.) *Grading: Letter Grade*

ESOL-104 Introduction to American Culture
Credits: 3 A course for non-native speakers designed to foster continued development of reading and speaking skills. Different aspects of American culture are examined. Survival study skills will also be practiced. (Formerly ESOLU-104.) *Grading: Letter Grade*

ETHS-201 Ethics *Credits: 3* The primary goals are to promote students' (1) awareness of ethical questions and knowledge of their historical contexts from antiquity to the present; and (2) ability to critically interpret and evaluate philosophical texts, positions, and arguments. A significant portion of the class will be dedicated to the study of the major ethical schools of thought. The class will also endeavor to inspire students to come to a recognition of some of their own cultural biases regarding ethical decision making. In particular, we will examine a variety of ethical issues by focusing on forms or ideals of life (How should one/I live? What is the good life?), and models for relating to others (Why should I care about or be just toward others? Do we need friendship, love, community, and justice? What are just social relations?). (New course Fall 2011.) *Grading: Letter Grade*

FINA-181 Intro to Investments and Securities
Credits: 3 *WOK: B* Introduction to the stock market, its regulations and operations. Some

attention is given to other negotiable instruments and their markets. *WOK: Behavioral.* Pre-Requisite: ECON-101. (Formerly BFINU-181.) *Grading: Letter Grade*

FINA-304 Corporate Finance *Credits: 3* *WOK: B* A study of the trade-off between risk and return, time value of money, valuation of stocks and bonds, cash flow analysis, calculation of additional funds needs for a venture, cost of capital, as well as decisions related to the uses of alternate sources of funds. *WOK: Behavioral.* Pre-Requisites: ACCT-104; MATH-201; and ECON-201. (Formerly BFINU-304.) *Grading: Letter Grade*

FINA-336 Financial Markets and Institutions
Credits: 3 Financial markets and institutions, organization, structure, and regulation of financial markets will be studied. Functions of intermediaries, nature and role of interest rates, term structure and forecasting, the impact of regulation on financial markets, and current developments in the financial system are among the topics discussed. Pre-Requisite: FINA-201. (Formerly BFINU-336.) *Grading: Letter Grade*

FINA-352 International Financial Management *Credits: 3* The financial operation of multinational corporations and financial institutions with an emphasis on the international financial environment, foreign exchange and risk management, multinational working capital management, foreign investment analysis, financing foreign operations and international banking. Pre-Requisites: BUSN-101; ECON-102; and ECON-211. FINA-201 is recommended but not required. (Formerly BFINU-352.) *Grading: Letter Grade*

FINA-490 Independent Study in Finance
Credits: 3 Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

FLED-352 Special Methods in Foreign Language *Credits: 3* (Formerly FLU-317.) *Grading: Letter Grade*

FREN-101 Elementary French I *Credits: 3*
Introduction to the French language for students with little or no previous experience. Focuses on the four skills of reading, writing, speaking, and understanding and the five National Standards for language learning, and incorporates the ACTFL proficiency guidelines. Includes audio-visual materials, and Internet resources. (Formerly FREN-101.) *Grading: Letter Grade*

FREN-102 Elementary French II *Credits: 3*
This course continues the basics of the French language for students with at least one semester of preparation or the equivalent. It focuses on the four skills of reading, writing, speaking, and understanding and the five National Standards for language learning. It also incorporates the ACTFL proficiency guidelines and includes audio-visual materials and internet resources. (Formerly FREN-102.) *Grading: Letter Grade*

FREN-103 Intermediate French I *Credits: 3* A review of the basics of French for students

with some experience in the language, along with the development of reading, writing, speaking and listening skills. Focuses on the National Standards for language learning and incorporates the ACTFL proficiency guidelines. Includes audio-visual materials and Internet resources. (Formerly FREN-103.) *Grading: Letter Grade*

FREN-104 Intermediate French II *Credits: 3*
This course completes the basic structures of the French language. It prepares the student to enter more advanced courses, and aims for proficiency at the intermediate mid level. It incorporates the National Standards for language learning, the ACTFL proficiency guidelines, and includes audio-visual materials and internet resources. (Formerly FREN-104.) *Grading: Letter Grade*

FREN-221 Grammaire et Composition Avancée *Credits: 3*
Presents more advanced points in French grammar, stylistics, and the organization of paragraphs and essays. It will include practical exercises in elementary translation and the comparative study of English and French, highlighting cultural and linguistic differences, especially in contemporary written and spoken French. Includes frequent oral and written reports, and translations. *WOK: Writing Intensive.* Pre-Requisite: ILAR-101 or IDHP-200. (Formerly FREN-221.) *Grading: Letter Grade//Writing Intensive*

FREN-222 French for Oral Proficiency *Credits: 3*
Uses a variety of materials, such as articles, short stories, plays, sample conversations, audio-visual and internet resources, films, and practice in French phonetics, to enable students to approach a score of at least Intermediate High on the ACTFL Oral Proficiency Interview. (Formerly FREN-222.) *Grading: Letter Grade*

FREN-228 Le Français Commercial *Credits: 3*
A study of vocabulary, composition, letter writing and conversation aimed at developing communication skills in French, with emphasis on business and commercial terminology, case studies, and the use of audio visual and Internet sources. (Formerly FREN-228.) *Grading: Letter Grade*

FREN-231 Intro à la Culture Française/Hist
Credits: 3 Aims to develop proficiency in oral and written French and to intensify reading skills through a study of French and Francophone culture. Includes conversation, oral exposés, composition, and grammar as needed. Readings are drawn from French culture and literature and Internet sources. French 231 focuses on the historical roots of French culture. Special emphasis will be given to the diversity of cultures, traditions, and languages contributing to the richness of life in various regions of the Francophone world. (Formerly FREN-231.) *Grading: Letter Grade*

FREN-232 Intro à la Culture Française/Contmp *Credits: 3*
Deals with contemporary France and aims to develop proficiency in oral and written French and to intensify reading skills through a study of French and Francophone culture. Includes

conversation, oral exposés, composition, and grammar as needed. Readings are drawn from French culture and literature and Internet sources. Special emphasis will be given to the diversity of cultures, traditions, and languages contributing to the richness of life in various regions of the Francophone world. (Formerly FREN-232.) *Grading: Letter Grade*

FREN-233 Expériences/Civilisation Française *Credits: 2* A series of preliminary lectures, seminars and projects followed by a study session abroad. The student experiences the language and the people by total immersion in the culture of the country. (Formerly FREN-233.) *Grading: Letter Grade*

FREN-234 Contemporary Culture/French Regions *Credits: 3* Comparative study of selected readings focusing on diversity of life in the various regions of France. Oral presentations, discussions, audio-visu-als. For students with a good reading knowledge and comprehension of French. *Grading: Letter Grade*

FREN-281 Special Topics in French *Credits: 3* Repeatable for credit. Topics vary by semester. *Grading: Letter Grade*

FREN-341 Le Dix-septième Siècle *Credits: 3* *WOK: L* Explores the theme of classicism through the Golden Age of French literature, with special emphasis on Corneille, Racine, Molière, Descartes, and Pascal. Addresses the cultural and artistic impact of the period, the developing quest for spirituality, the contributions of women in seventeenth-century France as well as social and political inequalities. *WOK: Literary.* (Formerly FREN-341.) *Grading: Letter Grade*

FREN-342 Le Siècle des Lumières *Credits: 3* *WOK: L* Focuses on the eighteenth century with the contributions of the philosophes and their vision of progress and a new world order. Explores the roots and realities of the French Revolution. *WOK: Literary.* (Formerly FREN-342.) *Grading: Letter Grade*

FREN-353 Romantisme et Réalisme *Credits: 3* *WOK: L* A study of emerging individual consciousness through authors such as Chateaubriand, Victor Hugo and Balzac, along with cultural and artistic manifestations within a new political society. Reaction to romanticism in the realism and naturalism of Flaubert and Zola; the visionary role of Baudelaire and the symbolist poets. *WOK: Literary.* (Formerly FREN-353.) *Grading: Letter Grade*

FREN-354 Le Vingtième Siècle *Credits: 3* *WOK: L* A study of modern society as reflected in its literary evolution from Proust through the nouveau roman and the théâtre de l'absurde to writers at the end of the century. *WOK: Literary.* (Formerly FREN-354.) *Grading: Letter Grade*

FREN-355 Le Classicisme Éternel *Credits: 3* *WOK: L* Focuses on the classical sources that contributed to the formation of the French literary and artistic tradition in the seventeenth century, and which reappears especially in the twentieth century. Classical

authors such as Corneille, Racine, and Molière will be considered, along with their modern counterparts, such as Giraudoux, Gide, Camus and Sartre. *WOK: Literary.* (Formerly FREN-355.) *Grading: Letter Grade*

FREN-361 La Littérature Francophone *Credits: 3* *WOK: L* An exploration of literary texts, including poetry, theater, and novels, from Africa, the Antilles, and Canada, as well as those issues—linguistic, social, historical, and geographic—which add a deeper understanding of these areas. *WOK: Literary.* (Formerly FREN-361.) *Grading: Letter Grade*

FREN-401 Internship in French *Credits: 3* Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. (Formerly FREN-401.) *Grading: Pass/Fail Only*

FREN-481 Advanced Special Topics in French *Credits: 3* An intensive study of a specific period or topic in French literature. Repeatable for credit. (Formerly FREN-481.) *Grading: Letter Grade*

FREN-498 Senior Seminar in French *Credits: 3* Designed to integrate, enrich and deepen the student's understanding and appreciation of French literature. Develops a theme basic to the development of literature, explored through group discussion, individual seminars and papers. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: A Writing Intensive course; or IDHP-200. (Formerly FREN-498.) *Grading: Letter Grade*

FYIN-100 First Year Initiative/ *Credits: 1* Course required for graduation for students in the School of Undergraduate Studies. Graded Pass/Fail only. Credits do not count towards graduation. (Formerly FYIU-100.) *Grading: Non-Academic Pass/Fail*

FYIN-101 Career Connections *Credits: 1* Course required for graduation for students in the School of Undergraduate Studies. Graded Pass/Fail only. Credits do not count towards graduation. (Formerly FYIU-101.) *Grading: Non-Academic Pass/Fail*

GEOG-201 World Geography: Humanity/Environ *Credits: 3* Introduces the student to the discipline of geography. It includes the following topics: the role of geography in the past and present; the tools used by geographers (including new technologies); an introduction to the physical and cultural geography of the world; and the impact of geography today. (Formerly GEOGU-101.) *Grading: Letter Grade*

GERM-101 Elementary German I *Credits: 3* Intended for students with little or no previous knowledge of German. Focuses on the four skills of reading, writing, speaking, and understanding and the five National Standards for language learning. (Formerly GERU-101.) *Grading: Letter Grade*

GERM-102 Elementary German II *Credits: 3* This course continues the basics of the

German language for students with at least one semester of preparation or the equivalent. It focuses on the four skills of reading, writing, speaking, and understanding and the five National Standards for language learning. It also incorporates the ACTFL proficiency guidelines and includes audio-visual materials and internet resources. (Formerly GERU-102.) *Grading: Letter Grade*

GERM-103 Intermediate German I *Credits: 3* Designed for the student with some experience of German. Emphasis on grammar and conversation. Focuses on the National Standards and proficiency guidelines. (Formerly GERU-103.) *Grading: Letter Grade*

GERM-104 Intermediate German II *Credits: 3* This course completes the basic structures of the German language with a focus on reading and composition. It prepares the student to enter more advanced courses, and aims for proficiency at the intermediate low to mid level. It incorporates the National Standards for language learning, the ACTFL proficiency guidelines, and includes audio-visual materials and internet resources. (Formerly GERU-104.) *Grading: Letter Grade*

GERM-481 Advanced Special Topics in German *Credits: 3* An intensive study of a specific period or topic of German History, Culture, Civilization or Literature. Repeatable for credit. (Formerly GERU-481.) *Grading: Letter Grade*

GLST-201 Global Awareness Seminar *Credits: 3* Explores the economic, political, social, environmental, and/or cultural roots of global conflicts, the risk of catastrophic confrontations, and the potential of peaceful resolutions. Topics in this course vary depending on the expertise of the teaching faculty and the world situation. Students read world press and literature, are introduced to global theorists and scholars, and engage global concepts through class discussions and course assignments. Experiential learning is incorporated in the course, including a service learning project and a visit to the United Nations or equivalent UN-related activities. Pre-Requisite: ILAR-101 or IDHP-200. (Formerly GSU-201.) *Grading: Letter Grade*

GLST-281 Special Topics in Global Studies *Credits: 3* Permission of instructor required. May be substituted for GLST-201 to meet the graduation requirement. (New course Spring 2011.) *Grading: Letter Grade*

HIST-101 West Civ-Antiquity to Renaissance *Credits: 3* *WOK: H* Designed as a general survey of all significant political, economic, social, and cultural developments which affected Europe from Antiquity until the Renaissance *WOK: Historical.* (Formerly HISTU-101.) *Grading: Letter Grade*

HIST-102 West Civ-Protestant Reform to Pres *Credits: 3* *WOK: H* Designed as a general survey of all significant political, economic, social, and cultural developments which affected Europe from the Protestant Reformation until the present day. *WOK: Historical.* (Formerly HISTU-102.) *Grading: Letter Grade*

HIST-104 Topics in Global History Credits: 3
WOK: H Analyzes selected topics in modern world history from the eighteenth century until the present day. Topics for study include: industrialization and the emergence of nation states, imperialism, global war, revolution, the Holocaust, decolonization, globalization, and religious fundamentalism. Primary attention will focus upon political, social, cultural, and intellectual trends. WOK: Historical. (Formerly HISTU-104.) *Grading: Letter Grade*

HIST-106 Survey of Women's History Credits: 3
WOK: H A general survey in the history of women from antiquity to the present. Special emphasis is given to women's roles, their work, and their place in society. While the course will focus on Europe and America, women's experiences globally will also be considered. WOK: Historical. (Formerly HISTU-106.) *Grading: Letter Grade*

HIST-110 History of East Asia Credits: 3
WOK: H A multidisciplinary approach to the study of the history, peoples, and cultures of East Asia with particular emphasis on China and Japan. Topics include: Western Imperialism in East Asia, political and social revolution in China, the rise of Japan, World War II, decolonization, the present role of East Asia in modern global society, and the effects of tradition and Westernization on the social structure and economy in the region. WOK: Historical. *Grading: Letter Grade*

HIST-141 Amer Survey: Colonial - Civil War Credits: 3
WOK: H An exploration of the major movements, events, persons, and ideas of American history from the colonial period to the aftermath of the Civil War. Includes the European background to American history, colonial life, the American Revolution and Constitution, the evolution of the Supreme Court, political developments, comparisons of the Enlightenment and Romanticism, territorial expansion, growth of technology and the economy, important aspects of American material, intellectual, and popular culture, the Civil War and its legacies. Highlights American history from colonial days to the present. WOK: Historical. (Formerly HISTU-142.) *Grading: Letter Grade*

HIST-142 Amer Survey: Reconstruction - Pres Credits: 3
WOK: H An exploration of the major movements, events, persons, and ideas of American history from the end of the Civil War to the present day. Includes the Industrial Revolution and growth of cities, progressive reform, and the nation's rise to world power. World War I, the roaring twenties, the Great Depression and the New Deal, World War II, the Cold War, the Sixties counterculture, civil rights and the gender revolution, the rise and decline of presidential power, the evolution of political parties, the role of the Supreme Court, the importance of science and technology, major ideas of the late nineteenth and twentieth centuries, material and popular culture. WOK: Historical. (Formerly HISTU-142.) *Grading: Letter Grade*

HIST-200 Ancient Near Eastern/Mediterranean Credits: 3
WOK: H Studies the problem of integrating material culture evidence with the documentary

record in the study of ancient history. The focus is on interaction in the Near Eastern and Mediterranean World during the Late Bronze Age. Records of diplomacy, arranged marriages, and gift exchange among the kings of Egypt, Turkey, Iraq, Israel, Syria, and Cyprus are compared to the material evidence for contact. Power relations among peers and subordinates are also addressed. WOK: Historical. (New course Spring 2011.) *Grading: Letter Grade*

HIST-201 Ancient Greece Credits: 3
WOK: H Surveys the cultural, social, economic and political development of ancient Greek history beginning with the earliest invasions and concluding with the Roman conquest. Topics include: the Minoans and Mycenaeans, Archaic and Classical Greece, the Peloponnesian Wars, and the Hellenistic Age. WOK: Historical. (Formerly HISTU-201.) *Grading: Letter Grade*

HIST-202 Ancient Rome Credits: 3
WOK: H Surveys Rome from its earliest foundations to its emergence as an empire and its eventual decline. Topics include the Etruscan background; Republican Rome; the Punic Wars; social and political problems of the Republic; collapse of the Republic; the Roman Empire; Roman culture; Christianity; and the fall of the empire. WOK: Historical. (Formerly HISTU-202.) *Grading: Letter Grade*

HIST-204 Medieval Europe/Surrounding World Credits: 3
WOK: H Explores the nature of European civilization from the fall of the Roman Empire to the beginnings of the Renaissance. Also studies the impact upon Medieval Europe of the Byzantine Empire and Islamic societies. Topics include: the Papacy, Byzantium, monasticism, feudalism, Romanesque and Gothic art and architecture, the Islamic challenge, the Crusades, medieval cities and commerce, the growth of monarchy, the Bubonic Plague. WOK: Historical. (Formerly HISTU-204.) *Grading: Letter Grade*

HIST-205 Renaissance/Reformation: 1450-1648 Credits: 3
WOK: H Studies the waning of the Middle Ages and forms of new culture and new institutions in Europe. Topics include: the Renaissance and the new humanism, the Protestant Reformation, Catholic reform and counter-reformation, the Thirty Years War. WOK: Historical. (Formerly HISTU-205.) *Grading: Letter Grade*

HIST-210 Europe in the 20th Century Credits: 3
WOK: H A survey of Europe from the Belle Époque through the end of the Cold War. Topics include: the Great War, the Russian Revolution, the women's movement, totalitarianism, World War II, post-war reconstruction, decolonization, European Economic Community, and the break-up of the Soviet Union. WOK: Historical. (Formerly HISTU-210.) *Grading: Letter Grade*

HIST-212 Culture/Society in Modern Europe Credits: 3
WOK: H An introduction to the study of labor, the family, popular culture, the arts, class conflict, and social movements since the Industrial Revolution. Special emphasis is placed on developments in Great

Britain, France, Germany, Italy, and Russia. WOK: Historical. (Formerly HISTU-212.) *Grading: Letter Grade*

HIST-214 20th Century Germany Credits: 3
WOK: H The History of Germany and the German speaking lands in the twentieth century. Topics discussed: the era of Kaiser Wilhelm II, the First World War, the Weimar Republic, the rise of Adolf Hitler and National Socialism, the Second World War, the Holocaust and anti-Semitism, West and East Germany in the age of the Cold War and the EEC, and the re-unified German nation. WOK: Historical. (Formerly HISTU-214.) *Grading: Letter Grade*

HIST-218 French Revolution Credits: 3
WOK: H A detailed analysis of the European revolutionary era of 1789-1815 with particular emphasis on the old regime, the Enlightenment, popular culture, the course of the Revolution and the Reign of Terror. WOK: Historical/Writing Intensive. Pre-Requisite: ILAR-101 or IDHP-200. (Formerly HISTU-218.) *Grading: Letter Grade//Writing Intensive*

HIST-219 France and the Modern World Credits: 3
WOK: H Focuses on France from the Bourbon Restoration of Louis XVIII to the Fifth Republic of Nicolas Sarkozy. Emphasis is placed on political, social, and cultural developments from 1815 to the present. Topics include: Industrial Revolution, French colonialism, women in French society, bohemian Paris, fascism and anti-Semitism, the student movement of the 1960s and the course of French socialism; immigration, and the European Union. WOK: Historical/Writing Intensive. Pre-Requisites: ILAR-101 or IDHP-200. (Formerly HISTU-219.) *Grading: Letter Grade//Writing Intensive*

HIST-220 Rise and Fall of the Soviet Union Credits: 3
WOK: H Examines the history of Russia in the 20th century from the 1905 revolution through the break-up of the Soviet Union. Topics include: the old czarist regime, Lenin and the Bolshevik seizure of power, the Civil War, Stalin and the Five Year Plans, Soviet society, the "new woman," the Gulag experience, de-Stalinization, the Gorbachev experiment, the "new" Russia under Vladimir Putin, and the age of free market reform. WOK: Historical. (Formerly HISTU-220.) *Grading: Letter Grade*

HIST-224 History of Gr Britain/Tudors-Pres Credits: 3
WOK: H Highlights the cultural, social, political and economic development of modern Britain from the Tudors to the present. Special consideration is given to: Shakespearean England, the English Civil War, the growth of Parliament, Industrialization, Imperialism, women's suffrage, the Irish question, the two World Wars, and contemporary British society. WOK: Historical. (Formerly HISTU-224.) *Grading: Letter Grade*

HIST-226 Europe in the Age of World War Credits: 3
WOK: H This survey will consider the development of Europe in the first half of the 20th Century. Specifically, it will look at how this period was characterized by unprecedented violence, culminating in civil and global war, revolution, and genocide. The

focus of the course will be on World War I and World War II, examining not only the political and military cost of global warfare, but also understanding the human and psychological cost of world conflict and its implications for the remainder of the century. WOK: Historical. (Formerly HISTU-226.) *Grading: Letter Grade*

HIST-228 Women in Modern European Society *Credits: 3 WOK: H* Focuses on the economic, social, political and cultural position of women in Great Britain and Western Europe from mid-eighteenth century to the present. Examines industrial society's impact on women in the workplace, within the family, and in the political sphere. WOK: Historical. (Formerly HISTU-228.) *Grading: Letter Grade*

HIST-231 History of Am Foreign Relations *Credits: 3 WOK: H* The development of American foreign policy and its relationship to social, economic, political, and cultural forces. WOK: Historical. (Formerly HISTU-231.) *Grading: Letter Grade*

HIST-233 America and the Two World Wars *Credits: 3 WOK: H* Describes and analyzes the many ways in which World War I and World War II changed the United States, including the country's role in world affairs, wartime mobilization, the expansion of government, the revolution in manners and morals, the great depression, the baby boom, the GI Bill, the expansion of higher education, civil rights, the role of women in American life, the cold war, scientific research, the nuclear age, and much more. WOK: Historical. (Formerly HISTU-248.) *Grading: Letter Grade*

HIST-236 Progressive America: 1900-1940 *Credits: 3 WOK: H* Explores the similarities and differences between the two great reform movements of the first half of the twentieth century: the Progressive Era and the New Deal. Topics include the settlement house movement, women's suffrage, prohibition, the social gospel, political reform, problems of the city, "normalcy" and the critics of progressivism, the progressive education movement, the influence of movies and the radio, the Great Depression, the rise of entitlements and the welfare state, the realignment of political parties, the emergence of the modern presidency and its critics, and the New York World's Fair of 1939. WOK: Historical. (Formerly HISTU-236.) *Grading: Letter Grade*

HIST-245 The 1960s and its Legacies *Credits: 3 WOK: H* Examines the great upheavals in American life during the 1960s and early 1970s and their on-going consequences. Topics include the baby boom, hippies, the counterculture, the new left, the sexual revolution, women's liberation, changing family patterns, civil rights, the revival of ethnic consciousness, the Vietnam War, suburbanization, political correctness, multiculturalism, the renewal of conservatism, the moral majority, casual dress, the reassertion of Congressional authority, and fears of American decline. WOK: Historical. (Formerly HISTU-245.) *Grading: Letter Grade*

HIST-246 History of Vietnam *Credits: 3 WOK: H* Studies the history of Vietnam and the region of the world known as Southeast Asia. The course's focal point is on the land, history, and culture of Vietnam. It also will center on American involvement from its aid to the French, through the fall of Saigon, to the normalization of relations with Vietnam. A student trip to the Philadelphia Vietnam Memorial is a requirement of the course. WOK: Historical. *Grading: Letter Grade*

HIST-247 African Americans/Age of Slavery *Credits: 3 WOK: H* Examines the development and experiences of the African American community during the age of slavery. We will focus on the development of African American culture and an in-depth examination of the slave community, family, and religion. The course considers the growth of the free black community and the creation of black political, social, and economic ideologies and institutions. Particular topics include the struggle against slavery, slave insurrections, the abolitionist movement, and the Civil War. WOK: Historical. (Formerly HISTU-247.) *Grading: Letter Grade*

HIST-248 African Am Since Emancipation *Credits: 3 WOK: H* Examines the development of the African American community in the United States since emancipation. We will chronologically and thematically explore the process of reconstruction, segregation, disenfranchisement, migration, and urbanization and the rise of African American protest organizations, black nationalism, the Harlem Renaissance, and the modern day civil rights movement. Special attention will be given to the social, economic, political, religious, and cultural forces inside and outside of the African American community that have helped shape the course of African American history. WOK: Historical. (Formerly HISTU-248.) *Grading: Letter Grade*

HIST-250 Pennsylvania Experience *Credits: 3 WOK: H* As one of the original English settlements and then as one of the first states in the Union, Pennsylvania boasts a history that extends from the colonial period to the present. This course will look at Pennsylvania as a microcosm of American life and will examine such issues as Native American cultures, ethnic diversity and ethnic conflict, social stratification, geography, architecture, religious history, political development, revolution and civil war, agriculture, industrialization, urbanization, and suburbia. WOK: Historical. (Formerly HISTU-250.) *Grading: Letter Grade*

HIST-270 History of Chestnut Hill *Credits: 3 WOK: H* A history of the Chestnut Hill section of Philadelphia with an emphasis on its social development over the past century. Students will be introduced to basic techniques in researching and writing local history. The course will include field trips, slide lectures, and student presentations. WOK: Historical. (Formerly HISTU-270.) *Grading: Letter Grade*

HIST-275 Film and History *Credits: 3 WOK: H* Examines the relationship between film and history. Emphasizes the historical and aesthetic concerns at work upon particular

directors. The format consists of weekly film showings, lectures and discussion. Students read critical historical works. Among the directors to be studied are: Eisenstein, Chaplin, Capra, Welles, Renoir, Bergman, Truffaut, Hitchcock, Fellini, Kurosawa, Satyajit Ray, and Buñuel. WOK: Historical. (Formerly HISTU-275.) *Grading: Letter Grade*

HIST-281 Special Topics in History *Credits: 3 WOK: H* Topics vary by semester. WOK: Historical. Repeatable for credit. *Grading: Letter Grade*

HIST-322 Genocide in the Modern World *Credits: 3 WOK: H* This seminar will concentrate on the nature of genocide in the 20th century. Students will examine the definition and meaning of genocide in the modern world, focusing on five case studies: Armenia (1915-23), the Nazi Holocaust (1933-45), Cambodia (1975-79), Rwanda (1994), and Bosnia (1992-95). It will look at the historical forces and trends at work leading to each genocide and its long-range impact on the victim population. WOK: Historical/Writing Intensive. Pre-Requisite: ILAR-101 or IDHP-200. (Formerly HISTU-322.) *Grading: Letter Grade//Writing Intensive*

HIST-330 Women's Activism/Modern World *Credits: 3 WOK: H* This seminar focuses on the public role of women in terms of their activism in key events shaping their world from the French and American Revolutions to the present. The clash between society's perceptions of women's "proper sphere" and the reality of women's experiences will be examined. Topics include: collective action and the revolutionary crowd, war and women's work, women in totalitarian societies, resistance and retribution, the Nazi Holocaust, pacifism and the Women's International League for Peace and Freedom. WOK: Historical and Writing Intensive. Pre-Requisite: ILAR-101 or IDHP-200. (Formerly HISTU-330.) *Grading: Letter Grade//Writing Intensive*

HIST-332 Cities and Suburbs *Credits: 3 WOK: H* A study of American cities and their suburbs from the colonial period to the present. Students examine growth patterns, immigration, social, ethnic, and racial contours, economic and technological factors, architecture, politics, reform movements, religion, urban planning, and the art and architecture spawned by cities and suburbs. WOK: Historical. (Formerly HISTU-332.) *Grading: Letter Grade*

HIST-334 The American Presidency: A History *Credits: 3 WOK: H* Considers the evolving scope of the American presidency from the Constitutional Convention of 1787 to the present day. Stresses the growing power of the presidency, the shifting contours of presidential elections, and the lives of important presidents within the wider context of American and world history. WOK: Historical. (Formerly HISTU-334.) *Grading: Letter Grade*

HIST-343 The Civil War and American Life *Credits: 3 WOK: H* Examines the great, tragic epic of American life, the Civil War of 1861-

1865. Students examine the roots of the Civil War, the major issues of the conflict, life during the war (in the military as well as on the home front), the reason for northern victory and southern defeat, and the many important legacies of this seminal time in the nation's History. WOK: Historical. (Formerly HISTU-343.) *Grading: Letter Grade*

HIST-397 Junior Research Methods Seminar *Credits: 3* An introduction to the historical method through research of both primary and secondary sources on a selected topic and resulting in the writing of a paper with a clearly defined thesis. Pre-Requisite: History majors with junior status. (New course Spring 2012.) *Grading: Letter Grade*

HIST-401 Internship in History *Credits: 3* Permission of instructor/department required. Variable credit 1.0 to 3.0. Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. *Grading: Pass/Fail Only*

HIST-403 Fieldwork in History *Credits: 3* Work with historical societies, archives, governmental agencies, newspapers, law firms, corporations, parks, etc., where students' activities are related to historical topics and concerns. Involves directed readings and independent study. Students will receive a letter grade; course not applicable to History major elective requirements. Repeatable for credit. (Formerly HISTU-401 and HISTU-402.) *Grading: Letter Grade*

HIST-490 Independent Study in History *Credits: 3* Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

HIST-497 History and Historiography *Credits: 3* Introduction to Historiography and the development of the methods used by historians from the ancient world to the present. Usually taken in the Fall of the student's Senior year. (Formerly HISTU-497.) *Grading: Letter Grade*

HIST-498 Senior Seminar in History *Credits: 3* The Senior Seminar is the culmination of the major's work in history. As a capstone seminar, it represents the student's "best work" in terms of research and writing and in demonstrating an advanced level of critical thinking and a sophisticated mastery of historical research skills. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisites: HIST-497; and a Writing Intensive course or IDHP-200. (Formerly HISTU-498.) *Grading: Letter Grade*

HSVC-105 Introduction to Human Services *Credits: 3 WOK: B* Designed to introduce students to the role of the human service professional. Students will examine the development of social welfare institutions, philosophies, practices and policies in diverse human service settings. A systems approach and generalist practice perspective will assist students in the development of core competencies necessary for problem solving

and planned social change and advocacy efforts. WOK: Behavioral. (Formerly HSU-105.) *Grading: Letter Grade*

HSVC-219 Child Welfare *Credits: 3* Intended to develop an understanding of the child welfare system, with special attention to its history in the United States, its policies, current societal problems and their impact on children and their families. The course prepares students to work in the child welfare and criminal justice fields of service with special attention given to foster care, adoption, residential care and the court system. Ethical issues will be addressed. (Formerly HSU-219.) *Grading: Letter Grade*

HSVC-250 Heart of the City/Human Services *Credits: 3 WOK: B* This collaborative six-credit course – 3 credits in Human Services and 3 credits in Religious Studies - examines the human person and the human condition from the academic disciplines of sociology, human services and religion. Provides opportunities for first-hand experiences to enable the student to reflect more deeply on the human struggle for meaning, existence, and even survival. Through service learning the student is given a unique point for observing and sharing in the journey of life through the eyes, ears and hearts of those who find themselves on the fringe of life in the heart of the city. Must also register for RLST-250. Required minimum of 3 hours of service per week. WOK: Behavioral. (Formerly HSU-250.) *Grading: Letter Grade*

HSVC-257 Human Behavior and the Social Env *Credits: 3 WOK: B* Explores human behavior in the social environment through the lens of a systems theory framework and practice. Students will assess and evaluate how individuals function within families, groups, organizations, institutions and communities during the key stages of the human lifespan. Developmental milestones and environmental issues will be explored. Particular attention will be given to human diversity and populations at risk through the use of vignettes and case examples. WOK: Behavioral. (Formerly HSU-257.) *Grading: Letter Grade*

HSVC-281 Special Topics in Human Services *Credits: 3* An in-depth investigation of a topic chosen by the instructor. Subjects and possible pre-requisites vary by semester. *Grading: Letter Grade*

HSVC-303 Human Services Fieldwork/Seminar I *Credits: 3* Field placement for human services students at social welfare agencies, public interest groups, community health centers, programs for older adults and governmental organizations. Supervision by a field supervisor employed by the agency and a liaison from the College faculty. Must be of Junior status. Course repeatable for up to six credit hours. Pre-Requisite: HSVC-105. (Formerly HSU-301 and HSU-302.) *Grading: Letter Grade*

HSVC-308 Theory/Pract of Counseling in HSVC *Credits: 3 WOK: B* Presents an introduction to and overview of the practice

and profession of counseling. It will emphasize the counseling process, professional preparation, ethical and legal issues, assessment and diagnosis, counseling from a multicultural perspective, research and evaluation, major theorists, as well as counseling with families, children and adolescents and groups. Approaches with families, married couples, and those working directly with the mentally ill are explored. Double majors who have taken PSYC-223 should not take this course. WOK: Behavioral. Pre-Requisite: PSYC-101. (Formerly HSU-308.) *Grading: Letter Grade*

HSVC-322 Disability and Society/Seminar *Credits: 3 WOK: B* Designed for persons entering the fields of rehabilitation, education, social work, human services, psychology, and other fields requiring a greater understanding of disability-related issues. The course aims to present many of the issues, challenges and opportunities that service providers may encounter when working with persons with disabilities. WOK: Behavioral. Pre-Requisite: HSVC-105. (New course Spring 2012.) *Grading: Letter Grade*

HSVC-356 Social Welfare Policy *Credits: 3 WOK: B* Analyzes social welfare in the United States and the role played by public and private agencies in the delivery of services. Special attention is given to welfare policy as it relates to the problems that confront urban America. WOK: Behavioral. Pre-Requisite: HSVC-105. (Formerly HSU-356.) *Grading: Letter Grade*

HSVC-358 Human Services Methods *Credits: 3* Analyzes methods, processes and practices used in human services. Skills needed for competent practice are studied. Interviewing, assessment, support systems, goal planning, empathy, brokering, professional ethics and advocacy are considered. Pre-Requisite: HSVC-105. (Formerly HSU-358.) *Grading: Letter Grade*

HSVC-399 Administration of Human Services *Credits: 3* The functions/roles of human service organization management including: organization theory and structure, program planning and evaluation, human resource management, fiscal accountability and legal issues will be the focus of this overview course. Pre-Requisite: HSVC-105. (Formerly HSU-399.) *Grading: Letter Grade*

HSVC-403 Human Services Fieldwork/Seminar II *Credits: 3* Field placement for human services students at social welfare agencies, public interest groups, community health centers, programs for older adults and governmental organizations. Supervision by a field supervisor employed by the agency and a liaison from the College faculty. Pre-requisites: HSRV-105 and HSRV-303. Open to students with Senior status only. Course repeatable for up to six credit hours. (Formerly HSU-401 and HSU-402.) *Grading: Letter Grade*

HSVC-481 Adv Special Topics/Human Services *Credits: 3* An in-depth investigation of a topic chosen by the instructor. Subjects

and possible pre-requisites vary by semester. (Formerly HSU-481.) *Grading: Letter Grade*

HSVC-490 Independent Study in Human Services *Credits: 3* Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

HSVC-498 Senior Seminar in Human Services *Credits: 3* Each student will engage in independent research, and write a scholarly paper, and give a professional presentation to the department and college community. Topics are approved by the instructor and provide an opportunity to carefully examine a current issue in Human Services. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisites: HRSV-105; SOCI-201; SOCI-302; and CMTC-310. (Formerly HSU-498.) *Grading: Letter Grade*

IBLC-401 Internship in Intern'l Business *Credits: 3* Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. *Grading: Pass/Fail Only*

IBLC-498 Senior Seminar in Intern'l Business *Credits: 3* The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: a Writing Intensive course; or IDHP-200. *Grading: Letter Grade*

ICFC-101 Intercultural Foundations/Wrkshp I *Credits: 0.5* For students in the Certificate in Intercultural Foundations program. Graded Pass/Fail only. Credits not applicable towards graduation. *Grading: Non-Academic Pass/Fail*

ICFC-102 Intercultural Foundations/Wrkshp II *Credits: 0.5* For students in the Certificate in Intercultural Foundations program. Graded Pass/Fail only. Credits not applicable towards graduation. Pre-Requisite: ICFC-101. *Grading: Non-Academic Pass/Fail*

ICFC-201 Intercultural Foundations/Field I *Credits: 0.5* For students in the Certificate in Intercultural Foundations program. Graded Pass/Fail only. Credits not applicable towards graduation. *Grading: Non-Academic Pass/Fail*

ICFC-202 Intercultural Foundations/Field II *Credits: 0.5* For students in the Certificate in Intercultural Foundations program. Graded Pass/Fail only. Credits not applicable towards graduation. Pre-Requisite: ICFC-201. *Grading: Non-Academic Pass/Fail*

ICFC-203 Intercultural Foundations/Field III *Credits: 0.5* For students in the Certificate in Intercultural Foundations program. Graded Pass/Fail only. Credits not applicable towards graduation. Pre-Requisite: ICFC-202. *Grading: Non-Academic Pass/Fail*

ICFC-204 Intercultural Foundations/Field IV *Credits: 0.5* For students in the Certificate in Intercultural Foundations program. Graded Pass/Fail only. Credits not applicable towards graduation. Pre-Requisite: ICFC-203. *Grading: Non-Academic Pass/Fail*

ICFC-205 Intercultural Foundations/Field V *Credits: 0.5* For students in the Certificate in Intercultural Foundations program. Graded Pass/Fail only. Credits not applicable towards graduation. Pre-Requisite: ICFC-204. *Grading: Non-Academic Pass/Fail*

ICFC-301 Reflection and Self-Assessment *Credits: 0.5* For students in the Certificate in Intercultural Foundations program. Graded Pass/Fail only. Credits not applicable towards graduation. *Grading: Non-Academic Pass/Fail*

IDHP-200 Writing in the Disciplines *Credits: 3* Focuses on writing in various disciplines. It serves as an introduction to the structure, methodology, and skills of the Interdisciplinary Honors Program (IDHP). Satisfies the writing course requirement. Co-Requisite: FYIN-101. Pre-Requisite: by invitation only. (Formerly HONU-200.) *Grading: Letter Grade*

IDHP-326 Emergence of the Hero I *Credits: 3* *WOK: P or S* Uses the hero's search for personal excellence (eudemonia) as a conduit for the study of modern works of fantasy and science fiction. It traces an arc from universal principles to specific individual identity. While exploring works of fiction, students will be challenged to analyze the philosophical and religious foundations established in the novels/films and analyze their own personal responses to the ideas presented. The course also explores the competition between science and religion for the interpretation of human meaning and purpose. It intends to awaken students to a subjective and spontaneous discovery of their own concern for reflective moral integrity. It also intends to inspire students to an acknowledgement and acceptance of their own heroic call to individual and fulfilling excellence. *WOK: Problem Solving OR Scientific.* Pre-requisite: by invitation only. (Formerly HONU-326.) *Grading: Letter Grade*

IDHP-327 Emergence of the Hero II *Credits: 3* *WOK: P or S* Uses the hero's search for personal excellence (eudemonia) as a conduit for the study of modern works of fantasy and science fiction. It traces an arc from universal principles to specific individual identity. While exploring works of fiction, students will be challenged to analyze the philosophical and religious foundations established in the novels/films and analyze their own personal responses to the ideas presented. The course also explores the competition between science and religion for the interpretation of human meaning and purpose. It intends to awaken students to a subjective and spontaneous discovery of their own concern for reflective moral integrity. It also intends to inspire students to an acknowledgement and acceptance of their own heroic call to individual and fulfilling excellence. *WOK: Problem Solving OR Scientific.* Pre-Requisite: IDHP-326. (Formerly HONU-327.) *Grading: Letter Grade*

IDHP-330 Voyages of Discovery I *Credits: 3* *WOK: S or L* Includes three periods in literature and science: the early 19th century 'era of Romanticism'; the mid 19th century 'age of Darwinism'; and the early 20th century

'modernist period.' We will examine how, despite current conceptions of science and literature as two discrete fields of endeavor, during this time, scientists and poets (and novelists) actually took inspiration from each other, and in the process revealed new ways to understand and to describe the world opening up before them. Topics will include scientific explorations, astronomy, spectroscopy, natural selection and evolution, relativity and quantum mechanics as they influenced and were represented in the literature of the time. *WOK: Scientific OR Literary.* Pre-Requisite: By invitation only. *Grading: Letter Grade*

IDHP-331 Voyages of Discovery II *Credits: 3* *WOK: S or L* Includes three periods in literature and science: the early 19th century 'era of Romanticism'; the mid 19th century 'age of Darwinism'; and the early 20th century 'modernist period.' We will examine how during these times, despite current conceptions of science and literature as two discrete fields of endeavor, scientists and poets (and novelists) actually took inspiration from each other, and in the process revealed new ways to understand and to describe the world opening up before them. Topics will include scientific explorations, astronomy, spectroscopy, natural selection and evolution, relativity and quantum mechanics as they influenced and were represented in the literature of the time. *WOK: Scientific OR Literary.* Pre-Requisite: by invitation only. *Grading: Letter Grade*

IDHP-334 Scratching Our Niche I *Credits: 3* *WOK: S or L* Explores the relationship between human beings and the environment in literature, art, and scientific essay. Employing a comparative approach, we will consider various cultural perspectives on the topic. These include literary and art criticism compared with scientific theory; British, U.S., Latin American, and Spanish authors and artists; indigenous and non-native cultures' understanding of human relationship to nature; and some historical development of theories and disciplines. Includes a Service Learning component and two field trips. *WOK: Scientific OR Literary.* By invitation only. *Grading: Letter Grade*

IDHP-335 Scratching Our Niche II *Credits: 3* *WOK: S or L* Explores the relationship between human beings and the environment in literature, art, and scientific essay. Employing a comparative approach, we will consider various cultural perspectives on the topic. These include literary and art criticism compared with scientific theory; British, U.S., Latin American, and Spanish authors and artists; indigenous and non-native cultures' understanding of human relationship to nature; and some historical development of theories and disciplines. Includes a Service Learning component and two field trips. *WOK: Scientific OR Literary.* Pre-Requisite: IDHP-334. *Grading: Letter Grade*

IDHP-340 One World: Reweaving Wholeness I *Credits: 3* This course is guided by a vision of original and ultimate oneness/wholeness, challenged by our personal and communal experience of its historical demise, and

committed to our human task of helping to reweave it. The primary texts will invite us into the world of literature and our own lives, allowing each to inform, critique and interpret the other. Course content and methodology will engage students in the history of ideas, which will unfold through the literature of the Romantic, Baroque, Modern and Post-Modern periods, where we will discover more about the beliefs and perceptions that shaped human understanding of the (natural/supernatural) world and our relationship to it. The trajectory of studies will lead to our contemporary situation and its evolutionary worldview. From such a vantage point, we will conclude the course in poetic appreciation of mystery and uncertainty, affect and intellect, the spiritual and the material—all vital threads in weaving the tapestry of human and planetary wholeness. (New course Fall 2011.) *Grading: Letter Grade*

IDHP-341 One World: Reweaving Wholeness II Credits: 3 This course is guided by a vision of original and ultimate oneness/wholeness, challenged by our personal and communal experience of its historical demise, and committed to our human task of helping to reweave it. The primary texts will invite us into the world of literature and our own lives, allowing each to inform, critique and interpret the other. Course content and methodology will engage students in the history of ideas, which will unfold through the literature of the Romantic, Baroque, Modern and Post-Modern periods, where we will discover more about the beliefs and perceptions that shaped human understanding of the (natural/supernatural) world and our relationship to it. The trajectory of studies will lead to our contemporary situation and its evolutionary worldview. From such a vantage point, we will conclude the course in poetic appreciation of mystery and uncertainty, affect and intellect, the spiritual and the material—all vital threads in weaving the tapestry of human and planetary wholeness. (New course Spring 2012.) *Grading: Letter Grade*

ILAR-101 Introduction to the Liberal Arts Credits: 3 As the second-level writing course usually taken in the student's first year, ILAR-101 serves both as a second-level writing course and as an introduction to various disciplines within the Liberal Arts. It helps students to develop the skills introduced in the first-level writing course (ENGL-101 or 105) with a focus on research and the techniques associated with academic writing. While the course is offered in sections with unique emphases, the general writing requirements and grading policy are universal. The course takes advantage of our location in Philadelphia by using museums and other sites in the city as part of the overall course experience. Students are expected to make at least two (2) site visits during the semester. Pre-Requisites: ENGL-101 or 105; or IDHP-200. (Formerly ILAU-101.) *Grading: Letter Grade*

ITAL-101 Elementary Italian I Credits: 3 Introduction to the Italian language for students with little or no previous experience. Focuses on the four skills of reading, writing, speaking, and understanding and the five

National Standards for language learning and incorporates the ACTFL proficiency guidelines. Includes audio-visual materials and Internet resources. (Formerly ITALU-101.) *Grading: Letter Grade*

ITAL-102 Elementary Italian II Credits: 3 This course continues the basics of the Italian language for students with at least one semester of preparation or the equivalent. It focuses on the four skills of reading, writing, speaking, and understanding and the five National Standards for language learning. It also incorporates the ACTFL proficiency guidelines and includes audio-visual materials and internet resources. (Formerly ITALU-102.) *Grading: Letter Grade*

ITAL-103 Intermediate Italian I Credits: 3 A continuation of the basics of Italian for students with some experience in the language, along with the development of more advanced reading, writing, speaking and listening skills. Focuses on the five National Standards for language learning and incorporates the ACTFL proficiency guidelines. Includes audio-visual materials and Internet resources. (Formerly ITALU-103.) *Grading: Letter Grade*

ITAL-104 Intermediate Italian II Credits: 3 This course completes the basic structures of the Italian language. It prepares the student to enter more advanced courses, and aims for proficiency at the intermediate mid level. It incorporates the National Standards for language learning, the ACTFL proficiency guidelines, and includes audio-visual materials and internet resources. (Formerly ITALU-104.) *Grading: Letter Grade*

LATN-101 Elementary Latin I Credits: 3 Students master Latin vocabulary and the fundamentals of grammar and syntax. They become aware of the impact of Roman heritage in literature, art, architecture, and law. (Formerly LATU-101.) *Grading: Letter Grade*

LATN-102 Elementary Latin II Credits: 3 Students continue to expand mastery of Latin vocabulary and grammar and the comprehension of the language by listening, speaking, reading, and writing. Excerpts from the works of Roman authors acquaint students with the life and customs of the Roman people. (Formerly LATU-102.) *Grading: Letter Grade*

LATN-103 Intermediate Latin I Credits: 3 After a brief review of the basics, students pursue advanced Latin grammar, syntax, and etymology. Students expand their knowledge of Roman literature, history, and culture through the writings of Roman authors. Completion of Latin 103 fulfills the foreign language requirement. (Formerly LATU-103.) *Grading: Letter Grade*

LATN-104 Intermediate Latin II Credits: 3 Students become familiar with a wide variety of Latin literature via original works and adaptations of the writings of famous Roman authors. Topics regarding Roman civilization and culture and their influence on Western

civilization are discussed. (Formerly LATU-104.) *Grading: Letter Grade*

LATN-240 The Gift of Virgil Credits: 3 WOK: L Sections of the Aeneid, Books I-VI, read in the original. Emphasis on the unifying thread and motivation which makes this work as vital to the readers of today as to Virgil's contemporaries. WOK: Literary. (Formerly LATU-240.) *Grading: Letter Grade*

LATN-241 Early Christian and Medieval Latin Credits: 3 WOK: L Readings from the Fathers of the Church; religious and secular prose and poetry from the fifth to the thirteenth centuries. Study of the continuous contributions of Latin as a vehicle of thought. Attention to the changes in morphology and syntax; emphasis on the ability to read rapidly from selections of the available material. WOK: Literary. (Formerly LATU-241.) *Grading: Letter Grade*

LATN-261 Survey of Latin Poetry Credits: 3 WOK: L Selections from the lyrics of Catullus, the Odes of Horace and the Metamorphoses of Ovid, including the characteristics and metrical forms of each type, the history of the genres and its Greek influence, the literary and social background of each poet. WOK: Literary. (Formerly LATU-261.) *Grading: Letter Grade*

LATN-262 Survey of Latin Prose Credits: 3 WOK: L Selections from Cicero, Caesar, Sallust, and Pliny, including the types and styles of prose writing (oratory, letter-writing, history, philosophy), and the politics of the Late Republic. WOK: Literary. (Formerly LATU-262.) *Grading: Letter Grade*

LATN-281 Special Topics in Latin Credits: 3 Repeatable for credit. Topic varies by semester. (New course Fall 2011.) *Grading: Letter Grade*

LATN-321 Stylistics and Prose Literature Credits: 3 WOK: L A restudy of the forms of Latin language and style in order to understand the thought patterns and verbal expression of the Romans. WOK: Literary. (Formerly LATU-321.) *Grading: Letter Grade*

LATN-481 Advanced Special Topics in Latin Credits: 3 An intensive study of a specific period or topic in Latin literature arranged with a view to student interest. Repeatable for credit. (Formerly LATU-481.) *Grading: Letter Grade*

LSTR-100 Creating Success/College and Life Credits: 3 Designed to help students create greater success in college and in life. The student will learn many proven strategies for creating greater academic, professional, and personal success. We will use experiential classroom activities, guided journal writings, and discussion to help you gain insight into topics that promote student success. These topics include: personal responsibility, self-motivation, time (self) management, interdependence, self-awareness and emotional intelligence. Any student may take this class, but it is required of students who enter CHC at academic risk as determined by SAT scores, placement scores, and/or GPA.

Students who are on Academic Probation may also be required to take this class. Credits earned are not applicable towards graduation. (Formerly LSU-100: Learning Strategies.)
Grading: Non-Academic Letter Grade

LSTR-102 Creating Success/Reading/Writing
Credits: 3 Designed to help students create greater success in college and in life. The student will learn many proven strategies for creating greater academic success. This course is designed to meet a variety of reading and study skills needs, specifically the need to read and understand college level materials effectively. Any student may take the course, but it is required of students who enter CHC at academic risk as determined by SAT Critical Reading scores, placement scores, and/or GPA. Credits earned are not applicable towards graduation. (New Course Fall 2011.)
Grading: Non-Academic Letter Grade

MATH-100 Develop Math: Basic Skill/Principle *Credits: 3* A fundamental course in basic mathematical skills, designed for students who are, for any reason, inadequately prepared for college level mathematics. MATH-100 includes a study of the real number system and basic concepts of algebra. MATH-100 may be required as a result of the Mathematics Proficiency Exam. Credits not applicable towards graduation. (Formerly MATHU-100.) *Grading: Non-Academic Letter Grade*

MATH-115 Understanding/Quantitative World *Credits: 3 WOK: P* An approach to quantitative literacy in the 21st century. Intended to help students become comfortable using and interpreting mathematics outside the classroom. Topics drawn from function theory and statistics, both from the perspective of mathematical modeling. Students who earn a grade of C or better fulfill the Mathematics Proficiency requirement for graduation. Not intended for students whose major requires additional mathematics, since it does not fulfill the Pre-Requisite for MATH-201, 203, 211, 227, or 231. WOK: Problem Solving. Pre-Requisite: Math Proficiency Level 3. (Formerly MATHU-115.) *Grading: Letter Grade*

MATH-121 Precalculus I *Credits: 3 WOK: P* First course in a two-course review and development of topics needed for the further study of mathematics, including calculus and mathematics for management. Includes: algebraic operations, equations and inequalities, algebraic functions, analytic geometry and graphing. MATH-121 is not open to students who have successfully completed a mathematics course beyond the 100 level or whose mathematics proficiency level is 1. Students who earn a grade of C or better in MATH-121 fulfill the mathematics proficiency requirement for graduation. Students who successfully complete MATH-121 and who are planning a major in business or science are strongly advised to take MATH-122 before enrolling in mathematics courses required for their major. WOK: Problem Solving. Pre-Requisite: MATH-100 or Math Proficiency Level 3. (Formerly MATHU-121.) *Grading: Letter Grade*

MATH-122 Precalculus II *Credits: 3 WOK: P* Second course in a two-course review and development of topics needed for the further study of mathematics, including calculus and mathematics for management. Includes: functions and inverse functions, exponential, logarithmic and trigonometric functions, analytic geometry and graphing. MATH-122 is not open to students whose mathematics proficiency level is 1. Students who earn a grade of C or better in MATH-122 fulfill the mathematics proficiency requirement (at level 2) for graduation. Students who successfully complete MATH-121 and who are planning a major in business or science are strongly advised to take MATH-122 before enrolling in mathematics courses required for their major. WOK: Problem Solving. Pre-Requisite: MATH-121 or permission of the Chairperson. (Formerly MATHU-122.) *Grading: Letter Grade*

MATH-123 Precalculus: A Condensed Approach *Credits: 4 WOK: P* Covers topics from precalculus that are important for success in finite math and applied calculus (MATH-201 and 202). These include equations and inequalities, polynomial, exponential and logarithmic functions, analytic geometry and graphing. Fulfills the prerequisite for MATH-201-202; not recommended for students who will study calculus (MATH-203 or 211). Passing MATH-123 with a grade of C or better will fulfill the Mathematics Proficiency requirement (at level 2) for graduation. WOK: Problem Solving. Pre-Requisite: Math Proficiency Level 3. *Grading: Letter Grade*

MATH-201 Math for Management/Social Sci
Credits: 3 WOK: P A study of functions and modeling, including polynomial, rational, exponential and logarithmic functions; mathematics of finance; linear systems and matrices, linear programming. Emphasis on applications to business, management, and the life sciences. WOK: Problem Solving. Pre-Requisite: MATH-122, or Math Proficiency Level 1 or 2. (Formerly MATHU-201.) *Grading: Letter Grade*

MATH-202 Math for Management/Social Sci II *Credits: 3 WOK: P* Differential and integral calculus with applications to business, management, and the life sciences. WOK: Problem Solving. Pre-Requisite: MATH-201; or Math Proficiency Level 1 or 2 and permission of the Chairperson. (Formerly MATHU-202.) *Grading: Letter Grade*

MATH-203 Analytic Geometry and Calculus I *Credits: 3 WOK: P* Elements of analytic geometry, functions, limits, differentiation, applications of the derivative. WOK: Problem Solving. Pre-Requisite: MATH-122, or Math Proficiency level 1 or 2. (Formerly MATHU-203.) *Grading: Letter Grade*

MATH-204 Analytic Geometry and Calculus II *Credits: 3 WOK: P* Integration, applications of the integral, integration of exponential, logarithmic, trigonometric and inverse trigonometric functions, methods of integration. Usually offered in the Spring semester. WOK: Problem Solving. Pre-Requisite: MATH-211 or MATH-203. (Formerly MATHU-204.) *Grading: Letter Grade*

MATH-211 Calculus and Modern Analysis I *Credits: 3 WOK: P* Functions, differentiation, applications of the derivative, Fundamental Theorem of the Calculus, integration. Uses technology to reinforce the basic concepts of calculus. Usually offered in the Fall semester. WOK: Problem Solving. Pre-Requisite: Math Proficiency level 1, or permission of the Chairperson. (Formerly MATHU-211.) *Grading: Letter Grade*

MATH-212 Calculus and Modern Analysis II *Credits: 3 WOK: P* Applications of the integral, integration of transcendental functions, methods of integration, improper integrals, indeterminate forms, Taylor's Formula. Uses technology to reinforce the basic concepts of calculus. Usually offered in the Spring semester. WOK: Problem Solving. Pre-Requisite: MATH-211 or permission of the Chairperson. (Formerly MATHU-212.) *Grading: Letter Grade*

MATH-215 Mathematics for Liberal Arts *Credits: 3 WOK: P* An enrichment course designed to emphasize the interrelationships between mathematics and other fields of human endeavor. Topics selected from a broad spectrum are covered in sufficient depth to convey to the non-specialist an appreciation of the power of mathematics and its contribution to the history of civilization. WOK: Problem Solving. Pre-Requisite: Permission of the Instructor. (Formerly MATHU-215.) *Grading: Letter Grade*

MATH-227 Intro to Probability and Statistics *Credits: 3 WOK: P* Provides an overview of descriptive and inferential statistics with applications to business and other areas of study. Topics include summarizing data, elements of probability, discrete and continuous distributions, sampling, linear regression, confidence intervals, hypothesis testing, analysis of variance. MATH-227 serves as the required statistics course for business majors, and may also be taken by other students who need or are interested in an introductory statistics course. WOK: Problem Solving. Pre-Requisite: Math Proficiency Level 1 or 2. *Grading: Letter Grade*

MATH-231 Basic Math Theory/Applications I *Credits: 3 WOK: P* A development of basic mathematical concepts and skills needed by students in education and related fields. Emphasis on mathematical reasoning, problem solving, and connecting mathematics, its ideas, and its applications. Topics include: real number system; sets and logic; patterns, relations and functions; elementary number theory. Emphasis on communicating mathematics effectively. WOK: Problem Solving. Pre-Requisite: Math Proficiency Level 1 or 2. (Formerly MATHU-231.) *Grading: Letter Grade*

MATH-232 Basic Math Theory/Applications II *Credits: 3 WOK: P* A second course in the development of basic mathematical concepts and skills needed by students in education and related fields. Emphasis on mathematical reasoning, problem solving, and connecting mathematics, its ideas, and its applications. Topics include: field properties of the real numbers; patterns, relations and functions;

geometry; measurement; probability and statistics. WOK: Problem Solving. Pre-Requisites: A grade of C or better in MATH-231, or permission of the Chairperson. (Formerly MATHU-232.) *Grading: Letter Grade*

MATH-233 Basic Math Theory/Applications III *Credits: 3* Third course in the development of basic mathematical concepts and skills needed by students in education and related fields. Emphasis on mathematical reasoning, problem solving, and connecting mathematics, its ideas, and its applications. Topics taken from geometry, algebra, trigonometry, and discrete mathematics. Includes use of technology where appropriate. Pre-Requisite: grade of C or better in MATH-232, or permission of the Chairperson. (New course Fall 2011.) *Grading: Letter Grade*

MATH-251 Calculus and Linear Algebra *Credits: 3* WOK: P Systems of linear equations, matrices and determinants, vectors in 2-space and 3-space, vector spaces, linear transformations, eigenvalues and eigenvectors. WOK: Problem Solving. Pre-Requisite: MATH-204, or MATH-212, or permission of the Chairperson. (Formerly MATHU-251.) *Grading: Letter Grade*

MATH-252 Calculus and Modern Analysis III *Credits: 3* WOK: P Infinite series, plane curves, parametric equations, vectors and the geometry of space, differential calculus of functions of several variables and applications, multiple integration with applications. WOK: Problem Solving. Pre-Requisite: MATH-204 or MATH-212. (Formerly MATHU-252.) *Grading: Letter Grade*

MATH-261 Discrete Methods in Mathematics *Credits: 3* WOK: P Introduction to basic techniques and modes of reasoning of combinatorial problem solving. Topics chosen from logic, graph theory and combinatorics: graphs as models, trees, graph coloring, Eulerian and Hamiltonian circuits, elementary counting principles, permutations and combinations, inclusion/exclusion principle, recurrence relations. Required for Secondary Certification. WOK: Problem Solving. Pre-Requisite: MATH-212, 204, or 202 or permission of the Chairperson. (Formerly MATHU-261.) *Grading: Letter Grade*

MATH-262 Probability and Statistics *Credits: 3* WOK: P Organizing and describing data, general probability theory, standard distributions, significance tests, confidence intervals, regression and correlation. WOK: Problem Solving. Pre-Requisite: MATH-203 or MATH-211, or permission of the Chairperson. (Formerly MATHU-262.) *Grading: Letter Grade*

MATH-281 Special Topics in Mathematics *Credits: 3* An in-depth investigation of a particular area of mathematics. Requires permission of the Chairperson since the topic and its Pre-Requisites may vary. Repeatable for credit. (New course Fall 2010.) *Grading: Letter Grade*

MATH-305 Abstract Algebra I *Credits: 3* Introduction to an axiomatic treatment of mathematics, including proofs, and to

algebraic structures. Topics include sets and mappings; binary operations; congruence classes and equivalence relations. Group Theory topics include permutation groups; normal subgroups; quotient groups; homomorphisms. Ring Theory is introduced. Pre-Requisite: MATH-251, or permission of the Chairperson. (Formerly MATHU-305.) *Grading: Letter Grade*

MATH-306 Abstract Algebra II *Credits: 3* A continuation of the study of algebraic structures. Ring Theory topics include: ideals, homomorphisms, integral domains, polynomial rings; fields, vector spaces, linear transformations, and selected applications. Pre-Requisite: MATH-305. (Formerly MATHU-306.) *Grading: Letter Grade*

MATH-307 Differential Equations *Credits: 3* Theory and methods of solving first order, first degree differential equations, linear differential equations, equations of higher degree; selection from Laplace transformations, systems of equations, series solutions. Applications of differential equations. Pre-Requisite: MATH-204 or MATH-212. (Formerly MATHU-307.) *Grading: Letter Grade*

MATH-317 Special Methods in Mathematics *Credits: 3* Covers topics considered essential for successful teaching of mathematics at the secondary level, including careful analysis of the standards and goals established by the National Council of Teachers of Mathematics. Students observe classes and meet for discussion on content, methods, lesson planning, test construction, and other items related to secondary teaching. Pre-Requisite: Permission of the Instructor. (Formerly MATHU-317.) *Grading: Letter Grade*

MATH-321 Advanced Calculus *Credits: 3* Sets and functions, topological terminology, sequences, continuity and its implications, differentiation, integration, series and uniform convergence, selected topics. Pre-Requisite: MATH-252, or permission of the Chairperson. (Formerly MATHU-321.) *Grading: Letter Grade*

MATH-331 Mathematical Modeling *Credits: 3* Major techniques in developing basic models. Creative and empirical model construction, model analysis, and model research. These are studied by examples as well as by experiential projects incorporating the modeling process. Pre-Requisites: MATH-202, MATH-204 or MATH-212. (Formerly MATHU-331.) *Grading: Letter Grade*

MATH-341 Introduction to Operations Research *Credits: 3* Basics of operations research: applied linear programming, the simplex method, the dual problem and postoptimality analysis, the transportation and assignment problems. Pre-Requisite: MATH-251. (Formerly MATHU-341.) *Grading: Letter Grade*

MATH-342 Fundamentals of Geometry *Credits: 3* The study of axiomatic systems, Euclidean, non-Euclidean and transformation geometries. Required for Secondary Certification. Pre-Requisite: MATH-251, or

permission of the Chairperson. (Formerly MATHU-342.) *Grading: Letter Grade*

MATH-481 Adv Special Topics in Mathematics *Credits: 3* An in-depth investigation of a particular area of mathematics. Requires permission of the Chairperson, since the topic and its prerequisites may vary. Repeatable for credit. (Formerly MATHU-481.) *Grading: Letter Grade*

MATH-490 Independent Study in Mathematics *Credits: 3* Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

MATH-497 Modern Mathematical Theory *Credits: 3* A seminar designed to help students gain a broad context for understanding mathematics through the study of its history and selected topics, e.g., cryptography, coding theory, fractals, and famous problems. Focus on writing includes the solution of problems and proofs as well as descriptive writing. WOK: Writing Intensive. Pre-Requisite: ILAR-101 or IDHP-200. (Formerly MATHU-498.) *Grading: Letter Grade/Writing Intensive*

MATH-498 Senior Seminar in Mathematics *Credits: 3* The capstone course for the major, a seminar in selected topics such as cardinal numbers and ordering of infinite sets, axiomatic systems, symbolic logic, number theory, others according to interests of students. Mathematics majors complete and present a research project in mathematics. Mathematical and computer science majors complete and present a research project that incorporates mathematics and computer science. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: MATH-497. (Formerly MATHU-499.) *Grading: Letter Grade*

MGMT-105 Principles of Management *Credits: 3* Focuses on the modern views of management theory and skills necessary to be an effective manager and competent leader in a changing environment. Areas covered, include strategic and operational planning, decision-making, organizing, successful delegation, controlling, human resources, communication, leadership and motivation. Additional areas covered include corporate social responsibility, ethics, managing diversity, building work teams, and the possibilities opened up for managers by new technology. Pre-Requisite: BUSN-104. (Formerly BMGTU-105.) *Grading: Letter Grade*

MGMT-204 Organization/Management of HR *Credits: 3* Provides an in-depth examination of the functions performed by the human resources department in an organization. It will also examine organizational behavior as it relates to the management of people at work. Topics include: human resources planning, recruitment and selection, training and development, compensation and benefits, equal employment opportunity, and the fair and ethical treatment of employees. It will also examine the various theories relating to motivation, leadership and culture. WOK:

Writing Intensive as of Spring 2011. Pre-Requisite: ILAR-101 or IDHP-200; plus Pre-Requisite for all non-Accounting Majors: BUSN-101 or BUSN-104. (Formerly BMGTU-204.) *Grading: Letter Grade/Writing Intensive*

MGMT-205 Project Management Credits: 3 Provides an introduction to the systems approach to the management of complex tasks or projects whose objectives are explicitly stated in terms of time, cost and performance parameters. The key elements addressed include: scope, schedule, budget, quality, human resources, communications, risk and procurement. The course will review how these elements fit into a project management plan, as well as how they are executed and controlled. Pre-Requisites: BUSN-104; and MATH-122, or Level 1 Math Proficiency. (Formerly BMGTU-205.) *Grading: Letter Grade*

MGMT-206 Purchasing/Supply Chain Management Credits: 3 Explores the traditional purchasing function as it has evolved from a narrowly defined activity into a professional supply management function driven by technology and people. The student will be expected to apply theory to solving problems relating to the basic concepts of purchasing, materials and supply management, cost analysis and negotiation strategies, capital acquisition process, and professional services procurement. Other areas to be covered include: legal aspects of purchasing, materials management, inventory management, Just-in-Time Purchasing, E-purchasing, supplier selection and evaluation, global sourcing, supply chain power, Total Quality Management (TQM), price determination, equipment acquisition and disposal, and procuring professional services. Pre-Requisites: BUSN-101 or BUSN-104; ECON-102; and ACCT-104. (Formerly BMGTU-206.) *Grading: Letter Grade*

MGMT-281 Special Topics in Management Credits: 3 Repeatable for credit. Topics vary by semester. (New course Fall 2011.) *Grading: Letter Grade*

MGMT-300 Operations Management Credits: 3 Through lectures and case studies the student will learn how the following key elements fit into operation management plans: work-force management and productivity, project management, forecasting, product design, quality assurance, process strategy, capacity determination, plant location/layout strategies, inventory control, quantitative models used in solving management problems will also be examined. Pre-Requisite: MATH-201 and ECON-102. MATH-227s is recommended but not required. (Formerly BMGTU-300.) *Grading: Letter Grade*

MGMT-302 Entrepreneurship Credits: 3 Designed to introduce the student to the entrepreneurial process. Changes in technology and consumer behavior have generated numerous small business opportunities. Services cannot be mass-produced, and entrepreneurs have established business to serve the consumer on an individual basis. The course combines

traditional classroom activities with hands-on activities in order to provide the student with a foundation that is both conceptual and practical. This foundation can facilitate the practice of entrepreneurship in new ventures. Open to Juniors or Seniors only. Pre-Requisites: ACCT-104 and MATH-201. MATH-227 is recommended but not required. (Formerly BMGTU-302.) *Grading: Letter Grade*

MGMT-303 Strategic Management Credits: 3 Designed to give the student a basic understanding of the planning, organization and management of an enterprise. This will be achieved through the use of case studies and insights into operational functions and decisions of management. The course includes a study of the characteristics of strategic decision-making, as applied to the basic organizational functions of operations, marketing and finance. Open to Juniors and Seniors only. Pre-Requisites: ACCT-104 and MATH-201. MATH-227 is recommended, but not required. (Formerly BMGTU-303.) *Grading: Letter Grade*

MGMT-304 Culture in Intern'l Decision-Making Credits: 3 Management theory and practice are used to develop the skills necessary to design and implement global strategies, to conduct effective cross-national interactions and to manage daily global operations. The student is placed in the role of a manager of any nationality, and is expected to take a global perspective in dealing with dynamic management issues in both foreign and diverse host environments. Cross-cultural management and competitive strategy are evaluated in the context of global changes. The course will emphasize how the variable of culture interacts with other national and international factors to affect managerial processes and behaviors. Case studies and term project report will be assigned. Pre-Requisite: BUSN-101. (Formerly BMGTU-304.) *Grading: Letter Grade*

MGMT-401 Internship in Management Credits: 3 Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. (New course Fall 2011.) *Grading: Pass/Fail Only*

MKTG-203 Marketing Principles Credits: 3 WOK: B Examines environmental variables marketing managers should consider before designing strategy with emphasis on buyer characteristics and competitive activity. Marketing strategy options are considered for product, distribution, pricing, and promotion. WOK: Behavioral. (Formerly BMKTU-203.) *Grading: Letter Grade*

MKTG-205 Consumer Behavior Credits: 3 WOK: B Explores psychological and sociological variables marketing managers should examine in order to understand the needs of potential buyers including motivation for purchase, attitudes and values, cultural background, and social class. Analyzes the adjustment of marketing strategy to satisfy needs of different market segments. WOK: Behavioral. Pre-Requisite: MKTG-203. (Formerly BMKTU-205.) *Grading: Letter Grade*

MKTG-206 International Marketing Credits: 3 WOK: B Studies foreign economic, political and social environments to understand potential modifications to domestic product, price, promotion and distribution strategy in foreign markets. Selected cases emphasize international marketing successes and failures. WOK: Behavioral. Pre-Requisite: MKTG-203. (Formerly BMKTU-206.) *Grading: Letter Grade*

MKTG-253 Retailing Credits: 3 Critical analysis of retailing strategy and management with extensive examination of selected and current problems unique to the retailing sector of the economy. Pre-Requisite: MKTG-203. (Formerly BMKTU-253.) *Grading: Letter Grade*

MKTG-254 Advertising Credits: 3 WOK: B Covers advertising objectives, research, creative message execution, media selection, legal and ethical requirements and budgeting. WOK: Behavioral. Pre-Requisite: MKTG-203 or with permission of the Chairperson. (Formerly BMKTU-254.) *Grading: Letter Grade*

MKTG-255 Public Relations Credits: 3 WOK: B Study of principles and techniques used in communication between an organization and any individual or audience. Examines media and press releases, promotions and trade shows, community and customer relations. Students plan and present a public relations campaign. WOK: Behavioral. Cross-Listed: COMM-255. Pre-Requisite: MKTG-203. (Formerly BMKTU-255.) *Grading: Letter Grade*

MKTG-256 Personal Selling/Sales Force Mgmt Credits: 3 An analysis of the components of an effective sales presentation and strategy decisions faced by sales managers including recruiting, training, motivating, supervising, and evaluating sales personnel. (Formerly BMKTU-256.) *Grading: Letter Grade*

MKTG-310 Marketing Research Credits: 3 Applies the scientific method, (i.e., problem definition, hypothesis formation, data collection and analysis), to marketing decision making. Students conduct a marketing research study and present their findings. Pre-Requisites: MKTG-203 and MATH-227. (Formerly BMKTU-310.) *Grading: Letter Grade*

MKTG-365 Marketing Management Credits: 3 Options in product, distribution, pricing, and promotion strategy are considered in response to the needs of different market segments and competitive conditions. Sales and cost data are evaluated using case analysis. Pre-Requisite: MKTG-203. (Formerly BMKTU-365.) *Grading: Letter Grade*

MKTG-401 Internship in Marketing Credits: 3 Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. (Formerly BMKTU-401.) *Grading: Pass/Fail Only*

MUSA-131 Beginning French Horn I Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-132 Beginning French Horn II Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-133 Beginning Tuba I Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-134 Beginning Tuba II Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-135 Beginning Electric Bass I Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-136 Beginning Electric Bass II Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-141 Beginning Piano I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-141.) *Grading: Letter Grade*

MUSA-142 Beginning Piano II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-142.) *Grading: Letter Grade*

MUSA-143 Beginning Voice I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-143.) *Grading: Letter Grade*

MUSA-144 Beginning Voice II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-144.) *Grading: Letter Grade*

MUSA-145 Beginning Violin I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-145.) *Grading: Letter Grade*

MUSA-146 Beginning Violin II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-146.) *Grading: Letter Grade*

MUSA-149 Beginning Harp I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-149.) *Grading: Letter Grade*

MUSA-150 Beginning Harp II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-149.) *Grading: Letter Grade*

MUSA-153 Beginning Tenor Horn I Credits: 0.5 For Music and Music Education majors only. (New course Fall 2010.) *Grading: Letter Grade*

MUSA-154 Beginning Tenor Horn II Credits: 0.5 For Music and Music Education majors only. (New course Fall 2010.) *Grading: Letter Grade*

MUSA-157 Beginning Trumpet I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-157.) *Grading: Letter Grade*

MUSA-158 Beginning Trumpet II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-158.) *Grading: Letter Grade*

MUSA-163 Beginning Clarinet I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-163.) *Grading: Letter Grade*

MUSA-164 Beginning Clarinet II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-164.) *Grading: Letter Grade*

MUSA-165 Beginning Saxophone I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-165.) *Grading: Letter Grade*

MUSA-166 Beginning Saxophone II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-166.) *Grading: Letter Grade*

MUSA-169 Beginning Percussion I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-169.) *Grading: Letter Grade*

MUSA-170 Beginning Percussion II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-170.) *Grading: Letter Grade*

MUSA-171 Beginning Guitar I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-171.) *Grading: Letter Grade*

MUSA-172 Beginning Guitar II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-172.) *Grading: Letter Grade*

MUSA-173 Beginning Flute I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-173.) *Grading: Letter Grade*

MUSA-174 Beginning Flute II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-174.) *Grading: Letter Grade*

MUSA-180 Beginning String Bass I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-181.) *Grading: Letter Grade*

MUSA-182 Beginning String Bass II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-182.) *Grading: Letter Grade*

MUSA-231 Intermediate French Horn I Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-232 Intermediate French Horn II Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-233 Intermediate Tuba I Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-234 Intermediate Tuba II Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-235 Intermediate Electric Bass I Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-236 Intermediate Electric Bass II Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-241 Intermediate Piano I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-241.) *Grading: Letter Grade*

MUSA-242 Intermediate Piano II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-242.) *Grading: Letter Grade*

MUSA-243 Intermediate Voice I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-243.) *Grading: Letter Grade*

MUSA-244 Intermediate Voice II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-244.) *Grading: Letter Grade*

MUSA-245 Intermediate Violin I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-245.) *Grading: Letter Grade*

MUSA-246 Intermediate Violin II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-246.) *Grading: Letter Grade*

MUSA-249 Intermediate Harp I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-249.) *Grading: Letter Grade*

MUSA-250 Intermediate Harp II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-250.) *Grading: Letter Grade*

MUSA-253 Intermediate Tenor Horn I Credits: 0.5 For Music and Music Education majors only. (New course Fall 2010.) *Grading: Letter Grade*

MUSA-254 Intermediate Tenor Horn II Credits: 0.5 For Music and Music Education majors only. (New course Fall 2010.) *Grading: Letter Grade*

MUSA-257 Intermediate Trumpet I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-257.) *Grading: Letter Grade*

MUSA-258 Intermediate Trumpet II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-258.) *Grading: Letter Grade*

MUSA-260 Intermediate Clarinet I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-260.) *Grading: Letter Grade*

MUSA-263 Intermediate Clarinet I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-263.) *Grading: Letter Grade*

MUSA-264 Intermediate Clarinet II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-264.) *Grading: Letter Grade*

MUSA-265 Intermediate Saxophone I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-265.) *Grading: Letter Grade*

MUSA-266 Intermediate Saxophone II
Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-266.) *Grading: Letter Grade*

MUSA-269 Intermediate Percussion I *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-269.) *Grading: Letter Grade*

MUSA-270 Intermediate Percussion II *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-270.) *Grading: Letter Grade*

MUSA-271 Intermediate Guitar I *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-271.) *Grading: Letter Grade*

MUSA-272 Intermediate Guitar II *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-272.) *Grading: Letter Grade*

MUSA-273 Intermediate Flute I *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-273.) *Grading: Letter Grade*

MUSA-274 Intermediate Flute II *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-274.) *Grading: Letter Grade*

MUSA-280 Intermediate String Bass I *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-281.) *Grading: Letter Grade*

MUSA-282 Intermediate String Bass II
Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-282.) *Grading: Letter Grade*

MUSA-331 Intermediate French Horn III
Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-332 Intermediate French Horn IV
Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-333 Intermediate Tuba III *Credits: 0.5* For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-334 Intermediate Tuba IV *Credits: 0.5* For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-335 Intermediate Electric Bass III
Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-336 Intermediate Electric Bass IV
Credits: 0.5 For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-341 Intermediate Piano III *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-341.) *Grading: Letter Grade*

MUSA-342 Intermediate Piano IV *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-342.) *Grading: Letter Grade*

MUSA-343 Intermediate Voice III *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-343.) *Grading: Letter Grade*

MUSA-344 Intermediate Voice IV *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-344.) *Grading: Letter Grade*

MUSA-345 Intermediate Violin III *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-345.) *Grading: Letter Grade*

MUSA-346 Intermediate Violin IV *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-346.) *Grading: Letter Grade*

MUSA-347 Intermediate Jazz Piano I *Credits: 0.5* For Music and Music Education majors only. By audition only. (New course Fall 2010.) *Grading: Letter Grade*

MUSA-348 Intermediate Jazz Piano II *Credits: 0.5* By audition only. (New course Fall 2010.) *Grading: Letter Grade*

MUSA-349 Intermediate Harp III *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-349.) *Grading: Letter Grade*

MUSA-350 Intermediate Harp IV *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-350.) *Grading: Letter Grade*

MUSA-353 Intermediate Tenor Horn III
Credits: 0.5 For Music and Music Education majors only. (New course Fall 2010.) *Grading: Letter Grade*

MUSA-354 Intermediate Tenor Horn IV
Credits: 0.5 For Music and Music Education majors only. (New course Fall 2010.) *Grading: Letter Grade*

MUSA-357 Intermediate Trumpet III *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-357.) *Grading: Letter Grade*

MUSA-358 Intermediate Trumpet IV *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-358.) *Grading: Letter Grade*

MUSA-363 Intermediate Clarinet III *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-363.) *Grading: Letter Grade*

MUSA-364 Intermediate Clarinet IV *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-364.) *Grading: Letter Grade*

MUSA-365 Intermediate Saxophone III
Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-365.) *Grading: Letter Grade*

MUSA-366 Intermediate Saxophone IV
Credits: 0.5 For Music and Music Education

majors only. (Formerly ZMUSU-366.) *Grading: Letter Grade*

MUSA-369 Intermediate Percussion III
Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-369.) *Grading: Letter Grade*

MUSA-370 Intermediate Percussion IV
Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-370.) *Grading: Letter Grade*

MUSA-371 Intermediate Guitar III *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-371.) *Grading: Letter Grade*

MUSA-372 Intermediate Guitar IV *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-372.) *Grading: Letter Grade*

MUSA-373 Intermediate Flute III *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-373.) *Grading: Letter Grade*

MUSA-374 Intermediate Flute IV *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-374.) *Grading: Letter Grade*

MUSA-380 Intermediate String Bass III
Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-381.) *Grading: Letter Grade*

MUSA-382 Intermediate String Bass IV
Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-382.) *Grading: Letter Grade*

MUSA-431 Advanced French Horn I *Credits: 0.5* For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-432 Advanced French Horn II *Credits: 0.5* For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-433 Advanced Tuba I *Credits: 0.5* For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-434 Advanced Tuba II *Credits: 0.5* For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-435 Advanced Electric Bass I *Credits: 0.5* For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-436 Advanced Electric Bass II *Credits: 0.5* For Music and Music Education majors only. (New course Fall 2011.) *Grading: Letter Grade*

MUSA-441 Advanced Piano I *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-441.) *Grading: Letter Grade*

MUSA-442 Advanced Piano II *Credits: 0.5* For Music and Music Education majors only. (Formerly ZMUSU-442.) *Grading: Letter Grade*

MUSA-443 Advanced Voice I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-443.) Grading: Letter Grade

MUSA-444 Advanced Voice II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-444.) Grading: Letter Grade

MUSA-445 Advanced Violin I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-445.) Grading: Letter Grade

MUSA-446 Advanced Violin II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-446.) Grading: Letter Grade

MUSA-447 Advanced Jazz Piano I Credits: 0.5 By audition only. (New course Fall 2010.) Grading: Letter Grade

MUSA-448 Advanced Jazz Piano II Credits: 0.5 By audition only. (New course Fall 2010.) Grading: Letter Grade

MUSA-449 Advanced Harp I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-449.) Grading: Letter Grade

MUSA-450 Advanced Harp II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-450.) Grading: Letter Grade

MUSA-454 Advanced Tenor Horn II Credits: 0.5 For Music and Music Education majors only. (New course Fall 2010.) Grading: Letter Grade

MUSA-455 Advanced Tenor Horn III Credits: 0.5 For Music and Music Education majors only. (New Course Spring 2011.) Grading: Letter Grade

MUSA-457 Advanced Trumpet I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-457.) Grading: Letter Grade

MUSA-458 Advanced Trumpet II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-458.) Grading: Letter Grade

MUSA-463 Advanced Clarinet I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-463.) Grading: Letter Grade

MUSA-464 Advanced Clarinet II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-464.) Grading: Letter Grade

MUSA-465 Advanced Saxophone I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-465.) Grading: Letter Grade

MUSA-466 Advanced Saxophone II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-466.) Grading: Letter Grade

MUSA-469 Advanced Percussion I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-469.) Grading: Letter Grade

MUSA-470 Advanced Percussion II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-470.) Grading: Letter Grade

MUSA-471 Advanced Guitar I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-471.) Grading: Letter Grade

MUSA-472 Advanced Guitar II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-472.) Grading: Letter Grade

MUSA-473 Advanced Flute I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-473.) Grading: Letter Grade

MUSA-474 Advanced Flute II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-474.) Grading: Letter Grade

MUSA-480 Advanced String Bass I Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-480.) Grading: Letter Grade

MUSA-482 Advanced String Bass II Credits: 0.5 For Music and Music Education majors only. (Formerly ZMUSU-482.) Grading: Letter Grade

MUSC-101 Music/W. Culture/Mdle Ages-Baroque Credits: 3 WOK: A A chronological survey of the development of music, its styles and characteristics, from the Middle Ages to the Baroque period. No musical background necessary. WOK: Artistic. (Formerly MUSU-101.) Grading: Letter Grade

MUSC-102 Music/W. Culture/Classical-Contemp Credits: 3 WOK: A A chronological survey of the development of music, its styles and characteristics, from Classical to contemporary. No musical background necessary. WOK: Artistic. (Formerly MUSU-102.) Grading: Letter Grade

MUSC-103 Introduction to Music Theory Credits: 3 A study in the fundamentals of music. Topics include properties of sound, music notation, elements of music, scales and intervals. Students experience music through exercises that consist of writing, analysis, ear training and listening. This course is open to all students. Music Majors required to register for this course should note that it does not fulfill the Music Theory requirements for the degree. (Formerly MUSU-103.) Grading: Letter Grade

MUSC-105 Aural Skills I Credits: 3 Designed for the development of music literacy, sight-singing diatonic melodies, executing basic reading patterns, and training the ear to hear major and minor tonalities. Students sing and play at the keyboard using simple melodies. (Formerly MUSU-105.) Grading: Letter Grade

MUSC-106 Aural Skills II Credits: 3 Designed for the further development of music literacy, sight-singing diatonic and chromatic melodies, executing complex reading patterns, and training the ear to hear major and minor tonalities and harmonies. Pre-Requisite: MUSC-105. (Formerly MUSU-106.) Grading: Letter Grade

MUSC-107 Native Peoples of North America Credits: 3 WOK: A Designed for the general student interested in the art, music and culture of the aboriginal people of North

America. Explores the history, struggles and hopes of the natives. Focuses on the Ojibway, Cree, Metis and Innu of Canada, and the Navajo, Iroquois, Cherokee and Sioux of the United States. Course format includes lecture, listening, viewing, and discussion. WOK: Artistic. (Formerly MUSU-107.) Grading: Letter Grade

MUSC-124 Music in 20th Century America I Credits: 3 WOK: A A panoramic survey of the streams of American music in the twentieth century. Encompasses ethnic, folk, religious, and popular music; jazz and its forerunners and a brief history of Rock and Roll. No musical background necessary. WOK: Artistic. (Formerly MUSU-124.) Grading: Letter Grade

MUSC-125 Music in 20th Century America II Credits: 3 WOK: A A panoramic survey of streams of American music in the twentieth century which not only includes the ethnic, folk and religious music of the century, but also fine art music and the development of the American Musical Theater. No musical background necessary. WOK: Artistic. (Formerly MUSU-125.) Grading: Letter Grade

MUSC-129 The History of Jazz Credits: 3 WOK: A A study of this unique American art form from its origin to the present day, including its impact on contemporary society. No musical background necessary. WOK: Artistic. (Formerly MUSU-129.) Grading: Letter Grade

MUSC-140 Critical Survey of Music in Film Credits: 3 WOK: A Empowers students to better appreciate and understand, the contribution of music in a film work. Through a series of viewing and listening experiences students are introduced to how the elements of music and the principles of music composition are used in film making. WOK: Artistic. (Formerly MUSC-140.) Grading: Letter Grade

MUSC-142 Broadway Bound Credits: 3 WOK: A Surveys a broad range of exemplary models from the American Music Theater. Using videos, DVDs, and recordings, students discover how the elements of music and the principles of music composition are employed in musicals. Ultimately, musicals are placed within an historical context that examines the milieu of the composer(s) and the socio-political setting of the era. WOK: Artistic. (Formerly MUSU-142.) Grading: Letter Grade

MUSC-144 Creating, Recording, Marketing/Song Credits: 3 WOK: A Students are led through the process of song creation from the first moment of inspiration to the final production of the CD. Working in the recording studio is part of this musical experience. WOK: Artistic. (Formerly MUSU-144.) Grading: Letter Grade

MUSC-180 Jazz Improvisation I Credits: 1 An introductory course that prepares students for more advanced theoretical and analytical study in jazz. Topics include rhythm studies in swing and Latin music, technical studies, chord progressions, turnarounds, blues, and modes. Students experience music through activities such as performance, composition, analysis, ear training, and listening. Pre-

requisite: proficiency in music reading, private study of an instrument, and knowledge of basic theory. Permission of instructor required. (Formerly MUSU-180.) *Grading: Letter Grade*

MUSC-181 Jazz Improvisation II Credits: 3
An elective that is a continuation of Jazz Improvisation I, which addresses more advanced theoretical and analytical jazz studies. Topics include reharmonization, chord substitution, modes, passing chords, appoggiatura chords, diminished scales, and synthetic scales. Pre-requisite: MUSU-180. (New course Fall 2010.) *Grading: Letter Grade*

MUSC-190 Music and Technology Credits: 2
An introduction to computer hardware as used in music, the history of technology in music and the impact of computers on the music industry. Focuses on music software. Students should have a basic knowledge of music reading. (Formerly MUSU-190.) *Grading: Letter Grade*

MUSC-201 Music Theory I Credits: 3 A fundamental study of music theory, including scales, intervals, basic triad formation and melodic organization. (Formerly MUSU-201.) *Grading: Letter Grade*

MUSC-202 Music Theory II Credits: 3 A continuation of MUSU-201: reading in the movable clef and further exploration of diatonicism in both aural and written harmony. Includes four-part harmony in the common practice period. Students analyze the formal structure of the works under study, including keyboard application and plans of modulation. Pre-requisite: MUSU-201, or permission of the Chairperson. (Formerly MUSU-202.) *Grading: Letter Grade*

MUSC-203 Sounds of the World Credits: 3
WOK: A An introduction to the music of Western and non-Western cultures, including Celtic, African, Latin American, Middle Eastern, Eastern and Southern Asia in varying classes. Explores the music, art, and culture of these countries or regions. *WOK: Artistic.* (Formerly MUSU-203.) *Grading: Letter Grade*

MUSC-212 Keyboard Harmony Credits: 2
Designed to develop facility in applying principles of theory. Involves playing chord progressions, sequences, modulations and harmonizations of small forms as well as transposition, extemporization, and reading from instrumental and choral scores. Pre-Requisite: MUSC-202. (Formerly MUSU-212.) *Grading: Letter Grade*

MUSC-218 Basic Conducting Credits: 2
Explores fundamental techniques of conducting, including beat patterns, gesture, technique, and repertoire. Attention is given to various style periods and their characteristic sound quality. Opportunities to conduct student ensembles. (Formerly MUSU-218.) *Grading: Letter Grade*

MUSC-221 Western Music/Medieval-Baroque Credits: 3 A chronological in-depth study of the styles, features and aspects of Medieval, Renaissance and Baroque music. Designed for the Music Major, or for the

student with a strong background in music. *WOK: Writing Intensive* - as of Fall 2010. Pre-Requisite: ILAR-101 or IDHP-200. (Formerly MUSU-221 - not writing intensive.) *Grading: Letter Grade/Writing Intensive*

MUSC-222 Western Music/Classical-21st Cent Credits: 3 *WOK: A* A chronological in-depth study of the styles, features and aspects of Classical, Romantic, Twentieth-and Twenty First-Century music. Designed for the Music Major, or for the student with a strong background in music. *WOK: Artistic.* (Formerly MUSU-222.) *Grading: Letter Grade*

MUSC-252 Business of Music Credits: 3 An introductory course in the business fundamentals of the music entertainment industry. The following topics are addressed: music as a profession, agents, personal managers and publishers, performing rights, contracts, music copyrights, record companies/record industry, music licensing, promotion and publicity, music for film and video production, radio and TV advertising and career options. Cross-Listed: BADM-252. (Formerly MUSU-252.) *Grading: Letter Grade*

MUSC-301 Music Theory III Credits: 3
Explores chromatic harmony, and studies both melodic and harmonic analysis, as well as the continued analysis of form. Pre-requisites: MUSC-201 or MUSC-202, or permission of the Chairperson. (Formerly MUSU-301.) *Grading: Letter Grade*

MUSC-302 Music Theory IV Credits: 3 A guide to understanding the complexities of twentieth century music, while continuing to study music of the past. Includes form and analysis. Students analyze representative works. Pre-Requisite: MUSC-301 or permission of the Chairperson. (Formerly MUSU-302.) *Grading: Letter Grade*

MUSC-307 Counterpoint Credits: 3 Study of sixteenth-century polyphony and eighteenth-century counterpoint. Analysis of two- and three-part inventions, along with an introduction to canon and fugue. Pre-Requisite: MUSC-302. (Formerly MUSU-307.) *Grading: Letter Grade*

MUSC-309 Orchestration Credits: 3
Examines the ranges, techniques, and timbres of orchestral instruments. Students will arrange piano music for sections of the orchestra with particular emphasis on scoring for high-school orchestras. Score reading and computer use for score writing are stressed. Pre-Requisite: MUSC-302. (Formerly MUSU-309.) *Grading: Letter Grade*

MUSC-310 Jazz Arranging Credits: 3 An elective that studies the melodic and harmonic materials commonly used in jazz - the application of which is demonstrated by arranging projects for small combo to jazz orchestra. Topics include writing for the rhythm section, brass and reeds, creating an arrangement, introductions, interludes and endings, pedal point, harmonic planing, cadences, altered harmony and modulation. *Grading: Letter Grade*

MUSC-401 Internship in Music Credits: 3
Provides practical experience at a site approved by the department and is tailored to the specific interests of the student. Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. (Formerly MUSU-401 and MUSU-402.) *Grading: Pass/Fail Only*

MUSC-490 Independent Study in Music Credits: 3 Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

MUSC-498 Senior Seminar in Music Credits: 3
Requires an in-depth study of a particular aspect of music/music education not stressed in structured courses. Varies according to individual needs and interests. Formal presentation of a paper concludes the research. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: A Writing Intensive course; or IDHP-200. (Formerly MUSU-498.) *Grading: Letter Grade*

MUSE-159 Choral Methods Credits: 0.5
Instruction in vocal techniques as applies to building choral sound, intonation, balance and blend. Attention to various grade levels, cultures and styles. Field observations included. (Formerly MSEDU-159, 1.0 credit.) *Grading: Letter Grade*

MUSE-161 String Methods I Credits: 0.5 A practical study of the instruments of the string family. Problems in teaching, examination of methods and materials for each instrument, fingering and bowing styles, tone production, and ensemble experience. Field observations included. (Formerly MSEDU-161.) *Grading: Letter Grade*

MUSE-162 String Methods II Credits: 0.5 A practical study of the instruments of the string family. Problems in teaching, examination of methods and materials for each instrument, fingering and bowing styles, tone production, and ensemble experience. Field observations included. Pre-Requisite: MUSE-161. (Formerly MSEDU-162.) *Grading: Letter Grade*

MUSE-163 Guitar Methods Credits: 0.5
Teaching methods in accompanying, reading music, history of guitar. Student aims to sing and accompany self on guitar. Field observations included. (Formerly MSEDU-163, 1 credit.) *Grading: Letter Grade*

MUSE-165 Woodwind Methods I Credits: 0.5
Practical study of the instruments of the woodwind family: assembling, holding and maintenance of instruments; embouchure and tone production; transposition; fingering; range; problems in teaching young players; examination of methods and materials for each instrument; makes of instruments, quality, prices. Field observations included. (Formerly MSEDU-165.) *Grading: Letter Grade*

MUSE-166 Woodwind Methods II Credits: 0.5
A practical study of the instruments of the woodwind family: assembling, holding and

maintenance of instruments; embouchure and tone production; transposition; fingering; range; problems in teaching young players; examination of methods and materials for each instrument; makes of instruments, quality, prices. Field observations included. Pre-Requisite: MUSE-165. (Formerly MSEDU-166.) *Grading: Letter Grade*

MUSE-167 Brass Methods I *Credits: 0.5* A practical study of the instruments of the brass family: assembling, holding, maintenance of these instruments; embouchure and tone production; transposition; arranging, fingerings and range; problems in teaching young players; examination of methods and materials; makes of instruments, quality, price. Field observations included. (Formerly MSEDU-167.) *Grading: Letter Grade*

MUSE-168 Brass Methods II *Credits: 0.5* A practical study of the instruments of the brass family: assembling, holding, maintenance of these instruments; embouchure and tone production; transposition; arranging, fingerings and range; problems in teaching young players; examination of methods and materials; makes of instruments, quality, price. Field observations included. Pre-Requisite: MUSE-167. (Formerly MSEDU-168.) *Grading: Letter Grade*

MUSE-170 Percussion Methods *Credits: 0.5* A practical study of the instruments of the percussion family. Discusses and demonstrates literature in order to identify, examine and suggest methods of assisting young musician. Students perform percussion ensemble literature and consider problems of purchasing, maintenance and repair. Field observations included. (Formerly MSEDU-170.) *Grading: Letter Grade*

MUSE-172 Instrumental Methods *Credits: 0.5* A practical study of instrumental techniques and procedures for teaching small and large ensembles. (Formerly MSEDU-172.) *Grading: Letter Grade*

MUSE-290 Music and Technology II *Credits: 2* Explores software programs such as Sibelius, Sonar, and others. Students learn to write for large ensembles and produce a final multimedia project. (Formerly MSEDU-290.) *Grading: Letter Grade*

MUSE-320 Music For Diverse Learners *Credits: 4* Assists the student teacher in learning skills and approaches to working with the mainstreamed child in the music classroom. Field observations included. (Formerly MSEDU-320.) *Grading: Letter Grade*

MUSE-350 Music Ed/Elementary School *Credits: 3* Using newly designed National Standards for Arts Education guidelines, this course introduces methods and materials used in teaching music in the elementary (K-6) classroom. Topics include basic issues and trends, planning and presenting music experiences, basal music texts, and new directions in curriculum. Field observations included. (Formerly MSEDU-350.) *Grading: Letter Grade*

MUSE-351 Music Ed/Middle and High School *Credits: 3* Presents pluralistic approaches for teaching in the middle and senior high school. Topics include curriculum development, general music perspectives, philosophical, psychological, and aesthetic foundations of music, instrumental and vocal music approaches as well as contemporary issues relevant to the subject area. Field observations included. (Formerly MSEDU-351.) *Grading: Letter Grade*

MUSE-352 Student Teaching/Music Education *Credits: 6* Observation, participation, and teaching in all phases of music education. Two placements are required for music education. Each placement is seven weeks in duration. Students are assigned an elementary school in either the public or private sector. The second placement is either at the middle school or secondary school level. Regular supervisions by cooperating teacher and the college supervisor. Co-Requisite: MUSE-353. (Formerly MSEDU-352.) *Grading: Letter Grade*

MUSE-353 Student Teaching Seminar/Music Educ *Credits: 3* A discussion and evaluation of classroom experiences of the current week. Additional topics concerning current issues, directions and research in music education. Involves weekly conference to correlate classroom experiences with music education studies. Co-Requisite: MUSE-352. (Formerly MSEDU-353.) *Grading: Letter Grade*

MUSL-141 Non-Majors/Beginning Piano I *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Pass/Fail Only*

MUSL-142 Non-Majors/Beginning Piano II *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Pass/Fail Only*

MUSL-143 Non-Majors/Beginning Voice I *Credits: 0.5* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Letter Grade*

MUSL-144 Non-Majors/Beginning Voice *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Pass/Fail Only*

MUSL-145 Non-Majors/Beginning Violin I *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Pass/Fail Only*

MUSL-149 Non-Majors/Beginning Harp I *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are

arranged directly with the instructor each semester. *Grading: Pass/Fail Only*

MUSL-157 Non-Majors/Beginning Trumpet I *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Pass/Fail Only*

MUSL-163 Non-Majors/Beginning Clarinet I *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Pass/Fail Only*

MUSL-165 Non-Majors/Beginning Saxophone I *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Pass/Fail Only*

MUSL-169 Non-Majors/Beginning Percussion I *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Pass/Fail Only*

MUSL-171 Non-Majors/Beginning Guitar I *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Pass/Fail Only*

MUSL-172 Non-Majors/Beginning Guitar II *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Pass/Fail Only*

MUSL-173 Non-Majors/Beginning Flute I *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Letter Grade*

MUSL-180 Non-Majors/Beginning String Bass I *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Pass/Fail Only*

MUSL-190 Non-Majors/Begin Baritone Horn I *Credits: 1* There is an additional fee per semester for private music lessons for non-music majors. Lesson time/location are arranged directly with the instructor each semester. *Grading: Pass/Fail Only*

MUSP-341 A Cappella Choir Performance *Credits: 0.5* An a cappella group that performs during the year. Repertoire includes barbershop, contemporary, and pop style. Audition is required. Graded Pass/Fail only. Credits not applicable towards graduation. Pre-Requisite or Co-Requisite: MUSP-357. (Formerly MSAPU 140-141 to 440-441.) *Grading: Non-Academic Pass/Fail*

MUSP-351 Gospel Choir Performance Credits: 0.5 Gospel style performing group open to all students. Audition is required and information is available in the Music Department. Graded Pass/Fail only. Credits not applicable towards graduation. (Formerly MSAPU 150-151 to 450-451.) *Grading: Non-Academic Pass/Fail*

MUSP-353 Chorus Performance Credits: 0.5 Performance of choral literature for mixed voices. The chorus performs at the annual Christmas Concert and other events as scheduled. Graded Pass/Fail only. Credits not applicable towards graduation. (Formerly MSAPU 153-154 to 453-454.) *Grading: Non-Academic Pass/Fail*

MUSP-355 Chamber Ensemble Performance Credits: 0.5 The study and performance of instrumental music of various styles. Open to students with knowledge of an orchestral instrument. Performances include Carol Night, Spring Concert, and other events as scheduled. Collaboration with Villanova orchestra occurs for various occasions. Graded Pass/Fail only. (Credits not applicable towards graduation.) (Formerly MSAPU 155-156 to 455-456.) *Grading: Non-Academic Pass/Fail*

MUSP-357 Hill Singers Performance Credits: 0.5 Choral group meets weekly to prepare repertoire for various college-related functions and the community. No previous singing experience is necessary but an audition is required. Graded Pass/Fail only. Credits not applicable towards graduation. (Formerly MSAPU 157-158 to 457-458.) *Grading: Non-Academic Pass/Fail*

MUSP-359 Jazz Ensemble Performance Credits: 0.5 The performance of various styles of jazz and contemporary music for various college events. Open to students with knowledge of orchestral/band instruments. Audition is required. Graded Pass/Fail only. Credits not applicable towards graduation. (Formerly MSAPU 159-160 to 459-460.) *Grading: Non-Academic Pass/Fail*

MUSP-367 Flute Ensemble Performance/ Credits: 0.5 Students learn literature arranged for flute. Meets weekly and performs on and off campus at college functions. Flute Ensemble is open to all students; audition is required. Graded Pass/Fail only. Credits not applicable towards graduation. (Formerly MSAPU 167-168 to 467-468.) *Grading: Non-Academic Pass/Fail*

MUSP-369 Brass Ensemble Performance Credits: 0.5 Students learn literature arranged for the brass ensemble. Meets weekly. Performances are on- and off-campus. Brass Ensemble is open to all students; an audition is required. Graded Pass/Fail only. Credits not applicable towards graduation. (Formerly MSAPU 169-170 to 469-470.) *Grading: Non-Academic Pass/Fail*

MUSP-381 Jazz Improvisation Workshop Credits: 0.5 Students learn and experience the performance of jazz improvisation both individually and within a larger jazz ensemble. Audition is required. Graded Pass/Fail only.

Credits not applicable towards graduation. (Formerly MSAPU 180-181 to 480-481.) *Grading: Non-Academic Pass/Fail*

MUSP-391 Saxophone Ensemble Performance Credits: 0.5 Saxophone Ensemble is open to all students; however, an audition is required. Graded Pass/Fail only. Credits not applicable towards graduation. (Formerly MSAPU 190-191 to 490-491.) *Grading: Non-Academic Pass/Fail*

MUSP-393 String Ensemble Performance Credits: 0.5 String Ensemble is open to all students; however, an audition is required. Graded Pass/Fail only. Credits not applicable towards graduation. (Formerly MSAPU 192-193 to 492-493.) *Grading: Non-Academic Pass/Fail*

PHED-108 Body Sculpt Credits: 1 This course is structured to build cardiovascular endurance, improve muscular strength, core strength, balance and flexibility. This interval training course utilizes weights, fitness balls, jump ropes, steppers, and mini trams to enhance the exercises. Each class starts with a warm-up, followed by an intense work-out session, and a cool down. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. (Formerly PEU-108.) *Grading: Non-Academic Pass/Fail*

PHED-113 Fitness Swim Credits: 1 A swimming fitness course building strength and cardiovascular endurance in the water. Students keep track of number of laps completed each session, setting goals for improvement each session. The ultimate goal is to swim the English Channel (2,240 laps in the CHC pool) by the end of the semester. Students can use swim aids (belts and fins) if they chose. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. (Formerly PEU-113.) *Grading: Non-Academic Pass/Fail*

PHED-115 Beginner Swim Credits: 1 Introduces students to techniques which will enable them to survive in the water and skills which will enable them to pass the college swim test. Floating, modified elementary backstroke, crawl stroke, breathing techniques, diving and treading are introduced. Classes are structured to increase cardiovascular endurance and strength as well. Students will take the college swim test at the end of the semester. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. (Formerly PEU-115.) *Grading: Non-Academic Pass/Fail*

PHED-117 Karate Credits: 1 Geared to beginner level karate students and based on Tae Kwon Do forms of Karate. Self defense techniques are also incorporated in this class. Each class starts with a warm-up session followed by an instructional session. At the end of the semester, students will have the option of testing for their first belt (minimal cost if opting for belt testing). Credits do not count towards the total required for graduation. Course is repeatable. Graded

Pass/Fail only. (Formerly PEU-117.) *Grading: Non-Academic Pass/Fail*

PHED-119 Dancercise Credits: 1 Structured to build cardiovascular endurance, this course is based on dance as its form of exercise. Dance offerings may vary from semester to semester. Credits do not count towards the total required for graduation. Course is repeatable. Graded pass or fail only. Satisfies: one credit of the PE requirement. (New course Fall 2011.) *Grading: Non-Academic Pass/Fail*

PHED-123 Pilates/FitBall/Yoga Credits: 1 This course is structured to build core strength and body strength as well as flexibility and balance using three different exercise programs; Pilates, Fitball and Yoga. Exercises developed by Joseph Pilates are introduced and practiced for core strength and body toning. The fitness ball is used for entire body conditioning, and yoga vinyasas are introduced to improve strength, flexibility and balance. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. (Formerly PEU-123.) *Grading: Non-Academic Pass/Fail*

PHED-126 Lifeguarding Credits: 1 The American Red Cross program provides students with skills and knowledge necessary for lifeguard certification. For certification, students must pass all required course skills, a final skills test, and a written test. Students must be proficient in free style stroke and treading water. American Red Cross fees for certification and face mask apply. Texts may be required. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. (Formerly PEU-126.) *Grading: Non-Academic Pass/Fail*

PHED-143 Racquet Sports Credits: 1 Tennis/Pickleball is offered in the fall semester so that students can utilize the outdoor tennis courts. The course introduces the fundamentals of tennis with an emphasis on cardio development. Each class consists of a warm-up, agility and footwork drills and skills which will progress to a game. Each student will complete the course with the knowledge to play the game of tennis. Pickleball will occasionally be introduced throughout the semester. Badminton/Pickleball is offered only in the spring semester. This course emphasizes the skills of badminton. Each class consists of a warm-up, agility and footwork drills and skills which will progress to a game. Each student will complete the course with the knowledge to play a badminton match. The course will terminate with a round robin tournament. Pickleball may be introduced depending on class size. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. (Formerly PEU-143.) *Grading: Non-Academic Pass/Fail*

PHED-145 Aquatics Boot Camp Credits: 1 Structured to build cardiovascular endurance, improve muscular strength, core strength, balance and flexibility. Both the shallow end and deep end of the pool are used to enhance the exercises used to accomplish the fitness goals. Students utilize lots of toys including

kickboards, noodles, dumb bells, balls and weights. Students begin with a warm up and move to an intense work out session followed by a period of stretching. Incorporated into this course are several classes practicing stress reduction techniques. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. (Formerly PEU-145.) *Grading: Non-Academic Pass/Fail*

PHIL-109 Philosophical Thinking Credits: 3
WOK: P Introduces the student to the study of reasoning, emphasizing the structure of arguments. It is a basic introductory course that explores Philosophy as a human activity. It focuses upon the processes used by philosophers as they examine questions such as: What is reason? What is real? What ought we do? Is there a God? Students not only experience major philosophers at work on human issues, but also participate in the activity by developing their own skills for creative thinking, rational agreement and responsible judgment. The course is designed to help students develop analytical skills for understanding how arguments work, how they are structured, and how they are to be evaluated. This course will also help students develop composition skills for constructing arguments and defending claims which will help develop and enhance their ability to express themselves articulately and persuasively. These skills are crucial for both making a civilized impact on the world and for serious and honest internal reflection. *WOK: Problem Solving. (Formerly PHILU-109.) Grading: Letter Grade*

PHIL-110 Intro to Philosophy: World Views Credits: 3
WOK: P A study of various ways in which philosophers structure their views of the experienced world. Emphasizes historical context, critical analysis, the nature of philosophical thinking, and the relation between philosophy and other aspects of culture. *WOK: Problem Solving/Writing Intensive. Pre-Requisite: ILAR-101 or IDHP-200. (Formerly PHILU-110.) Grading: Letter Grade/Writing Intensive*

PHIL-120 19th and 20th Century Philosophers Credits: 3 Historical development of 19th and 20th century philosophers from Kant through Hegel, Nietzsche, and Sartre, to the linguistic turn. (Formerly PHILU-120.) *Grading: Letter Grade*

PHIL-124 Introduction to American Philosophy Credits: 3
WOK: P A study of major issues in American philosophy as developing out of the western philosophical tradition. Emphasizes understanding fundamental questions and analyses, historical context, and the relation between philosophy and characteristically American modes of thought and culture. *WOK: Problem Solving. (Formerly PHILU-124.) Grading: Letter Grade*

PHIL-128 Introduction to Symbolic Logic Credits: 3
WOK: P An introduction to modern logical symbolism, the relation between modern and traditional formal logic, a brief history of logic, its relation to everyday language, methods of deduction in

propositional, predicate, and relational logic. *WOK: Problem Solving. (Formerly PHILU-128.) Grading: Letter Grade*

PHIL-201 Existence Credits: 3 Historical development of 19th and 20th Century philosophers from Kant through Hegel, Nietzsche, and Sartre, to the linguistic turn. (Formerly PHILU-201.) *Grading: Letter Grade*

PHIL-203 Philosophy and Literature Credits: 3 Using a Tele-video representation of classical, modern and contemporary drama, students explore a philosophical perspective on tragedy as an art form. Works examined include: Agamemnon, Iphigenia In Aulis, Oedipus Tyrannus, Medea, The Flies, A Streetcar Named Desire, A Long Day's Journey into Night. (Formerly PHILU-203.) *Grading: Letter Grade*

PHIL-207 History and Philosophy of Science Credits: 3 An investigation into the nature and scientific inquiry through study of the development of science and of the concept of science from the pre-Socratics to the twentieth century. Major issues of scientific methodology, such as discovery, validation, explanation, the nature of theories, causality, the nature of scientific revolutions, and the nature of feminist critique of science are presented in the context of the relation between science and culture. (Formerly PHILU-207.) *Grading: Letter Grade*

PHIL-209 History/Ancient/Medieval Philosophy Credits: 3 Focuses on both the historical continuity and the dialectical tensions in the development of western thought. Content includes the pre-Socratics, Socrates, Plato, Aristotle, the Stoics, the Neo-Platonists, St. Augustine and his influence on later medieval thought, Thomas Aquinas and Duns Scotus. (Formerly PHILU-209.) *Grading: Letter Grade*

PHIL-212 History of Modern Philosophy Credits: 3 Intended to be a serious investigation into the work of the most prominent figures of the modern period in the history of philosophy. Specifically we will seek to come to an initial understanding of selections from the work of Rene Descartes, David Hume, Jean-Jacques Rousseau, Immanuel Kant, G. W. F. Hegel, Soren Kierkegaard, Karl Marx and Friedrich Nietzsche. (Formerly PHILU-212.) *Grading: Letter Grade*

PHIL-215 Philosophy/Religion/Eastern World Credits: 3 An introduction to some of the main traditions of India and Asia through a reading of a central primary text in each. Focus is on the Hindu, Buddhist, and Taoist traditions as an attempt to appreciate the range and thematic unity of these perspectives. (Formerly PHILU-215.) *Grading: Letter Grade*

PHIL-222 Introduction to Philosophy Ethics Credits: 3 A study of major western ethical theories and their application to perennial and contemporary ethical issues. Emphasizes critical analysis, the relation between ethics and culture, and the significance of virtue-based ethical analysis. Credit hours may not

be earned in both PHIL-222 and PHIL-224. (Formerly PHILU-112-Writing Intensive.) *Grading: Letter Grade*

PHIL-224 Intro/ Ethics and the Environment Credits: 3 A study of major western ethical theories and their application to perennial and contemporary ethical issues, with special focus on environmental concerns in both discussion and writing assignments. Emphasizes critical analysis, the relation between ethics and culture, the significance of virtue-based ethical analysis, and connections between environmental ethics and other ethical issues. Credit hours may not be earned in both PHIL-222 and PHIL-224. (Formerly PHILU-112-Writing Intensive.) *Grading: Letter Grade*

PHYS-104 Astronomy Credits: 3
WOK: S An introduction to the sky, the solar system, stellar evolution, deep space objects and cosmology as well as the tools used by astronomers to study the universe. Laboratory activities as well as the use of a 14" Celestron telescope and a planetarium instrument enhance the course material. Freshman may not enroll in this course if it is scheduled one day per week. *WOK: Scientific. (Formerly PHYSU-104.) Grading: Letter Grade*

PHYS-104L Astronomy Lab Credits: 0 Co-requisite lab with PHYS-104. (New course Fall 2011.) *Grading: Letter Grade*

PHYS-105 Physical/Earth/Space Science Credits: 4
WOK: S Introduces students to the basics of the physical sciences including Earth Science and Astronomy. Examines how scientific knowledge in these areas is obtained as well as the implications and applications of that knowledge. Emphasis is on how scientists perceive and attempt to understand the natural world. The approach is conceptual, with emphasis on understanding the way things work, rather than deeply theoretical. Laboratory activities will provide hands on investigation of these concepts. For education majors, this course provides content specific to earth and physical sciences to meet specific PA Department of Education competencies. *WOK: Scientific. Co-Requisite: PHYS-105L. (New course Spring 2011.) Grading: Letter Grade*

PHYS-105L Physical/Earth/Space Science Lab Credits: 0 Taken in the same semester as PHYS-105. Lab is graded as part of the lecture. Co-Requisite: PHYS-105. (New course Spring 2011.) *Grading: Letter Grade*

PHYS-107 The Science of Music Credits: 3
WOK: S An introduction to the science of musical sound. Topics include the production, reproduction, and transmission of sound, the structure of the human voice and ear, the acoustical foundations of musical scales and instrument tuning, the design of listening rooms and musical instruments. *WOK: Scientific. (Formerly PHYSU-107.) Grading: Letter Grade*

PHYS-121 Principles of Physics I Credits: 4
WOK: S A calculus-based introduction to the ideas of classical physics. Topics include mechanics, wave motion and sound. *WOK:*

Scientific. Co-Requisite: PHYS-121L. Pre-Requisites: MATH-202; or MATH-203 and MATH-204; or MATH-211 and MATH-212. (Formerly PHYSU-121.) *Grading: Letter Grade*

PHYS-121L Principles of Physics I Lab *Credits: 0* Taken in the same semester as PHYS-121. Lab is graded as part of the lecture. Co-Requisite: PHYS-121.(Formerly PHYSU-121L.) *Grading: Letter Grade*

PHYS-122 Principles of Physics II *Credits: 4* *WOK: S* A calculus-based introduction to the ideas of classical physics. Topics include thermodynamics, electricity and magnetism, and light. Co-Requisite: PHYS-122L. *WOK: Scientific.* Pre-Requisites: MATH-212 and PHYS-121. (Formerly PHYSU-122.) *Grading: Letter Grade*

PHYS-122L Principles of Physics II Lab *Credits: 0* Taken in the same semester as PHYS-122. Lab is graded as part of the lecture. Co-Requisite: PHYS-122. (Formerly PHYSU-122L.) *Grading: Letter Grade*

PSCI-101 Introduction to Political Science *Credits: 3* *WOK: B* A general survey course that examines the nature of the discipline with respect to its historical development and its major subdivisions, including the American political system, political theories and ideologies, comparative government, and international relations. *WOK: Behavioral.* (Formerly PSCU-101.) *Grading: Letter Grade*

PSCI-112 American State and Local Government *Credits: 3* *WOK: B* Looks at the organization and functions of state and local government under our federal system as well as the rights and duties of citizens within their communities, with particular emphasis on government and citizenship in Pennsylvania. *WOK: Behavioral.* (Formerly PSCU-102 and PSCU-112.) *Grading: Letter Grade*

PSCI-113 American Political Process *Credits: 3* *WOK: B* A basic course on the structure and functions of the American federal government. Topics for analysis include: the origins of the American Constitution, US political culture, political parties and interest groups, the structure and functioning of the Congress and the Executive, and impact of the Supreme Court on public policy. *WOK: Behavioral.* (Formerly PSCU-103 and PSCU-113.) *Grading: Letter Grade*

PSCI-114 American Political Parties *Credits: 3* *WOK: B* Examines political parties and pressure groups in their role as a legitimizing factor in American government with emphasis on recent statistical materials in the fields of party organization, voting behavior and public opinion. *WOK: Behavioral.* (Formerly PSCU-114.) *Grading: Letter Grade*

PSCI-117 Principles of Business Law *Credits: 3* *WOK: B* Students receive an introduction to the nature and functions of law and the fundamental principles of business law: law of contracts, torts, insurance, consumer rights, wills and trusts, and sales. *WOK: Behavioral.* (Formerly PSCU-107 and PSCU-117.) *Grading: Letter Grade*

PSCI-118 Mass Media and Politics *Credits: 3* *WOK: B* Explores the various types of media, government regulation of the media, the gathering and distribution of political news, and media use in election campaigns. *WOK: Behavioral* (Formerly PSCU-118 and PSCU-185.) *Grading: Letter Grade*

PSCI-130 The Rule of Law *Credits: 3* *WOK: B* A basic survey course of government regime types. Rules of law (liberal democracies) are compared to rules of men (autocracies, one-party states and monarchies) and rules of religious leaders (theocracies) as these regime types have been found in the past and present. Special emphasis is given to the challenge of creating a rule of law in newly established democracies. *WOK: Behavioral.* (Formerly PSCU-130) *Grading: Letter Grade*

PSCI-140 Introduction to World Politics *Credits: 3* *WOK: B* Seeks to acquaint students with the actors, issues and structure of the international system of states. Topics include power politics, humanitarian interventions, war and democracy, international terrorism, nuclear proliferation, free trade, global finance, the global commons, international law and globalization. *WOK: Behavioral.* (Formerly PSCU-140.) *Grading: Letter Grade*

PSCI-214 Constitutional Law: Civil Liberties *Credits: 3* *WOK: B* Examines the Supreme Court's role in determining the limits of the civil rights and liberties such as freedom of speech, freedom of press, freedom of religion and other protections of the Bill of Rights. *WOK: Behavioral.* (Formerly PSCU-214.) *Grading: Letter Grade*

PSCI-230 Intro/Comp Politics/Gov't Systems *Credits: 3* *WOK: B* Examines important issues and core concepts for understanding government and politics in Britain, Russia, China, India, Nigeria, and Mexico. Class lectures and discussions are organized around the themes of stability and change in political institutions, economic development, citizen participation

and social welfare. *WOK: Behavioral.* (Formerly PSCU-230.) *Grading: Letter Grade*

PSCI-231 Intro/Comp Politics/Nat'l Themes *Credits: 3* *WOK: B* An introduction to the major theoretical approaches and themes of comparative politics. These themes include: state and nation formation, development and dependency, revolution, democracy and democratization, non-democratic governments, terrorism, ethnic conflict, and genocide. *WOK: Behavioral.* *Grading: Letter Grade*

PSCI-232 Comparative Democracy *Credits: 3* *WOK: B* An exploration of various types of "government by the people," with emphasis on the issues and challenges of political participation, market capitalism, civil society, and homeland security in five mature democracies: the United States, Britain, India, Japan and Israel. *WOK: Behavioral.* (Formerly PSCU-232.) *Grading: Letter Grade*

PSCI-240 Theories of International Relations *Credits: 3* *WOK: B* A critical examination of

the major theoretical approaches of international relations, focusing on both historical and current issues in international security and international political economy. Classic concepts such as anarchy, balance of power, the security dilemma, the shadow of the future, public goods, interdependence, free markets and non-state actors are discussed and applied to contemporary case studies such as the NATO alliance, the Arab-Israeli conflict, the Persian Gulf War, U.S.-China relations, and others. *WOK: Behavioral.* (Formerly PSCU-240.) *Grading: Letter Grade*

PSCI-241 American Foreign Policy *Credits: 3* *WOK: B* An exploration of national interests and principles that have animated US foreign policy debates and actions throughout the 20th century and at the start of the new millennium. Topics include the foreign policy decision-making process, problems of national security, and strategies for trade and monetary policy in the international economy. *WOK: Behavioral.* (Formerly PSCU-141 and PSCU-241.) *Grading: Letter Grade*

PSCI-242 International Organizations *Credits: 3* *WOK: B* Considers the role of international organizations and international regimes in promoting world order. Topics include peacekeeping, nuclear proliferation, world health, economic distributive justice, environmental issues and the Law of the Sea. *WOK: Behavioral.* (Formerly PSCU-242.) *Grading: Letter Grade*

PSCI-281 Special Topics in Political Science *Credits: 3* *WOK: B* Topics vary by semester. Repeatable for credit. *WOK: Behavioral.* (Formerly PSCU-250.) *Grading: Letter Grade*

PSCI-321 Political Theories: Ancient/Medieval *Credits: 3* *WOK: B* Explores the works of major political philosophers in early world history and focuses on such concepts as justice, freedom, and equality as well as the nature and the function of the state. Students will investigate the relevance of early philosophical insights for contemporary political challenges. *WOK: Behavioral.* (Formerly PSCU-311.) *Grading: Letter Grade*

PSCI-322 Political Theories: 17th to 20th C *Credits: 3* *WOK: B* An analysis of the writings of selected modern world political philosophers and the influence of their ideas on present political structures. Issues discussed include the problem of political obligation, freedom vs. totalitarianism, the social contract, forms of government, and revolution. *WOK: Behavioral.* (Formerly PSCU-312) *Grading: Letter Grade*

PSCI-330 Gov't/Politics of the Middle East *Credits: 3* *WOK: B* Compares authoritarian, monarchical and democratic regime types found in the Middle East, focusing on the impacts of religion, colonialism, the Cold War, the Palestinian-Israeli conflict, and the blessings/curses of oil across the region. *WOK: Behavioral/Writing Intensive.* Pre-Requisite: ILAR-101 or IDHP-200. (Formerly PSCU-330.) *Grading: Letter Grade//Writing Intensive*

PSCI-341 International Political Economy *Credits: 3* *WOK: B* Explores theories and

issues in international political economy, focusing on the political consequences of global economic relations. Students will investigate both historical and current challenges in international political economy. Topics include international trade relations, international monetary management, strategies for economic development, the effects of multinational corporations, the efficacy of foreign aid, oil and cartel power. WOK: Behavioral. (Formerly PSCU-241 and PSCU-341.) *Grading: Letter Grade*

PSCI-401 Internship in Political Science
Credits: 3 A field experience for qualified majors that has direct relevance to the areas of government, law and politics. The internship does not count toward the 36 credit hours required for the major in Political Science. Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. Pre-Requisite: Permission of Instructor (not open to Freshmen.) (Formerly PSCU-401.) *Grading: Pass/Fail Only*

PSCI-481 Adv Special Topics in Political Sci
Credits: 3 WOK: B Topics vary by semester. Repeatable for credit. WOK: Behavioral. *Grading: Letter Grade*

PSCI-490 Independent Study in Political Sci
Credits: 3 An opportunity for students to work one-on-one with a professor to pursue advanced study in researching a political science topic. Arranged by invitation from political science faculty. Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

PSCI-498 Senior Seminar in Political Science
Credits: 3 Designed to be the capstone experience for political science majors and requires students to reflect on the integrated nature of coursework they have completed while pursuing the major. Students will submit a research paper that explores a topic according to the standards of the discipline. Students will also give a poster and oral presentation on their research topic. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: PSCI-330. (Formerly PSCU-498.) *Grading: Letter Grade*

PSPK-101 Fundamentals of Public Speaking
Credits: 1 (New course Fall 2011.) *Grading: Letter Grade*

PSYC-101 General Psychology *Credits: 3 WOK: B* An introduction to the nature, scope, and methods of Psychology. Includes a survey of the processes of learning, memory, human development, social Psychology, and symptoms, diagnoses and treatment of Psychological disorders. Discusses the role of methodologies used to investigate the social and biological bases underlying human behavior. WOK: Behavioral. (Formerly PSYU-101.) *Grading: Letter Grade*

PSYC-103 Psychology/Child Development
Credits: 3 WOK: B Explores the Psychological theories of emotional, social, cognitive, and

physical development from the prenatal period through childhood. Contains an experiential component through personal research on cognitive transitions that occur during middle childhood. Pre-Requisite: PSYC-101. WOK: Behavioral. (Formerly PSYU-103.) *Grading: Letter Grade*

PSYC-109 Psychology of Women *Credits: 3 WOK: B* Considers interpersonal and familial relationships, family, education, career choice, and historical change as they relate to the lives of women in the US and globally. Emphasizes issues that affect growth and development such as social identity, self-esteem, and gender-typing. Feminist research and theory, current political trends, and personal experience are united in an effort to better understand the universal effects of gender on personal and Psychological outcomes for women. WOK: Behavioral. Pre-Requisite: PSYC-101. (Formerly PSYU-109.) *Grading: Letter Grade*

PSYC-111 Industrial/Organizational Psych
Credits: 3 WOK: B Considers employee motivation, job satisfaction, leadership styles, power and influence; work related stressors; job involvement and organizational commitment; and recruitment, selection, training. Emphasizes issues of fairness at work including compliance with equal employment guidelines; gender discrimination; enforcement of sexual harassment policies; comparable worth and pay equity. WOK: Behavioral. Pre-Requisite: PSYC-101. (Formerly PSYU-111.) *Grading: Letter Grade*

PSYC-202 Educational Psychology *Credits: 3 WOK: B* Involves the application of Psychological principles concerned with the processes of growth and development, thinking, learning and motivation to the problems of education. Principles of social Psychology and mental hygiene are applied to educational problems in the home, school and community. WOK: Behavioral. Cross-listed: EDUC-202. Pre-Requisite: PSYC-101. (Formerly PSYU-202.) *Grading: Letter Grade*

PSYC-206 Theories of Personality *Credits: 3 WOK: B* Involves a study of the major Psychodynamic, behavioral, social learning, trait and humanistic theories of personality. Application is incorporated through various classroom techniques and assignments. WOK: Behavioral. Pre-Requisite: PSYC-101. (Formerly PSYU-206.) *Grading: Letter Grade*

PSYC-207 Intro to Cognitive Psychology
Credits: 3 WOK: B Provides an overview of contemporary research and theories concerning the structure and processes of the mind. Topics include information processing, artificial intelligence, sensory memory, masking effects, object recognition, attention, memory processes, language and decision-making. WOK: Behavioral. Pre-Requisite: PSYC-101 (Formerly PSYU-207.) *Grading: Letter Grade*

PSYC-210 Physiology of Behavior *Credits: 3 WOK: B* Provides a basic understanding of the biology of behavior. Exposure to a variety of aspects of neuroscience including the structure, function and communication of the

nervous system as well as their role in emotions, eating, learning and other behaviors. Includes principles of pharmacology and discussion of the Psychobiology of Psychological disorders. WOK: Behavioral. Pre-Requisite: PSYC-101. (Formerly PSYU-101.) *Grading: Letter Grade*

PSYC-211 Sensation and Perception *Credits: 3 WOK: B* Examines the field of perception: how we organize and interpret sensory information so that we can understand the external world. Topics to be covered include principles of Psychophysics; the eye and brain; pattern perception; color vision; perception of depth, size and motion; hearing and auditory system; touch; taste and smell. WOK: Behavioral. Pre-Requisite: PSYC-101. (Formerly PSYU-211.) *Grading: Letter Grade*

PSYC-212 Social Psychology *Credits: 3 WOK: B* The study of how an individual's thoughts, feelings, and behaviors are affected by social influences. Topics include: persuasion; conformity; obedience; liking, loving, and interpersonal attraction; self-concept; social cognition; prosocial behavior; and prejudice. WOK: Behavioral. Pre-Requisite: PSYC-101. (Formerly PSYU-212.) *Grading: Letter Grade*

PSYC-216 Quantitative Methods in Psychology *Credits: 3 WOK: P* Surveys statistical methods and concepts used in Psychological research. Provides a foundation in descriptive and inferential statistics. Includes measures of central tendency and dispersion, hypothesis testing, factorial analysis of variance, correlation and regression, and cross-tabulation methods. SPSS statistical computing software is utilized. While usually taken by Psychology majors only, this course is open to non-majors with Chairperson approval. WOK: Problem Solving. Pre-Requisite: PSYC-101 and the fulfillment of the Math Proficiency requirement. (Formerly PSYU-216.) *Grading: Letter Grade*

PSYC-217 Abnormal Psychology *Credits: 3 WOK: B* Focuses on the study of abnormal behavior, classification of Psychological disorders as well as possible causes, treatment options, prevention and prognosis. Examines the major theoretical perspectives in abnormal behavior. WOK: Behavioral. Pre-Requisite: PSYC-101. (Formerly PSYU-217.) *Grading: Letter Grade*

PSYC-223 Theory/Practice of Psych Counseling *Credits: 3 WOK: B* Reviews different theories of personality and their accompanying schools of counseling, including demonstrations by experienced counselors. Experiential exercises will help students to further develop basic listening and communications skills. WOK: Behavioral. Pre-Requisite: PSYC-101. (Formerly PSYU-223.) *Grading: Letter Grade*

PSYC-230 Drugs and Behavior *Credits: 3* Covers theories and experimental evidence regarding the mechanisms of action and effects of drugs on the brain and behavior. In addition it covers the impact of drugs on society and the implications of drug usage on clinical practice. Students engage in debates about topics relevant to drug usage and

legalization. Pre-Requisite: PSYC-101. (Formerly PSYU-230.) *Grading: Letter Grade*

PSYC-235 Forensic Psychology *Credits: 3*
Examines principles in the practice of law, including forensic assessment of competence and insanity mental disorders and criminal responsibility; eyewitness and expert testimony; tests of eyewitnesses' accuracy; ethical considerations of Psychologists as expert witnesses; Psychology of evidence; Psychology of jury selection, dynamics and deliberation; Psychology of victims. WOK: Behavioral. Pre-Requisite: PSYC-101. (New course Fall 2011.) *Grading: Letter Grade*

PSYC-240 Psych of Health/Stress/Coping *Credits: 3* WOK: B Examines various determinants of health outcomes. Includes the nature and causes of Psychological stress; relationships between stress and susceptibility to disease; impact of beliefs on perceptions of health and recovery; management of stress through coping styles and strategies; lifestyle-related disease due to health compromising behaviors. WOK: Behavioral. Pre-Requisite: PSYC-101. (Formerly PSYU-240.) *Grading: Letter Grade*

PSYC-250 Adolescence/Adulthood and Aging *Credits: 3* WOK: B Traces human development from early adolescence, through adulthood to death. It focuses on the cognitive, physical, social/emotional development and changes that humans undergo throughout the mature lifespan. WOK: Behavioral. Pre-Requisite: PSYC-101. (New course Fall 2011.) *Grading: Letter Grade*

PSYC-260 Theories of Learning *Credits: 3*
Provides an in-depth survey of classical, instrumental, and cognitively-based theories of learning with emphasis on human and clinical applications and analysis of the research in the field. Pre-Requisite: PSYC-101. (New course Fall 2011.) *Grading: Letter Grade*

PSYC-281 Special Topics in Psychology *Credits: 3* Topics vary, and include specialized topics touching on all of the areas of study in Psychology. Repeatable for credit. Pre-Requisite: PSYC-101. (Formerly PSYU-281.) *Grading: Letter Grade*

PSYC-301 Group Process and Leadership *Credits: 3* Interaction in a group setting focusing on theories and techniques of group counseling, group facilitation, and group development. Facilitating and participating in a group experience will be a part of the course. Pre-Requisite: PSYC-101. (Formerly PSYU-301.) *Grading: Letter Grade*

PSYC-313 Research Methods in Psychology *Credits: 3* Provides comprehensive coverage of the major methods used in Psychological research. Students receive extensive practice in designing, conducting, analyzing, and interpreting the results of research studies and writing reports in APA style. WOK: Writing Intensive. Pre-Requisite: PSYC-216; and ILAD-101 or IDHP-200. (Formerly PSYU-313.) *Grading: Letter Grade/Writing Intensive*

PSYC-314 Research Experience *Credits: 3*
Psychology, and highly recommended if

continuing with graduate study in Psychology at the Master's and/or Doctoral level. Provides the opportunity for students to design, conduct, analyze, and report research findings in their own area(s) of interest. Research topics may be derived from any approved area in the field of Psychology, such as clinical, cognitive, developmental, experimental, organizational, and social Psychology. Open to non-majors with approval of instructor. (Formerly PSYU-314.) *Grading: Letter Grade*

PSYC-320 Psychological Measurement *Credits: 3* Includes fundamentals of test development and construction, evaluation, scoring, and interpretation, and survey methodology. Presents concepts of reliability and validity, and ethical considerations of Psychological measurement. Examines tests used for the assessment of intelligence, personality, and abilities. Open to non-majors who have completed a course in statistics and receive permission of the Chairperson. Pre-Requisite: PSYC-216. (Formerly PSYU-320.) *Grading: Letter Grade*

PSYC-401 Internship in Psychology *Credits: 3*
Provides practical and relevant experience in the field of Psychology by working at an approved site. Selection of the site depends on student interest and approval of the Chairperson. Open to majors with Junior or Senior status only. Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. (Formerly PSYU-401 and PSYU-402.) *Grading: Pass/Fail Only*

PSYC-405 Teaching of Psychology *Credits: 1*
Presents information essential for teaching Psychology in high school or at the undergraduate level. Students have an opportunity to assist in a course. Graded Pass/Fail only. Pre-Requisites: Junior or Senior status; a minimum major GPA of 3.0; and Chairperson approval. (Formerly PSYU-405.) *Grading: Pass/Fail Only*

PSYC-481 Advanced Special Topics in Psych *Credits: 3* Topics vary, and include specialized topics touching on all of the areas of study in Psychology. Repeatable for credit. Pre-Requisite: PSYC-101. (Formerly PSYU-481.) *Grading: Letter Grade*

PSYC-490 Independent Study in Psychology *Credits: 3* Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

PSYC-498 Senior Seminar in Psychology *Credits: 3* Focuses on current theories and research in the field of Psychology. Attempts to integrate students' knowledge about Psychology and provides an opportunity for a careful examination of critical, contemporary issues in Psychology. Each senior presents a research report and an oral report on a contemporary topic. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: PSYC-313. (Formerly PSYU-498.) *Grading: Letter Grade*

PSYG-506 Tech Counseling/Psychotherapy I *Credits: 3* This course fosters the development of basic counseling and psychotherapy skills through a combination of didactic instruction and role-plays (including required videotaped role-plays). Focus is on establishing a therapeutic rapport, formulating appropriate directions for therapy, and conceptualizing strategies for intervention. Specific skills include listening, suicide intervention, assessment, formulation of questions, and empathic responses. (Formerly GRCP-506.) *Grading: Letter Grade*

PTCP-116 Functional Body Works *Credits: 4*
WOK: S Covers the basic scientific foundation for understanding the structures and functions of the human body and the biomechanics of bony joints and muscles (anatomy). Co-Requisite: PTCP-116L. WOK: Scientific. (Formerly SCIU-116.) *Grading: Letter Grade*

PTCP-116L Functional Body Works Lab *Credits: 0* Lab is graded as part of the lecture. Co-Requisite: PTCP-116. (Formerly SCIU-116L.) *Grading: Letter Grade*

PTCP-117 Science of Exercise *Credits: 4* WOK: S Covers the basic concepts of energy and muscle function and the physiological responses to physical activity. Co-Requisite: PTCP-117L. WOK: Scientific. (Formerly SCIU-117.) *Grading: Letter Grade*

PTCP-117L Science of Exercise Lab *Credits: 0*
Lab is graded as part of the lecture. Co-Requisite: PTCP-117. (Formerly SCIU-117L.) *Grading: Letter Grade*

PTCP-118 Personal Training Concepts *Credits: 4* WOK: S Science behind sports training program design and the demands athletes and the general population face in everyday life. Concentration is placed on kinetic chain assessment, corrective exercise training, dynamic flexibility training, core strength training, neuromuscular stabilization training, reactive neuromuscular training, speed/agility/quickness, and integrated strength training. Co-Requisite: PTCP-118L. WOK: Scientific. (Formerly SCIU-118.) *Grading: Letter Grade*

PTCP-118L Personal Training Concepts Lab *Credits: 0* Lab is graded as part of the lecture. Co-Requisite: PTCP-118. (Formerly SCIU-118 L.) *Grading: Letter Grade*

RLST-104 Religious Imagination *Credits: 3*
Explores questions regarding the general nature of religious activity and expression. The religious imagination stresses the sacramental nature of the world; imagination interacts with diverse religious narratives and worldviews. Religious imagination sees reflections of the sacred in all of creation: the objects, events, and persons of everyday life hint at the nature of God and, in some way, make God present to us. (Formerly RLSTU-104: Religion and Culture.) *Grading: Letter Grade*

RLST-206 World Religions *Credits: 3*
Examines humanity's evolving relationship with the supernatural. Studies primitive,

archaic, and historic periods in the development of religion as background to modern religious systems and traditions. Explores several of the world's religions, including their belief statements; sacred writings; moral codes; relationship to other religions. (Formerly RLSTU-206.) *Grading: Letter Grade*

RLST-207 Contemporary Christian Living *Credits: 3* Probes the possibilities of "meeting Jesus again for the first time" by examining his life as compassionate prophet and wisdom teacher from an historical-critical perspective. The course will raise new questions not only about the meaning of Christ but also about our own lives in light of contemporary issues and concerns. (Formerly RLSTU-207.) *Grading: Letter Grade*

RLST-208 What Catholics Believe *Credits: 3* An overview of both the contemporary Catholic milieu and the factors that have contributed to the current state of the Church. Covers the major components of Catholicism: Revelation, Theology of God, Christology, Ecclesiology, Sacramentology, and Morality. Topics are investigated from the position of traditional belief and of modern scholarship. (Formerly RLSTU-208.) *Grading: Letter Grade*

RLST-209 Old Testament Studies *Credits: 3* Explores the Old Testament in the light of modern biblical scholarship. Areas of concentration include creation material; covenant and roots of Israelite worship; the prophets; Wisdom literature; and apocalyptic literature. (Formerly RLSTU-209.) *Grading: Letter Grade*

RLST-210 New Testament Studies *Credits: 3* Examines the New Testament in light of modern biblical scholarship. Attention is given to the literary forms of the gospels and letters; Jesus' public ministry and message; the role of Paul; and the apocalyptic mindset. (Formerly RLSTU-210.) *Grading: Letter Grade*

RLST-211 Women in the Bible *Credits: 3* Focuses on the biblical narratives in which women play a pivotal role. Using skills of modern biblical scholarship, retrieves

stories of individual women and examines their roles in the texts. Considers the ancient cultures that form the backdrop to biblical

texts. (Formerly RLSTU-211.) *Grading: Letter Grade*

RLST-216 Fundamental Moral Theology *Credits: 3* Examines the moral decision-making process in light of biblical and Christian principles. Areas of study include the human act; conscience; moral development; and various ethical systems. Uses selected contemporary issues for discussion. (Formerly RLSTU-216.) *Grading: Letter Grade*

RLST-217 Contemporary Moral Issues *Credits: 3* In-depth examination of current moral issues, such as homosexuality, nuclear war, hunger, poverty, sexism, and racism.. Attention is given to media presentation of these issues with a goal to critical evaluation

of underlying principles. (Formerly RLSTU-217.) *Grading: Letter Grade*

RLST-218 Biomedical Moral Issues *Credits: 3* Examines questions related to human life and death, including artificial insemination, genetic manipulation, surrogacy, abortion, euthanasia, and removal of life support systems. (Formerly RLSTU-218.) *Grading: Letter Grade*

RLST-222 Marriage and Family *Credits: 3* Examines the nature and evolution of the marriage covenant through scripture and history. Explores issues such as human development, interpersonal relationships, communication, and lifestyle choices. Discusses contemporary challenges to marriage, such as career choices, finances, child care, and gender roles. Open to students with Junior or Senior standing only. (Formerly RLSTU-222.) *Grading: Letter Grade*

RLST-226 The Meaning of Death and Dying *Credits: 3* Examines approaches to caring for the sick and dying. Explores the physical, psychological, sociological and theological aspects of the dying process. Discusses the role of religious ideals and values in enabling people to deal with dying and death. Considers rituals of death and the grieving process. (Formerly RLSTU-226.) *Grading: Letter Grade*

RLST-231 Liturgy and the Eucharist *Credits: 3* This course examines the evolution of Christian liturgy from its roots in Jewish worship through the reforms of Vatican II. Areas explored include the theology of the Eucharist, church architecture, and contemporary liturgical forms and symbols. (Formerly RELST-231.) *Grading: Letter Grade*

RLST-234 Sacraments and Spirituality *Credits: 3* Explores the relationship between the sacramental/liturgical life of the Church and Christian spirituality. Attention is given to the reciprocal relationship between intimacy with God (prayer) and intimate life events (sacraments), as sacred moments when we encounter God with particular intimacy: birth, adolescence, conversion and reconciliation, friendship and marriage, common and ministerial priesthood, sickness and death, and Eucharistic-centered living. (Formerly RLSTU-234.) *Grading: Letter Grade*

RLST-235 Spirituality: A Life Journey *Credits: 3* Through critical reflection, the student is drawn into an examination of faith as an anchor and guide in discovering life's meaning and value. The course examines central themes of spirituality, such as images of God; church; the self-in-representation; it underscores the need for stories and symbols; for solitude and community; for contemplation and action in the context of the faith maturation process. (Formerly RLSTU-235.) *Grading: Letter Grade*

RLST-240 Introduction to Social Justice *Credits: 3* Seminar type course that explores issues of social justice in light of principles of biblical ethics and Christian social teaching. Extensive discussion of topics such as the feminization of poverty; the impact of defense spending on social programs; and the

relationship between First and Second World consumerism and the Third and Fourth World destitution. Required readings include pertinent Church statements and current newspaper and magazine articles. (Formerly RLSTU-240.) *Grading: Letter Grade*

RLST-241 Models/Mentors in Christian Trad *Credits: 3* A timely exploration of the lives and writings of great women and men throughout the centuries who have helped shape the Christian story. Considers feminist and other critical historical methods for retrieving and actualizing their message for today. (Formerly RLSTU 241.) *Grading: Letter Grade*

RLST-242 Women in Society and Religion *Credits: 3* Examines the changing roles of women in society and in various religious traditions. The biblical foundations for an understanding of the basic dignity of women are explored. (Formerly RLSTU-242.) *Grading: Letter Grade*

RLST-244 Global Theology/The Cry for Justice *Credits: 3* Explores core aspects of the Christian theological tradition in light of emerging global concerns. By means of case studies, the voices of marginalized peoples of the world are highlighted for the ethical challenges in their urgent cries for justice, peacemaking, and reconciliation. Provides opportunities to reflect on the radical nature of the call to Christian discipleship. (Formerly RLSTU 244) *Grading: Letter Grade*

RLST-245 Catholic Social Tradition *Credits: 3* Introduce students to the wealth of Catholic Social Teaching, and will help them to see connections of the principles of CST and the broader Catholic social tradition to today's global situations. (New course Fall 2011.) *Grading: Letter Grade*

RLST-250 Heart of the City/Religious Studies *Credits: 3* Examines the human person and the human condition from the academic disciplines of religion and sociology. Provides opportunities for first-hand experiences to enable the student to reflect more deeply on the human struggle for meaning, existence, and even survival. Through volunteer service, the student is given a unique vantage point for observing and sharing in the journey of life through the eyes, ears, and hearts of those who find themselves on the fringe of life in the heart of the city. Co-Requisite: SOCI-250. (Formerly RLSTU-250.) *Grading: Letter Grade*

RLST-401 Internship/Religious Studies *Credits: 3* Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. Pre-Requisite: Permission of the Chair of the Religious Studies Department. (Formerly RLSTU-401.) *Grading: Pass/Fail Only*

RLST-481 Adv Sp Topics in Religious Studies *Credits: 3* Provides in-depth study of selected topics in Religions Studies. Topics vary from year to year. Repeatable for credit. (Formerly RLSTU-481.) *Grading: Letter Grade*

RUSS-101 Elementary Russian I *Credits: 3* Provides an introduction to the Russian

language, alphabet, and sound system based on the five National Standards for language learning and incorporates the ACTFL proficiency guidelines. It is addressed to students with little or no previous experience in the language. It includes work in listening, speaking, reading and writing, with emphasis on the cultural heritage of the Russian people. (Formerly RUSSU-101.) *Grading: Letter Grade*

RUSS-102 Elementary Russian II *Credits: 3*
This course continues the basics of the Russian language for students with at least one semester of preparation or the equivalent. It focuses on the four skills of reading, writing, speaking, and understanding and the five National Standards for language learning. It also incorporates the ACTFL proficiency guidelines and includes audio-visual materials and internet resources. (Formerly RUSSU-102.) *Grading: Letter Grade*

RUSS-103 Intermediate Russian I *Credits: 3*
Addressed to students with some knowledge of Russian. It includes the development of reading, writing, listening, and speaking skills according to the National Standards for language learning, through the use of audio-visuals, short selections of authentic texts, and oral and written projects. (Formerly RUSSU-103.) *Grading: Letter Grade*

RUSS-104 Intermediate Russian II *Credits: 3*
This course completes the basic structures of the Russian language with a focus on the cultural heritage of the Russian people. It prepares the student to enter more advanced courses, and aims for proficiency at the intermediate low level. It incorporates the National Standards for language learning, the ACTFL proficiency guidelines, and includes audio-visual materials and internet resources. It aims to bring the student to the intermediate low or mid level of proficiency according to the ACTFL Proficiency Guidelines. (Formerly RUSSU-104.) *Grading: Letter Grade*

RUSS-281 Special Topics in Russian *Credits: 3*
Topic to be announced. (New course Fall 2010.) *Grading: Letter Grade*

RUSS-481 Advanced Special Topics in Russian *Credits: 3*
Topics vary by semester. Repeatable for credit. (Formerly RUSSU-481.) *Grading: Letter Grade*

SOCI-101 Introduction to Sociology *Credits: 3*
WOK: B An invitation to the study of sociology. An analysis of the nature of human society and groups, cultural factors and social institutions. Areas covered include: stratification, socialization, family, gender, deviance, work and social change. *WOK: Behavioral.* (Formerly SOCU-101.) *Grading: Letter Grade*

SOCI-102 Sociology Through Film *Credits: 3*
WOK: B Examines key sociological concepts through viewing current and classic films and relating classic and contemporary readings in sociology. *WOK: Behavioral.* Pre-Requisite: SOCI-101. (Formerly SOCU-102.) *Grading: Letter Grade*

SOCI-103 Social Problems *Credits: 3* *WOK: B*
Examines and explores the various social

problems in American society and how they affect and are affected by societal attitudes. Theoretical perspectives will be applied to such problems as poverty, substance abuse, violence, sexism, racism, ageism, environmental problems and terrorism. Service learning may be incorporated. *WOK: Behavioral.* (Formerly SOCU-103.) *Grading: Letter Grade*

SOCI-104 Major Global Problems *Credits: 3*
WOK: B A study of several selected problems facing the world community today including the inequality of individuals, groups and nations, world hunger, population growth, environmental issues and war and peace. *WOK: Behavioral.* (Formerly SOCU-104.) *Grading: Letter Grade*

SOCI-114 Social Gerontology *Credits: 3* *WOK: B*
An introduction to the physical, cognitive and psychosocial aspects of aging. Students will be introduced to aging issues by examining the demographics characteristics of this group. The course will focus on how these characteristics impact attitudes about older persons and aging, the provision of services to older adults as well as the development of aging policy issues. *WOK: Behavioral.* Pre-Requisite: SOCI-101. (Formerly SOCU-102.) *Grading: Letter Grade*

SOCI-125 The Family *Credits: 3* *WOK: B*
A cross-cultural and historical treatment of the institution of marriage and the family including a sociological analysis of the modern family, patterns of dating and courtship, and the changing definitions concerning the contemporary family. *WOK: Behavioral.* (Formerly SOCU-125.) *Grading: Letter Grade*

SOCI-126 Gender and Society *Credits: 3* *WOK: B*
The dynamics of sex and gender in society. The social sources of human sexual identity, gender formation, sex-role stereotyping and correlated behaviors. A cross-cultural survey of institutional sex roles followed by an examination of sex roles in contemporary society. *WOK: Behavioral.* (Formerly SOCU-126.) *Grading: Letter Grade*

SOCI-127 Ethnicity *Credits: 3* *WOK: B*
Explores the current rise in the interest in ethnic roots within the context of the variety and experiences of America's numerous minority groups. Examines lifestyles, adaptations and problems of identity as well as assimilation, prejudice, discrimination and immigration issues. Includes global issues of ethnicity. *WOK: Behavioral.* (Formerly SOCU-127.) *Grading: Letter Grade*

SOCI-200 World Justice and Care for Children *Credits: 3* *WOK: B*
A global study of human rights for children including an examination of historical and contemporary conditions, international development programs, and current social and moral issues. Cross-listed: CRJU-200. *WOK: Behavioral.* (Formerly CRJU-200.) *Grading: Letter Grade*

SOCI-201 Social Inequality *Credits: 3* *WOK: B*
Open to SOCI, CRJU, and HSVC majors and minors only. An examination of structured social inequality. Among the major forms discussed will be class-based, racial and

ethnic, and gender inequalities. Course emphasizes basic tools available to social scientists for exploring the social world. *WOK: Behavioral.* (Formerly SOCU-201- writing intensive.) *Grading: Letter Grade*

SOCI-210 Gender and the Law *Credits: 3*
WOK: B An historical-sociological treatment of the gender issues in the American legal system. Explores the successful and sometimes failed challenges mounted by advocates in the areas of political and civil rights, domestic and reproductive issues, employment opportunities, criminal justice and education. Cross-listed: CRJU-210. *WOK: Behavioral.* (Formerly SOCU-210.) *Grading: Letter Grade*

SOCI-216 Sociology of Health and Medicine *Credits: 3* *WOK: B*
An analysis of health, illness and the health professions from a sociological and a socio-psychological perspective. Topics include health attitudes and behavior, the socialization of health professionals, the organizations of health care and patient-professional relationships. *WOK: Behavioral.* (Formerly SOCU-216.) *Grading: Letter Grade*

SOCI-226 Deviance and Social Control *Credits: 3* *WOK: B*
A sociological examination of deviant behavior and society's response to it. Focuses on the meanings of deviance within particular social contexts: deviant subcultures, political uses of deviance, moral crusades and social change. Cross-listed with CRJU-226. *WOK: Behavioral.* (Formerly SOCU-226.) *Grading: Letter Grade*

SOCI-255 Culture and Society *Credits: 3*
Focuses on the study of human culture and its variations around the world. There will be the opportunity for students to develop a general sociological understanding and perspective that will be used to evaluate, interpret, and understand cultural change, popular culture, intercultural communications and the integrative patterning of worldview, values, and behavior that has accompanied the process of economic globalization. (New course Spring 2011.) *Grading: Letter Grade*

SOCI-281 Special Topics in Sociology *Credits: 3*
Topics vary by semester. Repeatable for credit. (New course Spring 2011.) *Grading: Letter Grade*

SOCI-300 Sociological Theory *Credits: 3*
Examines major ideas of classical and contemporary sociologists within their social context. Emphasizes the practical application of theoretical concepts, critical thinking about social topics and communicating ideas through writing. *WOK: Writing Intensive.* Pre-Requisite: ILAR-101 or IDHP-200. (Formerly SOCU-300.) *Grading: Letter Grade/Writing Intensive*

SOCI-302 Social Science Research Methods *Credits: 3*
Focuses on the methods of scientific inquiry. Students are expected to build a capacity to: (1) interpret research and apply research findings to practical situations in their field of study, (2) critically review other research, (3) formulate and design an original scholarly research proposal, (4)

analyze and interpret data from research studies and (5) understand the role of professional ethics in social research. Open only to Sociology, Human Services, and Criminal Justice majors. Pre-Requisite: ILAR-101 or IDHP-200. WOK: Writing Intensive. (Formerly SOCU-301.) *Grading: Letter Grade//Writing Intensive*

SOCI-401 Internship in Sociology Credits: 3
Internship placement in a work environment related to the student's career interests. Repeatable for credit. Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. (Formerly SOCU-401.) *Grading: Pass/Fail Only*

SOCI-481 Adv Special Topics in Sociology Credits: 3
An in-depth investigation of a topic chosen by the instructor. (Formerly SOCU-481.) *Grading: Letter Grade*

SOCI-490 Independent Study in Sociology Credits: 3
Repeatable for credit. Pre-Requisite: Permission of the Instructor required. *Grading: Letter Grade*

SOCI-498 Senior Seminar in Sociology Credits: 3
Each student will engage in independent research, and write a scholarly paper, and give a professional presentation on an approved topic. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisites: SOCI-201 and SOCI-302. (Formerly SOCU-498.) *Grading: Letter Grade*

SPAI-102 Intensive Elementary Spanish Credits: 4
For students with some knowledge of basic Spanish. Intensive review of essential grammar and vocabulary from Spanish 101 and then an intensive study of the material from Spanish 102. Attention given to the essentials of pronunciation and grammar, leading to novice-level proficiency in reading, writing, speaking and understanding. Focuses on the five National Standards for language learning and incorporates the ACTFL proficiency guidelines. Includes audio-visual materials, computer and Internet resources. (Formerly SPANU-102X.) *Grading: Letter Grade*

SPAN-101 Elementary Spanish I Credits: 3
Introduction to the Spanish language for students with little or no previous experience. Essentials of pronunciation and grammar. Focuses on the five National Standards for language learning and incorporates the ACTFL proficiency guidelines. Includes audio-visual materials, computer and Internet resources. (Formerly SPANU-101.) *Grading: Letter Grade*

SPAN-102 Elementary Spanish II Credits: 3
This course continues the basics of the Spanish language for students with at least one semester of preparation or the equivalent. It focuses on the four skills of reading, writing, speaking, and understanding and the five National Standards for language learning leading to novice-level proficiency in reading, writing, speaking and understanding. It also incorporates the ACTFL proficiency guidelines and includes audio-visual materials

and internet resources. (Formerly SPANU-102.) *Grading: Letter Grade*

SPAN-103 Intermediate Spanish I Credits: 3
For students with a basic knowledge of Spanish. Grammar review, pronunciation and introduction to Hispanic authors, with development of reading, writing, speaking and listening skills. Focuses on the five National Standards for language learning. Includes audio-visual materials, computer and Internet resources. (Formerly SPANU-103.) *Grading: Letter Grade*

SPAN-104 Intermediate Spanish II Credits: 3
This course completes the basic structures of the Spanish language and includes an introduction to Hispanic authors. It prepares the student to enter more advanced courses, and aims for proficiency at the intermediate mid level. It incorporates the National Standards for language learning, the ACTFL proficiency guidelines, and includes audio-visual materials and internet resources. (Formerly SPANU-104.) *Grading: Letter Grade*

SPAN-107 Spanish for Educators I Credits: 3
This course aims to prepare future elementary and secondary educators to communicate with Hispanic students and their parents in an academic setting. It continues the basics of the Spanish language for students with at least one semester of preparation or the equivalent. It includes specialized vocabulary for teachers, real life use of the language in a variety of educational settings, and understanding of Hispanic culture through readings and service-learning. Pre-Requisite: SPAN-101, or permission of the Instructor. *Grading: Letter Grade*

SPAN-108 Spanish for Educators II Credits: 3
This course aims to prepare future elementary and secondary educators to communicate with Hispanic students and their parents in an academic setting. It continues the basics of the Spanish language for students with at least two semesters of preparation or the equivalent. It includes specialized vocabulary for teachers, real life use of the language in a variety of educational settings, and understanding of Hispanic culture through readings and service-learning. Completion of this course fulfills the Foreign Language requirement. Pre-Requisite: SPAN-102, SPAN-107, or permission of the Instructor. *Grading: Letter Grade*

SPAN-220 Spanish for Heritage Speakers Credits: 3
Intended for students whose first or family language is Spanish and wish to standardize their language proficiency before pursuing further study in Spanish language or literature. Grammar review, composition, vocabulary building, spelling and phonetics, with emphasis on the native linguistic and cultural background as well as the special challenges of heritage speakers. (Formerly SPANU-105.) *Grading: Letter Grade*

SPAN-221 Advanced Grammar/Composition Credits: 3
Special attention to the structure of present day Spanish. Intensive review of grammar principles, vocabulary, and usage to increase the student's command of written and spoken Spanish. Also includes practical

exercises in elementary translation and the comparative study of English and Spanish, highlighting cultural and linguistic differences, especially in contemporary written and spoken Spanish. WOK: Writing intensive. Pre-Requisite: ILAR-101 or IDHP-200. (Formerly SPANU-221.) *Grading: Letter Grade//Writing Intensive*

SPAN-222 Advanced Conversation Credits: 3
This course is designed to develop fluency in written and spoken Spanish. The main cultural themes presented through film will provide topics for research, writing and discussion. While this course focuses on the productive skills of speaking and writing, it includes also listening and reading. In addition to the films, students will be exposed to music, readings, and native speakers, which together with the main text, will be used for discussion and understanding of Hispanic cultures. (Formerly SPANU-222.) *Grading: Letter Grade*

SPAN-228 Commercial Spanish Credits: 3
Designed to develop fluent communication, both oral and written, in contemporary business transactions. Special attention given to understanding the cultural context within which business is conducted in both Spain and Latin America via newspaper articles, audio and video materials and the Internet. Group projects, class discussions, oral and written work in Spanish. (Formerly SPANU-228.) *Grading: Letter Grade*

SPAN-231 Intro to Hispanic Culture I/Spain Credits: 3
Examines all facets of Spanish Culture from the early migration of peoples to the Iberian Peninsula to the Conquest of the Americas to present day social, political and economic developments. Special emphasis given to the diversity of cultures, traditions, and languages contributing to the richness of life in various regions of Spain. Includes documentaries / films, discussion, exams, oral and written reports. (Formerly SPANU-231.) *Grading: Letter Grade*

SPAN-232 Intro to Hispanic Culture II/Lat Am Credits: 3
Examines all facets of Latin American culture from Pre-Columbian civilizations to the Spanish Conquest to present day social, political and economic developments. Special emphasis given to the diversity of cultures, traditions and languages contributing to the richness of life in various regions of Latin America. Includes documentaries / films, discussion, exams, oral and written reports in Spanish. (Formerly SPANU-232.) *Grading: Letter Grade*

SPAN-261 Masterpieces of Hispanic Lit I Credits: 3
An introductory literature course intended to familiarize the student with the literature of Spain and to develop skills in literary analysis. Works from the Middle Ages to present are studied. Class discussion, readings, oral and written work in Spanish. WOK: Literary and Writing Intensive. Pre-Requisite: ILAR-101 or IDHP-200. (Formerly SPANU-261.) *Grading: Letter Grade//Writing Intensive*

SPAN-262 Masterpieces of Hispanic Lit II Credits: 3
An introductory literature course intended to familiarize the student with the

literature of Latin America and to develop skills in literary analysis. Works written before 1492 through the present are studied. Class discussion, readings, oral and written work in Spanish. WOK: Literary and Writing Intensive. Pre-Requisite: ILAR-101 or IDHP-200 . (Formerly SPANU-262.) *Grading: Letter Grade/Writing Intensive*

SPAN-263 Masterpieces/Hispanic Lit III
Credits: 3 WOK: L Focuses on an in-depth study of one theme (announced at course offering) at the introductory level. This course complements SPAN 261 and 262. The course may study representative works from the Middle Ages to the present, major developments in Hispanic literature—such as Spanish American Modernismo—the concept of genre, and the analysis appropriate to genre. It includes class discussion, readings, oral and written work in Spanish. WOK: Literary. (Formerly SPANU-263.) *Grading: Letter Grade*

SPAN-281 Special Topics in Spanish *Credits: 3*
A study of a particular period on topic in Hispanic Literature open to all qualified students. May be repeated for credit. (New course Fall 2010.) *Grading: Letter Grade*

SPAN-340 Colonial Latin American Literature
Credits: 3 WOK: L A study of major writers, including poets, essayists, dramatists and correspondents, from the colonial period in Latin America. Special attention paid to some pre-encounter indigenous works as well as to the impact of colonization on the literature produced during the period. Authors may include, Netzacohuatl, Columbus, Cortés, De las Casas, Ercilla, El Inca Garcilaso de la Vega, Sor Juana Inés de la Cruz, Sigüenza y Góngora, Fernández de Lizardi and Bello. Readings, reports and papers in Spanish. WOK: Literary. (Formerly SPANU-340.) *Grading: Letter Grade*

SPAN-341 The Spanish Golden Age *Credits: 3*
WOK: L A study of major writers, including poets, essayists, dramatists and correspondents, from the colonial period in Latin America. Special attention paid to some pre-encounter indigenous works as well as to the impact of colonization on the literature produced during the period. Authors may include, Netzacohuatl, Columbus, Cortés, De las Casas, Ercilla, El Inca Garcilaso de la Vega, Sor Juana Inés de la Cruz, Sigüenza y Góngora, Fernández de Lizardi and Bello. Readings, reports and papers in Spanish. WOK: Literary. (Formerly SPANU-340.) *Grading: Letter Grade*

SPAN-353 19th Century Spanish Literature
Credits: 3 WOK: L A study of major writers, including poets, essayists, novelists, short-story writers and dramatists of 19th century Spain. Special emphasis on Romanticism, Costumbrismo and Naturalism and their relationship to social, political and economic developments in Spain. Authors may include: Larra, Espronceda, Bécquer, Castro, Zorrilla, Pérez Galdós, Pardo Bazán, Clarín and Casona. Readings, reports and papers in Spanish. WOK: Literary. (Formerly SPANU-353.) *Grading: Letter Grade*

SPAN-354 Contemporary Spanish Literature
Credits: 3 Reading and discussion of topics

and historical approaches to literature and culture, from the 20th century's vanguard movements to the present. Special emphasis on the generation of 1927 and the impact of the Spanish Civil War on writers of post-war generations. Authors may include Unamuno, Pío Baroja, Azorín, Valle-Inclán, Machado, J.R. Jiménez, Pérez Galdós, García Lorca, Guillén, Aleixandre, Ortega y Gasset, Cela, Delibes, Buero Vallejo, Sender, Sastre, Arrabal, Chacel, Matute, and Montero. Readings, reports and papers in Spanish. WOK: Literary. (Formerly SPANU-354.) *Grading: Letter Grade*

SPAN-355 Contemporary Latin American Lit
Credits: 3 WOK: L Reading and discussion of topics and historical approaches to literature and culture, from the 20th century's vanguard movements to the present. Authors may include, Huidobro, Quiroga, Mistral, Vallejo, Neruda, Paz, Borges, Cortázar, García Márquez, Carballido, Valenzuela, Allende and Restrepo. Readings, reports and papers in Spanish. WOK: Literary. (Formerly SPANU-355.) *Grading: Letter Grade*

SPAN-361 Literary Works/Movies They Inspired *Credits: 3 WOK: L* Examines several novels and short stories and the movies based on them. Considers how choices of medium and of narrative technique effect both the manner in which a story is told and the way in which it is received. Authors and texts considered may include among other possibilities, Miguel Delibes' Los santos inocentes, Benito Pérez Galdós' El abuelo, Juan Ramón Jiménez' Platero y yo, Juan Marse's Últimas tardes con Teresa, Adelaida García Morales' El sur, and stories such as Julio Cortázar's "Cartas de mamá", Jorge Luis Borges' "Emma Zunz." Readings, movies, discussions and written work in Spanish. WOK: Literary. (Formerly SPANU-361.) *Grading: Letter Grade*

SPAN-362 Hispanic Women Writers *Credits: 3*
WOK: L An intensive study of women writers in Hispanic literature arranged for students' interests. Authors may include, among other possibilities, Santa Teresa de Jesús, Sor Juana Inés de la Cruz, Emilia Pardo Bazán, Ana María Matute, Rosario Ferré, Isabel Allende and Carmen Martín Gaité. Readings, reports, and papers in Spanish. WOK: Literary. (Formerly SPANU-362.) *Grading: Letter Grade*

SPAN-401 Internship in Spanish *Credits: 3*
Internship experience in Spanish. Graded Pass/Fail only. Repeatable for credit. Includes Career Connections requirement for graduation. Co-Requisite: FYIN-101. Pre-Requisite: Permission of the Chairperson of the Foreign Language Department. (Formerly SPANU-401.) *Grading: Pass/Fail Only*

SPAN-481 Advanced Special Topics in Spanish
Credits: 3 An intensive study of a particular period on topic in Hispanic Literature open to all qualified students. May be repeated for credit. (Formerly SPANU-481.) *Grading: Letter Grade*

SPAN-498 Senior Seminar in Spanish *Credits: 3*
Designed to correlate the main literary trends in Hispanic literature. Students will also give a poster or an oral presentation on

their research topic. Pre-requisites: ENGL-101, ENGL-105, or IDHP-200 plus a Writing Intensive course. The Senior Seminar is usually taken in either the Fall or Spring of the student's Senior year. Students register for this course upon approval of the academic advisor. Pre-Requisite: A Writing Intensive course; or IDHP-200. (Formerly SPANU-498.) *Grading: Letter Grade*

SPP8-312 Reading Interventions/Diverse Learn *Credits: 3* Examines the process of identifying reading deficits and selecting interventions to address those deficits. Research-based reading practices for all readers, but especially for struggling readers will be presented. Students will demonstrate mastery of the process of assessment, familiarity with various available instructional approaches for struggling readers and strategies for selecting and adapting instructional approaches in a case-study approach. (New course Spring 2011.) *Grading: Letter Grade*

SPP8-340 Introduction to Special Education
Credits: 3 Focuses on the foundation of special education and is designed to provide a comprehensive review of what has been called "Special Education". As future teachers, students will come to understand the history of special education, including how children and adolescents are assessed, labeled, and provided services under the existing and past federal and state laws; what constitutes general patterns of learning and behavior of children needing special services; intervention strategies, both within the regular education setting and separate from the regular classroom; how past and present laws and litigation influences services for children needing special education; how community, state and federal programs interact to support schools and families of children needing special services; how cognitive, physical, social, and behavioral skill development shapes children and delineate how individuals acquire and process information. (New course Spring 2011.) *Grading: Letter Grade*

SPP8-345 Assessment and Adaptations
Credits: 3 Introduces to pre-service teachers the research, skills and strategies necessary to enhance the learning of students with disabilities in inclusive classrooms. Pre-service teachers are introduced to a developmental, sequenced approach and research-based methodologies of curricular accommodations and modifications. They develop a broad view of interventions and innovative practices related to curricular methods, materials and media in a variety of learning environments. This course incorporates collaboration, ethical practices, Pennsylvania Standards, Council for Exceptional Children Standards, learning strategies, and individualized education as they apply to the academic, physical, emotional, cognitive and behavioral needs of learners with diverse needs and abilities in inclusive settings. (New course Spring 2011.) *Grading: Letter Grade*

SPP8-355 Instruction/Inclusive Environments
Credits: 3 Practicum designed for undergraduate students to have some

responsibility for the instructional, behavioral and other appropriate needs of school-aged students with both high and low incidence disabilities. This experience provides an opportunity to apply knowledge, which was developed throughout all the coursework in special education as well as during the practicum seminar. Includes 75 hours of fieldwork. (New course Spring 2011.) *Grading: Letter Grade*

VAR-100 Varsity Sports/Women's Soccer
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU-129.) *Grading: Non-Academic Pass/Fail*

VAR-101 Varsity Sports/Men's Soccer
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU- 130.) *Grading: Non-Academic Pass/Fail*

VAR-102 Varsity Sports/Women's Tennis
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU- 134.) *Grading: Non-Academic Pass/Fail*

VAR-103 Varsity Sports/Men's Tennis
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU-154.) *Grading: Non-Academic Pass/Fail*

VAR-104 Varsity Sports/Women's Cross Country
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU- 136.) *Grading: Non-Academic Pass/Fail*

VAR-105 Varsity Sports/Men's Cross Country
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU-137.) *Grading: Non-Academic Pass/Fail*

VAR-106 Varsity Sports/Women's Volleyball
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for

graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU-132.) *Grading: Non-Academic Pass/Fail*

VAR-107 Varsity Sports/Women's Basketball
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU- 138.) *Grading: Non-Academic Pass/Fail*

VAR-108 Varsity Sports/Men's Basketball
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU-141.) *Grading: Non-Academic Pass/Fail*

VAR-109 Varsity Sports/Women's Lacrosse
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU-150.) *Grading: Non-Academic Pass/Fail*

VAR-110 Varsity Sports/Men's Lacrosse
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU-151.) *Grading: Non-Academic Pass/Fail*

VAR-111 Varsity Sports/Women's Softball
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU-148.) *Grading: Non-Academic Pass/Fail*

VAR-112 Varsity Sports/Men's Baseball
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU-146.) *Grading: Non-Academic Pass/Fail*

VAR-113 Varsity Sports/Golf
Credits: 1 Participation on the indicated Sports Team. Student must complete entire season to receive PE credit. Credits do not count towards the total required for graduation. Course is repeatable. Graded Pass/Fail only. Satisfies one credit of the PE requirement. (Formerly PEU-152.) *Grading: Non-Academic Pass/Fail*

Final Exam Matrix

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 AM 10:30 AM	M1 - courses meeting for the first/ONLY time on Monday between 8:00-9:15; courses meeting for the first/ONLY time on Wednesday between 8:00-9:15	T1 - courses meeting for the first/ONLY time on Tuesday between 8:00-9:15	W1 - courses meeting for the first/ONLY time on Monday between 9:30-10:45	R1 - courses meeting for the first first/ONLY time on Tuesday between 9:30-10:45; or Thursday ONLY between 8:00-10:45	F1 - courses meeting for the ONLY time on Friday between 8:00-10:45; or Thursdays ONLY between 11:00-12:15
10:45 AM 1:15 PM	M2 - courses meeting for the first time on Monday between 11:00-12:15 or Wednesday between 11:00-12:15	T2 - courses meeting for the first time on Tuesday between 11:00-12:15	W2 - courses meeting for the first time on Monday between 12:30-1:45; or Wednesday ONLY between 12:30-1:45	R2 - courses meeting for the first time on Tuesday or Thursday ONLY between 12:30-1:45	F2 - courses with conflicts or special circumstances
1:30 PM 4:00 PM	M3 - courses with conflicts or special circumstances	T3 - courses meeting for the first/ONLY time on Tuesday between 1:45-3:45	W3 - courses with conflicts or special circumstances; courses meeting for the first/ONLY time Wednesday between 9:30-12:20	R3 - courses meeting ONLY on Thursday between 2:00-2:30	F3 - courses meeting for the ONLY time on Friday between 12:30-2:30
4:15 PM 6:45 PM	M4 -courses meeting for the first/ONLY time on Monday between 4:00-5:15	T4 -courses meeting ONLY Tuesdays between 12:30-2:30	W4 -courses meeting for the first/ONLY time on Wednesday between 4:00-5:15	R4 -courses meeting for the first/ONLY time on Tuesday; or Thursday ONLY between 4:00-5:15	F4 -courses with conflicts or special circumstances

Classes beginning after 5:15: exams begin at the regular time on the first scheduled class day and extend.

**Exams are to be held in regularly scheduled classrooms.

Index

- Academic Progress, 16
- Add, 5, 6
- Admission, 8, 77
- Advanced Placement, 8, 9, 39, 40, 54, 59, 67, 89, 100, 107, 112, 117, 125, 131, 137, 168, 169
- Application, 8, 9, 10, 15, 32, 41, 69, 73, 74, 135, 177, 206
- Athletic, 23, 48, 49, 154, 157
- Attendance, 48
- Certificate, 16, 32, 33, 34, 106, 141, 142, 151, 158, 163, 165, 166, 193
- Conferral, 5, 6, 42
- Convocation, 5, 43, 54, 59, 63, 68, 77, 90, 100, 107, 112, 117, 125, 131, 137, 145
- Cooperative, 45
- Core, 2, 3, 27, 28, 30, 39, 79, 92, 95, 100, 141, 154, 159, 186
- Drop, 5, 6
- Dual-Degree, 34
- FAFSA, 15
- Final Exam, 49, 213
- Financial Aid, 14, 15, 16, 156, 157
- Grade Reports, 37, 159, 160
- Grades, 5, 6, 10, 32, 34, 35, 37, 76, 78, 80, 82, 83, 85, 86, 87, 88, 90, 100, 107, 117, 126, 132, 134, 159, 166, 181, 185
- Hold, 13, 14, 42
- Holiday, 5, 6
- IDHP, 33, 153, 158, 161, 162, 172, 174, 176, 177, 179, 180, 181, 182, 184, 186, 187, 188, 189, 190, 191, 192, 193, 194, 196, 197, 201, 204, 205, 207, 209, 210, 211
- Incomplete, 35, 36
- Internship, 53, 61, 63, 64, 67, 69, 70, 71, 72, 73, 92, 94, 95, 96, 97, 98, 99, 103, 104, 106, 118, 119, 121, 123, 129, 130, 135, 148, 149, 150, 168, 170, 171, 173, 174, 175, 176, 177, 178, 180, 182, 183, 189, 192, 193, 197, 201, 206, 207, 208, 210, 211
- Mid-term, 37
- Non-Academic, 11, 30, 31, 189, 193, 195, 202, 203, 204, 212
- Proficiencies, 29, 31, 100
- Proficiency**, 10, 22, 29, 31, 65, 68, 100, 101, 102, 105, 131, 132, 153, 159, 169, 174, 177, 181, 188, 195, 197, 206, 209
- Refund, 12, 16, 17
- Registration, 5, 6, 12, 40, 41, 89, 159
- Residence, 5, 6, 12, 156
- safety, 8, 18, 79, 173, 183
- Student Status, 39
- Study Abroad, 45, 64, 102
- Testing, 89
- Withdrawal, 5, 6, 12, 35, 36

