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Visitors: York College welcomes visitors. Office hours during the academic year (September through Spring Commencement) are 8:30 a.m.–5 p.m. weekdays. During the summer most offices close at 11:30 a.m. on Friday. The reception desk is open from 9 a.m.–1 p.m. Saturdays. Please request appointments with the Director of Admissions well in advance.

Rules: Students are governed by the rules, regulations, and provisions included in this publication. The College reserves the right to withdraw or modify any course.

The General Catalog of York College presents essential information on institutional purposes, programs, faculty, extracurricular activities, facilities, and costs. It is designed to assist prospective students in deciding whether York is the right place for them to pursue their educational goals and to provide a ready reference for enrolled students.

Although this catalog was prepared on the basis of the best information available at the time of publication, the College reserves the right to change any provisions, regulations or requirements set forth within, without notice or obligation.

York College of Pennsylvania does not discriminate because of race, color, religious creed, ancestry, national origin, gender, disabilities or age in employment procedures or in recruitment and acceptance of students.
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York College of Pennsylvania is a community of learners and learning, whose members share the common bond of active participation in academic and campus life. At York, we believe the collegiate experience at its best is a comprehensive process of holistic personal development, which prepares graduates for productive roles in society, while facilitating their growth as individuals and lifelong learners. The hallmark of the York experience is excellence in professional preparation.

York is a venerable educational institution, tracing its heritage back to the early years of the American republic. Throughout its long history, York’s commitment has been to provide high-quality, affordable educational programs that prepare leaders for meaningful professional roles in business, government, healthcare, industry, science, social service, and the arts.

York College has achieved recognition in the Middle Atlantic region and at the national level for excellence in its academic programs and for its commitment to affordability. As a relatively large college (more than 4,600 full-time students), York represents a “golden mean” in higher education, combining the broad academic resources and extra-curricular opportunities of a fine university with the community spirit and personal attention of a small college.

I hope your experience at York College is a fulfilling one. We of the faculty and staff are ready to help you attain your academic goals and plan for a successful future.

George W. Waldner, President
Introduction

INSTITUTIONAL OVERVIEW, HERITAGE, MISSION, AND GOALS

OVERVIEW

York College of Pennsylvania is a private-sector, independent institution of higher education, which focuses on offering baccalaureate degree programs in the arts and sciences, as well as professional programs. Students may also enroll in programs leading to the associate degree and the master’s degree in selected professional fields.

The College draws its 4,600 full-time undergraduate and 800 part-time and graduate students from some 30 states and 15 foreign countries. Typically, 45% of York’s freshmen hail from Pennsylvania, 20% from Maryland, 15% from each of the states of New Jersey and New York, and strong contingents from Virginia, Delaware, Connecticut, and other states.

The College occupies a 190-acre, park-like, suburban campus, in the rolling hills of the south central part of the state. York is an economically vibrant area, with a solid industrial base as well as productive service and agricultural centers. Close to the heart of “Pennsylvania Dutch” country and the spectacular Susquehanna River recreation area, York is one hour from Baltimore, two hours from Philadelphia or Washington, D.C., and four hours from New York City, Pittsburgh, or Richmond. Nearly half of its undergraduate students reside in college housing; others commute from their homes or live in rental housing in the vicinity of the campus.

York College envisions itself as a center of affordable academic excellence, and has consistently received favorable regional and national recognition for its success in offering a program of high quality at a tuition rate substantially lower than institutions of similar type, scope, and distinction. York’s effective control of tuition costs stems from its dedication to efficiency and from the long-term, generous support of the College by its friends in the York community and its alumni. This support has provided both superior physical facilities and permanent endowment resources sufficient to fund institutional scholarships and financial aid for needy students. York uses this fiscal strength in turn to provide a kind of “scholarship” to each of its students, in the form of relatively modest charges for tuition and campus housing.

York College is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools, and has specialized accreditation for its business, engineering, nursing, allied health, and recreation programs. Certification programs in education have been approved by the Pennsylvania Department of Education.
York College of Pennsylvania traces its institutional lineage to the York County Academy, which received its charter from the General Assembly of Pennsylvania on September 20, 1787, for the purpose of offering courses of instruction in “the learned and foreign languages, English, mathematics, and other useful branches of literature.” The Reverends John Andrews and John Campbell of St. John’s Episcopal Church played leading roles in the Academy’s establishment and the early years of its operation. For well over a century the York County Academy functioned as a center of classical studies and the fine arts, educating thousands of persons who became leaders in local and national affairs as well as in the professions of education, medicine, and law.

In 1929, the Academy merged with the York Collegiate Institute, a nondenominational sister institution that had been founded in 1873 by Samuel Small, a prominent businessman and philanthropist. In 1941, the trustees accepted the recommendation of the Institute’s president, Dr. Lester F. Johnson, that the charter be amended to provide for a two-year program at the junior college level. The new institution adopted the name York Junior College and appointed Dr. Johnson as its first president. In the 1950s, the Junior College outgrew its physical facilities in the center of downtown York, and its academic capabilities advanced beyond the boundaries of a two-year program. Through the generosity of the trustees and other community leaders, a 57-acre site for a new campus was acquired and fund raising began to construct an entirely new and larger complex of campus buildings. In October of 1965, the new campus was dedicated, with words of commendation from then-Governor Scranton that the splendid new buildings testified to “private support and self-help at the local level.” The new facilities, along with yet another successful capital campaign, also made feasible the extension of the curriculum to a full bachelor’s degree program in 1968, leading once again to a change in the institution’s name, this time to York College of Pennsylvania.

In the last forty-one years the College has continued its advancement as a center for learning, scholarship, public service, and cultural affairs. Curricular resources have grown notably, providing increasingly diverse and sophisticated educational offerings that compare favorably with those of many universities. Campus acreage and facilities have expanded dramatically. Total enrollment now exceeds 5,000, with students coming from a widening geographic sphere. Yet, the full-time undergraduate enrollment of about 4,600 students, the emphasis on teaching excellence, and the increasingly high proportion of students residing on campus permit the preservation of the personal collegiate atmosphere that has characterized the York educational experience for more than two hundred years.
MISSION OF THE COLLEGE

To make available, at the baccalaureate and associate degree levels, high-quality academic programs, which include general education components appropriate for the program’s degree level and which cover a broad range of majors in professional and career fields as well as the arts and sciences;

To offer carefully selected master’s degree programs, which reflect the enrollment emphases of the undergraduate curriculum and the professional development needs of the region;

To create a teaching and learning environment characterized by individual attention to students, high-quality classroom instruction, thoughtful application of relevant technology, encouragement of lifelong learning, attention to critical thinking skills, and strict adherence to principles of academic honesty;

To provide York College’s educational programs with a superior degree of efficiency, in order to maintain the lowest feasible costs for students;

To attract applications from students from a variety of social, economic, and geographic backgrounds, playing a special role in addressing the higher education aspirations of the people of York County;

To enroll principally students whose academic preparation places them in the broad middle to above-average range of applicants for their intended degree programs, while remaining open to accepting some students who have demonstrated the capacity and motivation to succeed, even though they have not yet fully achieved their academic potential;

To provide educational opportunities for traditional-age, adult, full-time, and part-time students;

To facilitate the holistic development of students who devote full-time to their collegiate experience through their active participation in campus life;

To build and sustain a stimulating campus community that engages student interest and involvement in cultural, spiritual, sports, and recreational programs;

To provide appropriate enrichment activities for part-time and adult learners; and

To place at the service of the community to the extent feasible the College’s human and cultural resources and educational facilities.
GOALS OF THE COLLEGE

Outcomes Assessment

General education curricula, majors, and minors will reflect the Institution’s mission and each will be defined in terms of intended learning outcomes; ongoing monitoring of educational results shall be conducted, with the information obtained used to improve and revise relevant academic programs.

Other functional areas of College operations—library/learning resources, student affairs, business affairs, plant operations, athletics, fundraising, alumni affairs, career services, admissions, and communications—will also be directed to attain outcomes defined in relation to institutional mission and goals, and will be monitored and improved in response to the results attained.

Academic Programs

The College will develop new programs consistent with the College’s mission, regional economic development needs, and student interests, within the limits of available resources. While the principal program emphasis is on campus-based credit courses, the College seeks to be responsive to requests for academic experiences to be held off-campus, as faculty resources are available through the relevant academic departments.

Academic requirements are the same for all matriculated day and evening students, in their respective degree programs. All programs, including those offered off-campus or in conjunction with other institutions, maintain academic integrity consistent with the College’s standards.

Faculty

York College is a student-centered, teaching institution. Accordingly, most of a faculty member’s time should be allocated to class preparation and instruction, the evaluation of student work, and academic advising. The College encourages the scholarly development of faculty members, providing support for research and the preparation of publications. Every faculty member has the responsibility to advocate to students, colleagues, and the public the importance of intellectual curiosity and accomplishment. All full-time faculty members should be doctorally qualified or hold the relevant terminal degree in their fields. Faculty members are also encouraged to engage in activities that serve the needs of the community.

The College employs as adjunct (part-time) faculty members persons who possess the master’s degree or equivalent academic credentials and who demonstrate the teaching skills required for full-time faculty members. The College provides opportunities for adjunct instructors to develop further as teachers and encourages their participation in appropriate departmental activities and the campus community.
Admissions

The College Admissions Office admits an entering class of full-time bachelor’s degree students with a combined average SAT score of approximately 1100, drawn principally from the upper two-fifths of the relevant secondary school graduation classes. The Admissions Office seeks especially students who have demonstrated ongoing participation and leadership in projects and organizations within the school and community. The Admissions Office is, however, sensitive to the adverse effect that cultural and socio-economic disadvantages have had on some applicants. It conducts special outreach programs and application follow-up steps for such applicants and places appropriately greater weight on demonstrated eagerness for self-improvement, school/community activities, and letters of recommendation.

Associate, master’s degree, and adult learner programs admit students who are prepared to benefit from the curricular program in which they seek to enroll.

Campus Life and Diversity

The College strives to foster a campus climate that sets a positive tone for learning and for healthy interaction, formally and informally, among College community members. In all aspects of academic and student life, College personnel strive to create an environment in which all persons interact harmoniously, demonstrating respect for the rights of others and commitment to academic freedom and freedom of conscience.

The College assists students who commit full-time to higher education to develop intellectually, physically, socially, spiritually, culturally, and professionally and, to that end, provides a comprehensive program of extracurricular activities. Part-time learners are provided with appropriate enrichment opportunities.

The academic affairs and student affairs components of the College collaborate to foster student participation in activities that support appreciation of diversity, growth in cultural understanding, improvement of skills for constructive human interaction, and commitment to personal fitness.

Structure and Governance

The Board of Trustees acts on broad policy matters and has final authority to define the College’s mission and educational role. The president serves as chief executive officer and is responsible to the Board for the operation of the College. Line authority passes from the president to the administration and faculty. The College believes in involving trustees, administrators, faculty, staff, and students, both formally and informally, in shared governance processes.

A concerted effort is made to maintain an efficient administrative structure that facilitates responsiveness to the needs of the College and the people it serves. Cooperation among departments and the sharing of resources are emphasized in order to minimize bureaucratic barriers and duplication of effort. All employees are encouraged to work as a team to create a friendly, service-oriented ambiance on campus.
Facilities

The College prides itself on the attractiveness of its physical environment, providing well-maintained, accessible buildings as well as facilities needed for athletics and fitness. The goal is to have facilities that are proportionate to enrollment and adequately support the requirements of educational and co-curricular programs.

Financial Goals

The College is managed to ensure sufficient funds to operate as a comprehensive regional college and adequate quasi-endowment and plant fund reserves to provide financial aid to students and meet capital needs for facilities renewal and expansion. The College observes prudent budgeting, with a sensitivity to students’ and families’ ability to afford private higher education of high quality.

Alumni

The College strives to cultivate strong, mutually beneficial, and lifelong relationships with its alumni. The College sponsors alumni programming and seeks from its alumni guidance, involvement, and financial support.

Community Relations

The College endeavors to foster positive interaction with the surrounding community, while addressing York County’s higher education needs. The College provides physical facilities, educational and training programs, consulting services, as well as cultural and social activities to the community. Volunteer community service by faculty members, students, administrators, and staff is promoted throughout the campus.

The College participates actively in neighborhood improvement organizations and initiatives that are focused on areas contiguous to the campus.
LOCATION

York College of Pennsylvania’s address is in its name—York, Pennsylvania, a city of 40,000 situated in the heart of the Middle Atlantic population corridor. The campus is located on Country Club Road, two miles south of the city center’s Continental Square. The greater York area includes a total of more than 400,000 people.

York’s most exciting moment in history came during the American Revolution, when the British advance on Philadelphia caused the Continental Congress to relocate to York, making the town the capital of the nascent nation. During the winter of 1777–78, Congress convened in the York County Courthouse and adopted, among other important documents, the country’s first constitution, the Articles of Confederation, in which the official name, the United States of America, was used for the first time. Congress also proclaimed the nation’s first Thanksgiving holiday while in York, as a day of gratitude for the American victory at Saratoga.

Today, York is an economically diverse and dynamic area, with some of the country’s most fertile farmland as well as world-class enterprises, including manufacturing and headquarters facilities for several major companies, including Adhesives Research, Voith Hydro, Glatfelter, Johnson Controls, Harley-Davidson, Graham Packaging, and Dentsply International.
The campus is bordered by residential neighborhoods, a small shopping plaza, York Hospital, and a park. The campus complex includes:

**Schmidt Library:** In Schmidt Library, technology meets tradition. Information literacy, print and online collections, research, and instructional media are important daily priorities. Facilities and services include dynamic group study spaces, quiet study areas, laptop loans for use in the Library, comfortable lounge areas, wireless York College network access throughout the building and in the outdoor courtyard, York College archives, and special collections. The Schmidt Library Web provides important access for the College community on and off campus to books, periodicals, reference resources, subject specific research pages in the Library, and scores of other academic and research libraries.

**Melvin H. Campbell Hall:** The facility contains lecture halls, science laboratories, a language laboratory, and general purpose classrooms. In 1999, a major renovation and expansion of chemistry laboratories created Campbell Hall’s Chemistry Wing. In 1995, the other classrooms, offices, and facilities in the building were completely renovated.

**Appell Life-Sciences Building:** Home of the Biological Sciences Department, the Life-Sciences Building contains ten laboratories, general purpose classrooms, faculty offices, and conference rooms.

**Business Administration Center:** Headquarters for the Department of Business Administration, the Center contains the main academic computer, microcomputer laboratories, classrooms, faculty offices, and the Glatfelter Telecommunications Center.

**Information Technology:** Information Technology provides state-of-the-art information systems to faculty, students, and staff. All members of the York College community are assigned a network account that allows them to access file storage, networked programs, email, the World Wide Web and printing. York College of Pennsylvania network services are provided by a variety of servers to desktop/laptop computers via campus-wide fiber optic network connecting all academic, administrative, and residential buildings. Currently, York College provides nine public computer labs with over 650 up-to-date desktop computers running Windows in addition to many academic special-purpose labs throughout the campus. The College has over 59 smart classrooms that use projection systems, multimedia equipment, and the Internet for complementing the learning process. New wireless technologies extend college resources beyond the classrooms and labs. There are numerous hot spots for wireless connectivity all around campus and a growing number in the residence facilities. The Information Technology Help Desk is available to answer technology-related questions and provide assistance to faculty, staff, and students.

**McKay Hall:** Acquired in 1996 and expanded in 1999, this 39,000-square-foot building provides specialized facilities for Nursing and Sport Management. Located one block
west of campus, McKay Hall includes faculty offices, general classroom space, a campus computer lab, and specialized laboratories for upper-division nursing classes.

**Evelyn and Earle Wolf Hall:** Wolf Hall includes the latest technology for art, music, and television. All instructional rooms are wired for television and computer applications. Its 60,000 square feet include music practice rooms; music and art studios for instruction; television control room, studios and edit suites; an advanced applications video, music and art computer facility; a 208-seat recital hall; the York College Art Galleries; and general-purpose classrooms.

**Kinsley Engineering Center:** York’s newest academic building is located on Grantley Road and houses teaching, laboratory, and workshop facilities for all engineering programs and computer science.

**Grumbacher Sport and Fitness Center:** This 165,000-square-foot building includes a large field house as well as the Charles Wolf Gymnasium. It features a state-of-the-art fitness center, climbing wall, exercise rooms, natatorium, wrestling room, and other recreation facilities.

**The Humanities Center:** The Humanities Center is a newly remodeled building in the center of campus. It houses the Department of English and Humanities, the Department of History and Political Science, as well as general-purpose classrooms, computer labs, and a café.

**The Collegiate Performing Arts Center:** Completed in 2008, the theater seats 720 and is well-suited for dramatic productions, concerts, and lectures. A “blackbox” theater is also included for specialty presentations.

**The Learning Resource Center:** The Learning Resource Center is located in the lower level of the Humanities Center and offers tutorial assistance to students in writing and mathematics. In addition, the Center coordinates supplemental instruction in certain disciplines as requested by classroom instructors, and offers a full range of study skills assistance for students. Students seeking assistance should contact the Center to schedule an appointment with a member of the professional tutorial staff. Academic tutoring in other courses is also available, and students may contact the Center for a list of qualified upperclassmen willing to work with students for a fee.

**Bookstore:** The bookstore, located in the Iosue Student Union building, offers an excellent variety of products that support academic work. In addition to being the source for all textbooks, providing both new and used books, the store provides a buy back system each semester to recycle unwanted books. The College logo is prominent throughout the store on clothing, glassware, and academic supplies. The bookstore offers a variety of personal care items and services.

**Robert V. Iosue Student Union:** This facility contains the Johnson Dining Room, which seats 600; Buechel Lounge; Alumni Hall; 1770s Room; the Spart’s Den, which regularly offers live entertainment; lounge areas; a snack bar; college bookstore and convenience mini-mart; MacDougal Lounge; conference rooms; offices for Counseling Services, Career Development Center, Food Services, Student Senate,
Campus Activities Board, Residence Life, WVYC-FM 99.7 Radio Station, Student Activities and Orientation, chaplains, Religious Activities, Multicultural Affairs, and the Health Center.

**Ray A. Miller Administration Building:** Located along Country Club Road, this office building houses the operating support divisions of the College, including the President’s Office, Admissions, Academic Affairs, Student Affairs, Administrative Computer Center, and Business Affairs.

**Brougher Chapel:** This campus interfaith chapel serves as the center of worship for all faiths in the campus community. It is located on the northeastern corner of the campus near the president’s home and Springettsbury Avenue. In addition to the main worship area, it contains space for religious activities, meditation, counseling, and appropriate events. The Catholic and Protestant Chaplain’s offices are located in the Chapel as well.
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STUDENT AFFAIRS

Student life programs and services are driven by the York College mission, and the Student Affairs Division has as its primary goal a commitment to providing a campus environment that is developmental to student learning and student growth. The focus is on generating educational opportunities and wellness both in and outside the classroom and through all aspects of student campus life. These programs and services are directed and coordinated by the Student Affairs Division through the offices of Athletics and Recreation, Career Development Center, Counseling Services, Food Services, Health Services, Judicial Affairs, Multicultural Affairs, Religious Activities, Residence Life, and Student Activities and Orientation. For more detailed information about student life, please refer to the student handbook or visit Student Affairs on the York College homepage.

STUDENT RESPONSIBILITY AND THE COLLEGE COMMUNITY

STUDENT RESPONSIBILITY

The student at York College is a member of the academic community as well as the civil community. All students have the rights, duties, and obligations associated with being a citizen in such communities. As legal adults, students are expected to obey civil law and accept personal responsibility for their behavior.

THE SPARTAN OATH

As A York College Student, I Pledge To:

- Demonstrate respect for others
- Exercise all actions with integrity and honesty
- Communicate and interact in a respectful and considerate manner
- Evaluate how my actions and decisions affect others and the College community
- Support and contribute to a healthy living and learning college environment

YORK COLLEGE OF PENNSYLVANIA HOUSING AND RESIDENCE REQUIREMENT

First year through third year full-time students (less than 90 credits) of traditional college age including transfers and readmits (who have graduated from high school within four years) are required to live in York College residence facilities or to commute from the home of a parent/guardian/relative until they have attained senior
status, which is equivalent to 90 credits. Contracts are for the full academic year, including for those students that may become part-time in the spring semester.

Any student interested in living off-campus must apply through the off-campus application process.

**CAMPUS SAFETY**

The Department of Campus Safety is the primary department at the College charged with creating a safe and secure educational environment. Located in the Manor Northeast lobby, the Department operates 24-hours-a-day, seven days-a-week. Officers patrol the campus on foot, bicycles, Segways and in vehicles. Officers respond to calls for service and assistance, enforce college policy and investigate all reported criminal activity on campus. The Department publishes an annual security report that includes all crime statistics for the year and certain security policy statements, in compliance with the Jeanne Clery Act. The Department of Campus Safety also provides a comprehensive crime prevention and education program for the College. A 24-hour-a-day escort program for students to all campus locations is available. In addition, the Department operates the West Campus Shuttle, which transports students between the main and west campus.

**Motor Vehicles**

The Department of Campus Safety at York College of Pennsylvania is responsible for enforcing traffic and parking regulations on all College property. These regulations were established to provide York College with a safe and organized community in which to live and learn and are in effect at all times throughout the year. In addition to College policies, all traffic and parking regulations regulated by the Commonwealth of Pennsylvania apply and are enforced on campus.

All students are permitted to park motor vehicles on campus or lots adjacent to campus and must register their vehicle(s) with the Campus Safety Office. During registration, students residing in campus housing must purchase a resident parking permit hangtag, which entitles them to park in specific resident parking areas. Students residing off campus (commuters) must purchase a commuter parking permit hangtag, which allows for parking in designated commuter parking areas. A copy of the College traffic and parking regulations and a campus parking map are distributed with each permit.

**Alcohol and Drug Policy and Program**

At York College most students are responsible when it comes to making decisions about alcohol and/or drug use. You must consider 1) whether to drink or not to drink; 2) the consequences for choosing to drink or abstaining from drugs and/or alcohol; and 3) how to be responsible in social situations. Students need to have an awareness about the effects of alcohol and drugs, York College regulations, and legal implications.
The Law

It is illegal in Pennsylvania for persons under the age of 21 to attempt to purchase, consume, possess, or transport any alcohol, liquor, malt, or brewed beverages. Pennsylvania law prohibits the sale of alcoholic beverages to anyone unless they have the proper license issued by the Pennsylvania Liquor Control Board. Pennsylvania and federal law prohibits the possession, manufacture, sale and distribution of illegal substances. Giving marijuana or another drug free of charge may be considered the same as sale or distribution. Possession of large amounts of drugs may be viewed as possession with intent to sell. Applicable legal sanctions may include loss or suspension of driver’s license, fines, and/or jail time.

York College Policy

Believing that the use of alcoholic beverages is detrimental to the standards of group living and academic achievement, the College does not permit students to use, possess, or be in the presence of alcoholic beverages on campus, regardless of age; unless students of legal age are in the College’s designated independent living complex and in compliance with related Residence Life policies.

Consuming alcoholic beverages off campus is not encouraged and, if done, should comply with the Pennsylvania State Law. Any student found using or selling illegal drugs may face suspension from the College and may also be referred to the civil authorities for prosecution.

Students found in violation of the above policies may be referred to the Residence Life Office/Judicial Affairs. Disciplinary sanctions may include probation, removal from residence facilities, and/or suspension from the College.

STUDENT AFFAIRS DEPARTMENTS AND SERVICES

ATHLETICS AND RECREATION

York College’s sports and recreational program is designed to supplement academic experiences by providing opportunities for all students to participate in or witness intercollegiate, recreational, or intramural competitions. The program is consciously geared to student interests and needs. Care is exercised to avoid deterring from students’ academic pursuits and to enhance overall achievement, by supplying outlets for physical and emotional expression.

CAREER DEVELOPMENT CENTER

The Center assists students with career exploration and development through individual appointments, workshops, services, resources, and special events as well as a comprehensive website. The Center guides students through the process of selecting a major, identifying and securing an internship, preparing resumes, developing interviewing skills, and locating full-time employment opportunities. The Center also
coordinates study abroad information and assists students with the graduate school application process.

The Center’s four-year program, *Plan To Succeed*, provides guidance and encourages all students to personalize their own academic and career plans during their York College experience. It encourages them to Engage, Explore, Experience, and Emerge as professionals in their chosen field or discipline. We encourage skill development including self-assessment, job search skills, and preparation for life after college, which students will use throughout their lives.

All of the services, resources, and events available through the Center are designed to empower students to be active participants in their own career development and life planning.

**COUNSELING SERVICES**

Counseling Services advances the overall wellness of students through confidential individual and group counseling sessions, consultation, crisis intervention, and specialized referrals. Staff members are available, upon request, for critical incident response and educational programming for the campus community. Offices are located in the Student Union, Rooms 120-122. Services can be accessed by contacting the office at 717-815-6437 or stopping by during regular business hours. Visit our comprehensive website at www.ycp.edu/campus/1510.htm.

**FOOD SERVICES**

Compass Group-USA through its Chartwells Division works closely with the Student Affairs Division to offer, seven days a week, food that will be both enjoyable and economical to students. The management team welcomes constructive suggestions from students about the food services. Numerous special dinners are planned during the year, and many campus organizations plan their program refreshments through food services. Visit: http://www.dineoncampus.com/ycp/.

All students living in traditional on-campus housing must purchase the College’s full meal plan. There are several food and beverage outlets on campus to serve the varied needs and schedules of our campus community.

**HEALTH SERVICES**

All registered students, full-time and part-time, are eligible to use the Health Center. Students are required to have an admission physical and immunizations on file in the Health Center. The Health Center is open Monday through Friday, 8:30 a.m. to 4:30 p.m. See the Health Center web link for hours of operation, immunization/flu clinic dates, and physician and nurse practitioner hours.

**JUDICIAL AFFAIRS**

The College discipline process is designed as an educational one, to encourage and promote the process of self-discipline. Disciplinary action can be taken against students for misconduct/incidents while on or off campus. This includes student misconduct that is a violation of College standards, regulations, or the law and that is detrimental
to the College’s lawful mission and interests. Full disclosure of the judicial process and the College’s Student Code of Conduct can be found on the College website or in the student handbook.

MULTICULTURAL AFFAIRS
The Multicultural Affairs office provides educational and social programs related to diversity and multiculturalism for the College campus. These programs enrich the overall educational experience and assist with creating an inclusive environment leading to a holistic development for students. The Multicultural Affairs office also works closely with international students and exchange students, assisting with acclimation and transition to York College life, the York community, and American society.

RELIGIOUS ACTIVITIES
Interfaith programs and worship services are planned and coordinated by the Council on Religious Activities, the religious organizations, and the chaplains in conjunction with the College’s Religious Activities Coordinator. The Council and religious staff work to foster an atmosphere on campus that will enhance an awareness of the spiritual dimensions of life.

The College retains the services of Catholic and Protestant chaplains for the purpose of providing students an additional means of counseling and a source of spiritual guidance on campus. The chaplains’ offices post day, evening, and weekend hours throughout the year. The Brougher Campus Chapel serves as the center of worship for all faiths in the College community.

RESIDENCE LIFE
Residence Life at York College is an integral part of the college learning experience. The Residence Life program seeks to provide a comfortable, safe living environment that is conducive to supporting academic success, individual growth, and group interaction and development. Residence Life fosters this environment through initiatives and activities that promote the ideals of respect, understanding, and community. It is the belief of this office that diverse students can learn to appreciate and respect one another, as well as themselves, through residence hall living. Living on the York College campus is a privilege and, in and of itself, a learning experience. Campus housing facilities include traditional residence halls, suite and apartment-style living.

STUDENT ACTIVITIES AND ORIENTATION
The Office of Student Activities and Orientation exists to facilitate students’ transition to college and provide a variety of co-curricular experiences during their time at York College. The Office creates opportunities for student participation and leadership in over 80 clubs, organizations, fraternities, and sororities; volunteerism efforts, Student Senate, Campus Activities Board (CAB), Leadership Series and service as Orientation Leaders.
A vital aspect of student life involves participation in campus activities, including Student Government, academic, social, and special interest organizations, and the many social, educational, and recreational events that take place on campus. A diversified program of events is planned by students on the Campus Activities Board, working with the Office of Student Activities. Each semester features a wide range of activities such as comedians, musical performers, weekend events, game shows, concerts, films, bus trips, lectures, and many other special events. In addition, academic departments frequently schedule special programs of general appeal. Department offerings have ranged from nationally known poets to state officials and leaders from industry and community life.

The Student Union serves as a central meeting spot on campus where many members of the campus community can gather to interact socially and intellectually outside the classroom. Programs offered at the Student Union provide cultural, social, and recreational activities designed to complement academic endeavors. All such programs are intended to encourage self-directed activity, giving maximum opportunity for self-realization and for growth in individual social competency and group effectiveness.

STUDENT CLUBS AND ORGANIZATIONS

A well-rounded student is one who gets involved in co-curricular activities, in addition to academics. York College offers a wide variety of activities to satisfy every interest. Escape and unwind with many of the 80 plus clubs and organizations at the College. Among these are sports, musical performing groups, the media and various publications, academic and honorary societies, religious and service organizations. There are several fraternities and sororities for those who would like to be involved in Greek life. For a complete list of all of the opportunities available, check the Student Handbook and Activities Calendar.

STUDENT GOVERNMENT

The Student Senate, as a representative body, provides the means for:

1. responsible and effective student participation in the organization and control of student affairs;
2. taking action in the best interest of the student body and college community;
3. providing an official voice through which student opinion may be expressed;
4. fostering awareness of the student’s position in the campus, local, state, national, and international communities.

Officers and Student Senators are elected by the students. Students are chosen by the Student Senate to participate on Faculty Senate committees. Members of the Student Senate invite interested students to participate in any Senate function. The Senate meets weekly, with three faculty and three administrative advisors. Meetings are open to any member of the student body.
CAMPUS ACTIVITIES BOARD

The Campus Activities Board (CAB) is a standing committee of the Student Senate and is comprised of elected Student Senators and appointed Student Association members. The committee works closely with the Student Activities Office to bring exciting and innovative entertainment to York College students and the community. Campus Activities Board applications are available to any interested students in the CAB Office, Student Union. CAB is interested in hearing suggestions for activities students would like to see on campus.

CAMPUS RECREATION AND FITNESS

Campus recreation typically encompasses free play and fitness opportunities for students, staff, and faculty. A wide variety of offerings are made available throughout the year; activities based largely on the interests of the participants.

The pool, gym, field house, and fitness center are available at no cost to full-time students for recreational play at specified hours. Please check listings for an updated schedule of operation.

CLUB SPORTS

Many students are interested in competing against other colleges and universities without the time demands of a varsity program. For these individuals, the College offers a number of club sport programs to choose from. These teams compete against other regional two- and four-year institutions throughout the commonly known college season. Current offerings include men’s and women’s rugby, women’s lacrosse, men’s volleyball, women’s softball, equestrian, and coed ultimate frisbee.

INTRAMURAL SPORTS

A wide variety of intramurals allows every student to engage in some organized sport without the pressure of intercollegiate competition. Men participate in flag football, volleyball, basketball, softball, indoor and outdoor soccer. Women participate in volleyball, basketball, softball, and indoor and outdoor soccer. Coed competition is held in a variety of sports including volleyball, soccer, and softball. Other activities, including a variety of tournaments and contests are added when students express interest.

INTERCOLLEGIATE SPORTS

Programs are provided for students who are physically and psychologically equipped to participate in competitive sports with representatives from other colleges. Intercollegiate sports for men include baseball, basketball, golf, soccer, swimming, track and field, wrestling, lacrosse, tennis, and cross country. Women’s intercollegiate program includes soccer, basketball, field hockey, lacrosse, tennis, track and field, cross country, volleyball, softball, and swimming. Cheerleading is a student activity closely related to and supportive of the intercollegiate teams. The squad is comprised of both men and women. Squad vacancies are filled through open competition.
ALUMNI ASSOCIATION

The graduates of York College become members of the Alumni Association. The Alumni Association promotes the interests of the College and its 25,000 alumni by organizing programs for alumni and informing them of the progress and needs of their alma mater. The Association sponsors reunions, Homecoming, and other events that bring alumni back to campus, and supports alumni chapters in locations where large numbers of alumni live.

The Alumni Association contributes to student life by underwriting projects that improve campus facilities, and sponsoring annual scholarships for more than twenty students. The Association also hosts several events for seniors each year, including commencement parties and social events that encourage class unity and inform students about their opportunities to remain involved with York College.

The Alumni Association Board of Directors consists of 24 members, and is the governing body of the Association. Any alumnus or alumna of York College of Pennsylvania, York Junior College, the York Collegiate Institute, and the York County Academy is eligible to serve on the Board, which meets five times a year.
ADMISSIONS AND FINANCES

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When and How to Apply | Academic Preparation | Admissions Procedures | Acceptance | Admission of International Students | Courses for High School Students | Admission of Transfer Students | Admission of Veterans | Premedical Scholars/Hershey Medical School Early Admission Program | Matriculation

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Tuition | Special Fees | Tuition Refund Policy | Deposits | Deferred Payment Plan | Satisfactory Academic Progress | Grants | Federal College Work-Study Program | Institutional Scholarships | Loans
ADMISSIONS POLICY

It is the policy of York College of Pennsylvania to grant admission to qualified applicants in accordance with the College’s non-discrimination policy. An applicant who fulfills admission requirements is given every possible consideration given the capacity limits of our housing and classroom facilities.

York College endeavors to admit students whose records indicate that they possess the qualities needed to achieve academic success in the academic program they intend to pursue. York seeks students who are strongly motivated to excel in college, and who are prepared to accept and fulfill collegiate responsibilities.

Applicants for admission must have graduated from an approved secondary school or have earned a state equivalency diploma prior to their enrollment at York College. Applicants must present academic records and standardized test scores that the College believes demonstrate achievement and ability commensurate with curricular expectations.

York College reserves the right to deny acceptance if it is deemed necessary in the interests of public safety, for the prevention of disorder or crime, for the protection of health or morals, or for the protection of the rights and freedom of others.

WHEN AND HOW TO APPLY

Applicants for admission should submit an application to the Office of Admissions early in their senior year. This form must be completed in its entirety and according to the printed instructions. The application fee of $30 must accompany the paper application. This fee is nonrefundable. No application fee is required for an online application.

ACADEMIC PREPARATION

In general, the applicant’s secondary school program should include a minimum of the following units: four in English; three in social studies; three in academic math (including Algebra I, Algebra II, Geometry); three in laboratory science; and two in foreign languages. Admission decisions are based upon a formula that takes into account high school performance and SAT (Critical Reading and Math scores only) or ACT (optional writing test required) scores, as well as the personal character and qualities of the applicant. Minimum acceptable SAT or ACT score standards are established at the beginning of every academic year.

ADMISSIONS PROCEDURES

Students seeking admission to York College directly from secondary school should follow these recommended procedures:
1. Send a completed application to the Admissions Office.
2. Submit an official transcript of secondary school grades.
3. Take the Scholastic Assessment Test of the College Entrance Examination Board or the American College Test (optional writing test required) by January of the senior year. Information about the examination may be obtained from the high school guidance office.
4. Applicants whose native language is not English may be required to take the Test of English as a Foreign Language (TOEFL) or the SAT II English Language Proficiency Test (ELPT).
5. All applicants are urged to visit the campus. While a personal interview is not part of the decision-making process, a meeting with an admissions counselor is encouraged and should be scheduled in advance of the visit.
6. Submit a health history and report of a physical examination prior to matriculation. Forms are supplied by the College.
7. Letters of recommendation are optional.
8. Home schooling credentials. In addition to the above, home schooling applicants must submit the following:
   a. A description for each course taken through home schooling.
   b. Two letters of recommendation, excluding parents or other relatives.

A high school diploma from a home schooling applicant must be issued by one of the following:
   a. School district from which the student is affiliated.
   b. An agency that has been approved by the state’s Department of Education to issue high school diplomas.
   c. A General Education Diploma (GED).

A request for the waiver of the high school diploma can be made if the student has successfully completed 15-18 non-remedial, academic college credits prior to applying. Courses must have been taken in the following areas: English/Communications, Mathematics, Laboratory Sciences, Foreign Language, Social Science/History. An official college transcript must be submitted to the York College Admissions Office directly from the college attended.

**ACCEPTANCE**

**Notification**

Committee action occurs and applicants are notified as soon as all credentials have been received and evaluated. All acceptances are granted on the condition of satisfactory completion of secondary school and appropriate notice to the College of such completion. Acceptance into music, music education, music industry and recording technology, fine art, and graphic design are conditional pending the successful completion of a music audition or portfolio review.
Deferred Acceptance

An accepted applicant may defer the acceptance for one academic year pending good academic standing at any previous colleges attended.

Acceptance Deposit

Applicants for both the fall and spring semesters are encouraged to pay the registration deposit as soon as possible. Because admission to York College for the fall semester is on a rolling basis and both resident and commuter openings for fall fill quickly, we recommend that your deposit be received by May 1. Deposits received after May 1 will be accepted contingent upon space availability. Deposits for the fall semester are refundable only if written notification to the Admissions Office is postmarked by May 1. Refund requests by fax or email are not acceptable. Deposits received after May 1 are not refundable. Deposits for the spring semester are not refundable.

Housing

There are three general housing classifications for York College students:

1. The Resident Student lives in any of the College-owned or affiliated facilities. A Housing Application/Contract and detailed housing information are forwarded with each acceptance letter. Housing is reserved as the Application/Contract card and appropriate deposit are received.

2. The Commuter is a local resident of the York County area who continues to live at home while attending the College.

3. The Resident Commuter is a student who lives away from home in independent (non-College-affiliated) housing. Students living off campus must register with the Residence Life Office.

Early Admission Plan

In an effort to provide an opportunity for exceptionally well-qualified high school students to accelerate their studies, York College offers a program through which carefully selected students may be admitted to the College upon completion of the junior year of high school. Students enrolled in this program are admitted as freshmen and, upon successful completion of the freshman year, are granted a high school diploma by their high school, as well as the college credits earned.

Applicants must have the approval of their parents, the high school principal, and be recommended by their guidance counselor, in addition to having a combined SAT I score of 1150 (Critical Reading and Math sections only) and a 3.00 cumulative high school GPA. A personal interview is required to assess the applicant’s level of maturity.

ADMISSION OF INTERNATIONAL STUDENTS

York College welcomes applications from international students. In addition to fulfilling the requirements stated under admissions procedures, international students must submit satisfactory scores from the Test of English as a Foreign Language (applicants whose native language is English are exempt). A statement must be submitted that is
Admissions and Finance

certified by a U.S. Embassy or bank that sufficient funds exist and will be released from the country to cover all educational and living expenses while attending York College. This information is required prior to issuance of an I-20 AB Form by the designated school official. International students must apply for admission and have all credentials forwarded by May 1 for the fall semester and by September 1 for the spring semester.

COURSES FOR HIGH SCHOOL STUDENTS

Capable high school juniors and seniors are encouraged to take some college (credit) courses during their last two years in high school. The experience exposes them to a college environment, while they retain important high school social interactions. To be eligible to take such courses, high school students must obtain a letter of recommendation from their guidance counselor, have earned a 3.0 GPA, and have achieved a minimum of 1150 (Critical Reading and Math sections only) on the combined SAT. Interested students should contact the Office of Enrollment Management.

ADMISSION OF TRANSFER STUDENTS

Transfer students from regionally accredited two- and four-year institutions are welcomed, however, York College does not currently accept transfer students into the Nursing program unless the applicant is a Registered Nurse or a Licensed Practical Nurse. A minimum grade point average of 2.0 is required. Some majors may require a higher GPA. A maximum of 75 semester hours will be accepted in transfer from two-year colleges, and students must complete a minimum of 30 credit hours at York College to be eligible to earn a degree.

In addition to completing the York College Application for Admission, students who are transferring from other institutions offering college-level work must:

1. Furnish an official transcript of college work previously taken. An official transcript of all previous work is required whether a student has earned transfer credit or not, or whether a student wants transfer credit or not. Credit may be given for most transfer courses in which the applicant has earned a “C” or higher.

2. A student in academic difficulty at another institution who desires admission to York College as a full-time student is not eligible to apply until they have taken at least nine to 12 credits of coursework at York College or any other accredited institution, and have earned at least a 2.0 (“C”) in each course taken.

3. A candidate for a second degree or a second major from York College must complete the requirements for the major plus any additional support courses the department might require. All general education courses are waived.

4. Graduation with honors will be based on the cumulative GPA earned including transfer credits.

5. Transfer students are eligible for financial aid at the time of admission.
York College Transfer Credit Policy

Transfer Policies

Students who have completed courses at other regionally accredited colleges are welcome to apply to receive transfer credit at York College. In accordance with AACRAO (American Association of Collegiate Registrar and Admissions Officers) guidelines, transfer credits will be awarded to provide advanced standing to transfer students for courses in which a 2.0 (“C”) or higher grade is earned, and which are comparable and appropriate to the academic programs and general education requirements of York College. Colleges may vary in the number of transfer courses that are applied to satisfy degree requirements.

Transfer students must have a minimum of a 2.0 GPA. The Nursing and Elementary Education majors require a higher grade point average. A maximum of 75 credits will be accepted in transfer from two-year colleges. Transfer students admitted to the College with an associate’s degree from another institution must satisfy all York College general education requirements not completed as transfer credit. Students must complete a minimum of 30 credit hours in residence at York College to be eligible for a degree.

York College awards credit but no quality points for transfer work. Transfer grades are not computed into the cumulative grade point average except in the calculation of graduation honors.

Transfer credit will be awarded for courses where the student has earned at least a 2.0 (“C”) or higher grade. Grades of “D,” “F,” “W,” “Inc,” “Au,” or “In Progress” will not transfer. Continuing education units (CEUs) will not transfer.

Technical courses will not transfer to York College. Examples include agriculture, electronics, drafting, dental hygiene, hotel management, paralegal, EMT, etc. Remedial courses do not transfer. Typically they are numbered from 000 to 099 and include English, math, reading, and study skills courses.

Freshmen orientation or freshmen seminar courses from other institutions will not transfer to York College.

Students transferring with a bachelor’s degree from another institution will not receive a course-by-course evaluation. Students should contact the academic department of their major for determination of courses needed to complete their degree at York College.

If the Advanced Placement and/or Collegiate Level Examination Program (CLEP) credits are listed on another colleges’ transcript for credit, we require an official copy of the score reports for York College to evaluate.

The World Education Services must evaluate credentials from foreign universities. Forms are available in the Admissions Office.

Classes transferring as electives (1XX, 2XX, 3XX, 4XX) may transfer as specific courses. Please see the appropriate academic department for further information if you believe the class is equivalent to a York College course.
Credit Validation

York College carefully evaluates transfer credits from colleges that have not achieved regional accreditation status. In cases where a college has applied for and achieved official candidate institution status, credit appropriate to the degree programs of York College will be awarded following the successful completion of a full-time (12 credits minimum) semester at York College. For students applying to York College with credits from non-regionally accredited and non-candidate institutions, the College will offer credit for those appropriate experiences that can be validated by York College challenge examinations or through standardized external testing, (e.g. CLEP, ACT/PEP, etc.). In view of the College’s special mission seeking to address the higher education aspirations of members of the York County community, applicants from non-regionally accredited institutions in York County may apply for special credit validation testing or portfolio review. Special arrangements and the fees for such review will be arranged with the cooperation of the sending institution.

Upon admission to York College, applicants from non-regionally accredited and non-candidate institutions may request a review of their transcript for credit validation purposes. The advising staff will evaluate the nature of the credits earned at the sending institution and make recommendations regarding the appropriate credit validation procedures for each student.

Standardized external testing using the Collegiate Level Examination Program (CLEP) will be used whenever possible to validate credit. The Registrar’s Office or the Evening Resource Center will provide the student with information regarding CLEP registration, fees, and test schedules. Internal credit evaluation will be arranged through the York College Credit by Examination Program (CBE) for those courses or educational experiences that cannot be validated through CLEP examinations. The application materials for these examinations are available in each department office, and qualified students who wish to validate their credits in this way will be referred to the appropriate department chairperson. Fees for York College credit by examinations will be waived for applicants from non-accredited institutions in York County who use these exams to validate previous educational experiences.

ADMISSION OF VETERANS

Any veteran seeking matriculation to York College of Pennsylvania should submit an application to the Admissions Office. Those veterans who are eligible for educational assistance under any of the current GI Bills, as administered by the Department of Veterans Affairs, MUST notify the Director of Records to initiate their educational benefits and to ensure that all necessary forms and certificates have been submitted. Re-certification will be required for each subsequent enrollment period. Veterans who may qualify for advanced standing credit should submit all previous college transcripts and training records to the Admissions Office for evaluation. A veteran who is eligible for educational assistance benefits may enroll as a non-matriculated student for a maximum of two enrollment periods and still utilize those benefits. Any questions or concerns relative to Veterans Educational Benefits should be directed to the Office of the Director of Records.
PREMEDICAL SCHOLARS/HERSHEY MEDICAL SCHOOL
EARLY ADMISSION PROGRAM

Premedical Scholars participate in a series of pre-professional development experiences including Family Practice Grand Rounds at York Hospital made possible by the close coordination of York College and York Hospital teaching and research programs. Participants in the Premedical Scholars Program are assured admission to the Pennsylvania State College of Medicine at Hershey upon graduation from York College, contingent upon their academic performance at York College, satisfactory interviews, and a competitive Medical College Admission Test (MCAT) score. Eligible candidates must achieve a combined SAT score of 1965 or higher, an outstanding secondary school record including strong letters of recommendation, and selection by the York College Premedical Scholars Admissions Committee.

York College of Pennsylvania, York Hospital, and the Pennsylvania State University College of Medicine at the Hershey Medical Center cooperatively offer this special early admissions program for exceptionally accomplished high school seniors who maintain high scholarly achievement in college and show a continuing commitment to medicine. Participants must maintain a 3.6 or higher grade point average in science (Biology, Chemistry, and Physics) and mathematics classes with an overall minimum GPA of 3.5 while at York College. Premedical Scholars are interviewed by The Committee for the Health Professionals of York College and, if qualified, are referred to Pennsylvania State University College of Medicine at Hershey for further interviews following the sophomore year. Premedical Scholars recommended for early admission interviews at the Pennsylvania State University College of Medicine at the Hershey Medical Center are eligible for the Pennsylvania State College of Medicine Early Assurance of Admission Program. Preference may be given to Pennsylvania residents, due to the funding structure of the Pennsylvania State University College of Medicine.

MATRICULATION

A student is matriculated when the student 1) applies to the College, 2) is admitted as a student into a degree program, and 3) enrolls in one or more courses.

As a student works toward completing his or her degree requirements, he or she is permitted to miss one semester of attendance without losing matriculation status. If a student misses a second consecutive semester, he or she loses matriculation status and must then obtain and file a readmission application with the Admissions Office and be formally readmitted to the College.

All qualified students must matriculate prior to completing 24 credit hours of course work. All students must achieve a minimum grade point average of 2.0 to be eligible for matriculation. Some majors may require a higher grade point average. There are many benefits to matriculation, including eligibility to apply for financial aid and the assignment of a faculty advisor from the student’s curriculum.

It is important to realize that all students must have matriculated no later than the semester prior to the one in which they plan to graduate. Those students who wish to matriculate may do so by securing an admissions application from the Admissions Office, completing the application, and returning it to that office.
A student’s degree requirements will be determined by the date of declaration of the major, whether upon admission or at a later date. A readmitted student’s degree requirements will be determined by the date of his or her first declaration of a major, unless there has been a lapse in attendance of seven or more years. Specifically, readmitted students who have not taken courses at York College during the previous seven years will complete the degree requirements that are in effect upon readmission; all other readmitted students will complete the curriculum as published at the time of their first declaration of the major (See Declaring or Changing a Major).

Provisional Non-Matriculated Student Status: All non-matriculated students must maintain a minimum 2.0 grade point average after completing 15 credit hours of coursework at York College in order to be eligible for continued enrollment in courses.

FINANCIAL INFORMATION

TUITION

Tuition and fees are payable before the beginning of each semester. Payment or arrangement for payment must be made before a student may enter class. No reduction in tuition or fees is made for late registration.

Students who do not meet their financial commitments will not be permitted to schedule classes for the following semester. Grades and official transcripts will not be released until all obligations have been satisfied.

Following are examples of estimated costs for the 2009–10 semesters. The College reserves the right to change fees and charges without notice; however, College policy mandates moderate changes with reasonable advance notice of such changes. In addition to the cost below, a student will incur expenses for books, supplies, certain special fees, and personal needs.

Typical Tuition and Fees for Full-time Students (12 to 18 credits)

<table>
<thead>
<tr>
<th></th>
<th>Resident Semester</th>
<th>Year</th>
<th>Commuter Semester</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$6,500</td>
<td>$13,000</td>
<td>$6,500</td>
<td>$13,000</td>
</tr>
<tr>
<td>General/Technology Fee</td>
<td>665</td>
<td>1,330</td>
<td>665</td>
<td>1,330</td>
</tr>
<tr>
<td>Student Senate Fee</td>
<td>65</td>
<td>130</td>
<td>65</td>
<td>130</td>
</tr>
<tr>
<td>Room (freshman housing)</td>
<td>2,250</td>
<td>4,500</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Board (full meal plan)</td>
<td>1,790</td>
<td>3,580</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Total</td>
<td>$11,270</td>
<td>$22,540</td>
<td>$7,230</td>
<td>$14,460</td>
</tr>
</tbody>
</table>

Tuition: Over 18 credits is at the per-credit-hour charge of $405.

General/Technology Fee: Entitles the student to admission to all home athletic contests, concerts and lectures, library services, use of the computer labs, Internet access, email addresses, the Student Union, scheduling, Health Services, and advising services for all students.
Student Senate Fee: This fee is assessed by the Student Senate and collected by the College for the Student Senate.

Room: Fees for residence halls range from $2,250 to $2,975 depending on the style of housing. Both traditional and apartment styles are available. There are a few single rooms available for an additional fee depending on location. Students residing in traditional dormitories are required to participate in the board arrangements made by the College.

Board: This includes a 225-meal plan. There are also other meal plans offered to those students who live in apartment-style housing or who commute.


Fall Semester:
Billing Date: June 15, 2009
Payment Due Date: July 6, 2009
A $35 LATE PAYMENT FEE APPLIES AFTER DUE DATE.

Typical Tuition and Fees for Part-time Students
(less than a total of 12 credits per semester)

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition per credit hour</td>
<td>$405</td>
</tr>
<tr>
<td>General/Technology Fee (part-time)</td>
<td>$320</td>
</tr>
</tbody>
</table>

SPECIAL FEES

Application Fee (new students only) $30

Applied Music
Private Instruction Music fees in voice, piano, organ, or instrument are assessed each semester. Once the student has enrolled and schedules a lesson time, the applied music fee will not be refunded for any reason.

<table>
<thead>
<tr>
<th>Lesson Type</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2 hour lesson per week</td>
<td>$310</td>
</tr>
<tr>
<td>Two 1/2-hour lessons or one 1-hour lesson per week</td>
<td>$620</td>
</tr>
</tbody>
</table>

Audit Fee—per credit hour 15% of tuition

Auditting will not be permitted in laboratory studies, studio courses, language courses, or non-credit courses.

Chemistry Laboratory Breakage Fee Card $20

Students will be responsible for payment for lost or carelessly broken equipment. Any unused portion of the card may be refunded at the end of the semester provided the instructor endorses the card.

Chemistry Plant Fee $30

Credit by Examination (per course) $100
Engineering Majors and Engineering Management Majors
There will be an additional tuition charge based on the total number of credits enrolled.
- 0.5 to 5.5 credits $230
- 6 to 11.5 credits $470
- 12 or more credits $635

Graduation Application Fee (degree fee) $60
- December Graduation—September 15
- May Graduation—February 5
- August Graduation—July 15

Additional Late fee after due date $25

Laboratory Fees (course fee) $20
Fees charged for certain courses (ex. Art, Language, and Science)
A listing of these courses will be available at the beginning of each semester.

Late Payment Fee for Semester Billing $35

Late Registration (effective first day of semester)
- Full-time students $35
- Part-time students $20

Mass Communications Fee (per credit hour) $53

Nursing and Respiratory Therapy Majors
There will be an additional tuition charge (per credit hour) for courses. $95

Returned Check Charge $35

Student Teaching $230

Study Abroad Fee (for all students studying abroad) $100

Course fees associated with certain courses are not listed but may be passed on to students enrolled in these classes. (ex., malpractice liability insurance, marine biology, field trips, etc.)

TUITION REFUND POLICY
WITHDRAWALS prior to the first day of the semester will receive a 100% refund of tuition and fees as charged. The deposit is not refundable.

TOTAL WITHDRAWALS beginning on the first day of the semester will receive a pro-rata refund of tuition, fees, room, and board. The daily pro-ration will be calculated by dividing the number of days attended (date of withdrawal) by the total number of days in the semester, including weekends and breaks unless the period exceeds five days. Refunds will be processed until the percentage reaches 60% completion, at which time there will be no further refunds.

DROPPED CLASSES between 12 and 18 credits (full-time status) will not result in a refund. A pro-rata refund will be calculated for credits dropped below 12 and over 18.
Tuition will be refunded using the daily pro-ration for the number of credits dropped. Failure to attend class, merely giving notice to instructors, or telephoning, will not be considered as an official withdrawal. In the absence of an official withdrawal, the student will be responsible for all tuition charges and fees, and will receive a failing grade for all scheduled courses. To withdraw from all coursework, a full-time student must meet with the Dean of Student Affairs to obtain an official withdrawal form and further instructions. To totally withdraw, a part-time student must obtain and complete a “Change of Student Record” form through the Records Office or Adult Learner Center.

This refund policy meets the U.S. Department of Education’s regulation of a “fair and equitable” refund policy. All refund credits to students receiving Title IV federal aid will be in compliance with current or amended regulations.

**Return of Federal Title IV Funds Policy**

The Financial Aid Office is required by federal statute to recalculate federal financial aid eligibility for students who withdraw, drop out, are dismissed, or take a leave of absence prior to completing 60% of a payment period or term. The federal Title IV financial aid programs must be recalculated in these situations.

If a student leaves the institution prior to completing 60% of a payment period or term, the Financial Aid Office recalculates eligibility for Title IV funds. Recalculation is based on the percentage of earned aid using the following Federal Return of Title IV funds formula:

\[
\text{Percentage of payment period or term completed} = \frac{\text{the number of days completed up to the withdrawal date}}{\text{the total days in the payment period or term}}.
\]

(Any break of five days or more is not counted as part of the days in the term.) This percentage is also the percentage of earned aid.

Funds are returned to the appropriate federal program based on the percentage of unearned aid using the following formula:

\[
\text{Aid to be returned} = (100\% \text{ of the aid that could be disbursed minus the percentage of earned aid}) \times \text{the total amount of aid that could have been disbursed during the payment period or term}.
\]

If a student earned less aid than was disbursed, the institution would be required to return a portion of the funds and the student would be required to return a portion of the funds. Keep in mind that when Title IV funds are returned, the student borrower may owe a debit balance to the institution.

If a student earned more aid than was disbursed to him/her, the institution would owe the student a post-withdrawal disbursement that must be paid within 120 days of the student’s withdrawal.

The institution must return the amount of Title IV funds for which it is responsible no later than 30 days after the date of the determination of the date of the student’s withdrawal.
Title IV funds will be returned in the following order:

1. Unsubsidized Federal Stafford Loans
2. Subsidized Federal Stafford Loans
3. Unsubsidized Direct Stafford Loans
4. Subsidized Direct Stafford Loans
5. Federal Perkins Loans
6. Federal Parent (PLUS) Loans
7. Direct PLUS Loans
8. Federal Pell Grants
9. Academic Competitiveness Grant
10. National SMART Grant
11. Federal Supplemental Opportunity Grants (SEOG)
12. TEACH Grant
13. Any other Title IV program(s)

DEPOSITS

New Students

Applicants for both the fall and spring semesters are encouraged to pay the tuition and housing deposit as soon as possible. The deposits are $100 each. Nursing and Mechanical Engineering deposits are higher. Admission to York College for the fall semester is on a rolling basis and both resident and commuter openings for fall fill quickly. We recommend that your deposit be received by May 1. Deposits received after May 1 will be accepted contingent upon space availability. Deposits for the fall semester are refundable only if written notification to the Admissions Office is postmarked by May 1. Refund requests by fax or email are not acceptable. Deposits received after May 1 are not refundable. Deposits for the spring semester are not refundable.

Returning Students

Deposits signify a student’s intention to return to York College in the succeeding semester and are required prior to scheduling classes. There are two types of deposits:

**Tuition deposit**—$100 each semester

All students (full- and part-time) are required to pay the tuition deposit prior to registering for classes. The deposit is refundable upon written request to the Business Office prior to May 1 for summer, prior to July 15 for fall, and prior to December 15 for spring.

**Housing/Dorm Damage deposit**—$100 per academic year

Please refer to the residency requirements in the Student Affairs section (pages 17–21). This deposit is similar to a security deposit. It is held and applied against any dorm damages assessed upon departure. Credits will be refunded or applied against other balances. This deposit is refundable upon written request to the Residence Life Office prior to June 1 for fall and prior to November 1 for spring.
Both deposits are refundable if a student is academically suspended from the College or denied final admission.

**DEFERRED PAYMENT PLAN**

Information regarding the payment plan will be mailed directly to students from Higher Education Services, Inc. (HES). The installment payment plan enables parents and students to make regularly scheduled installment payments and allows them to budget college costs. All or a portion of tuition, room, board and fees are paid in ten regularly scheduled payments without interest or carrying charges. The annual cost is $45, and must be started before August 1.

**SATISFACTORY ACADEMIC PROGRESS**

Undergraduate students enrolled for 12 credits are considered to be full-time. Six to eight credits are considered half-time. Nine to 11 credits are considered to be three-quarter time. The following will govern the monitoring of undergraduate students for Satisfactory Academic Progress for Title IV financial assistance.

**Good Standing**

1. To be in good standing, each student must meet the standards for Qualitative Progress as measured by cumulative Grade Point Average (GPA) and Quantitative Progress as measured by cumulative credits earned.
   a. To be in good standing on a QUALITATIVE basis, the following progress must be maintained:
      - Upon completion of 12 credits 1.6 GPA
      - Upon completion of 24 credits 1.7 GPA
      - Upon completion of 36 credits 1.85 GPA
      - Upon completion of 48 or more credits 2.0 GPA

2. To be in good standing on a QUANTITATIVE basis, a student must have passed at least 67% of the cumulative number of registered credits at York College.
   b. “Registered credits” are the number of credits for which a student is enrolled at the end of the Drop/Add period.

3. To determine academic progress, a student’s cumulative academic record will be reviewed at the end of each semester (fall and spring). (This policy applies to both full-time and part-time students.)

A student who does not satisfy either QUANTITATIVE or QUALITATIVE standards will be placed on financial aid probation. The status of a student on financial aid probation will be reviewed each semester (fall, spring, summer) to determine if the probation may be lifted.

A student who is placed on financial aid probation may be continued on probation for the next two semesters for which the student is enrolled at York College. (Summer and fall or fall and spring or spring and summer.) A student on financial aid probation who does not return to Good Academic Standing within two semesters (see item above) will have all financial aid terminated.
A student may qualify for reinstatement by enrolling in summer sessions or fall or spring semesters (without financial aid) and raising the quantitative and/or qualitative record(s) to the required standard. (See “Good Standing” above.) By formal appeal through the Office of the Dean of Administrative Services, an extension of one semester is granted in exceptional and extenuating circumstances.

All students must complete their degree program within an established time frame. Since enrollment status may vary from semester to semester, the time frame is measured in terms of credits attempted at York College.

Federal Financial Assistance will terminate at the end of the following time frames:

1. It is expected that the bachelor’s degree will be earned at the point of having 186 registered credits. Since 67% of the registered credits must be passed to maintain satisfactory progress, 124 credits (the number required for graduation) would be earned at the point of having 186 registered credits.
   a. Exceptions are:
      1. Mechanical Engineering (141 cr.) 211 credits
      2. Clinical Laboratory Science (129 cr.) 193 credits
      3. Nuclear Medicine (129 cr.) 193 credits
      4. Nursing (132 cr.) 198 credits
      Nursing (LPN) (132 cr.) 198 credits
   5. Secondary Education:
      Biology (139 cr.) 208 credits
      English (125 cr.) 187 credits
      General Science (125 cr.) 187 credits
      Mathematics (128 cr.) 192 credits
      Social Studies (133 cr.) 199 credits
   6. Computer Science (125 cr.) 187 credits
   7. Elementary Education (131 cr.) 196 credits
   8. Elementary/Special Education (157 cr.) 235 credits
   9. Engineering Management (132 cr.) 198 credits
   10. Graphic Design (129 cr.) 193 credits
   11. General Music Education (134 cr.) 201 credits
   12. Sport Management (129 cr.) 193 credits
   13. Computer Engineering (143 cr.) 214 credits
   14. Electrical Engineering (143 cr.) 214 credits
   15. Forensic Chemistry (127 cr.) 190 credits
   16. Mass Communications (126 cr.) 189 credits

2. Associate degree candidates should have earned the degree at the point of having (62) 93 registered credits.

Exceptions are:
1. Biology (66 cr.) 99 credits
2. Business Administration (67 cr.) 100 credits
3. Chemistry (68 cr.) 102 credits
4. Fine Art (68 cr.) 102 credits
5. Music (63 cr.) 95 credits
6. Physics (68 cr.) 102 credits
7. Political Science (67 cr.) 100 credits
8. Respiratory Therapy (prior Technician Program) (74 cr.) 111 credits
9. Respiratory Therapy (99 cr.) 148 credits

If a student feels he or she has extenuating circumstances, the student should request the director of Financial Aid review his or her circumstances. In the event the student is not satisfied with the review decision, he or she may appeal in writing to the dean of Administrative Services.

A student on academic suspension is not eligible for any federal, state, or York College aid.

Incomplete courses are counted as courses taken but will not count toward progress unless satisfactorily completed within two months of the end of the marking period.
Withdrawn courses are counted as courses taken but do not count toward progress.
A repeated course does not count toward progress (it is not a new course).
Non-credit and audit courses are not counted as courses taken toward progress.

This policy is subject to change due to modifications in institutional and/or governmental regulations. Updated policy statements are available at the Financial Aid Office.

Academic Year
The York College academic year includes at least 30 weeks of instruction in which students are required to earn at least 24 credits to meet progress standards.

Undergraduate Class Standing
A student’s class is determined by the number of semester hours completed in accordance with the following:
   - Freshman - 0 to 29.99 credit hours
   - Sophomore - 30 to 59.99 credit hours
   - Junior - 60 to 89.99 credit hours
   - Senior - 90 credit hours and above

GRANTS
Federal Pell Grants
A federal program that provides grants of up to $4,731 to students showing a financial need. Application is made directly to the government via the FAFSA (Free Application for Federal Student Aid).
Federal Academic Competitiveness Grant Program
A federal program that provides grants of up to $750 for the first academic year of study and up to $1,300 for the second academic year of study. To be eligible a student must: be a U.S. citizen; be a Federal Pell Grant recipient; be enrolled full time; and if a second year student, have a cumulative GPA of at least 3.0.

National SMART Grant Program
A Federal program that provides a grant of up to $4,000 for each of the third and fourth academic years of study. Eligible students must: be a U.S. citizen; be a Federal Pell Grant recipient; be enrolled full-time; major in physical, life, or computer science, engineering, mathematics, technology, or a critical foreign language; and have a cumulative GPA of at least 3.0.

Pennsylvania Higher Education Grant Program
York College of Pennsylvania is a participating institution in the Pennsylvania Higher Education Grant Program (PHEAA Grant). All students applying for institutional financial aid must apply for these funds if they are Pennsylvania residents. Each year application deadlines are announced by the Agency. Students are eligible for up to eight semesters of grant eligibility (in a four-year program). Students must maintain academic progress (a full-time student must pass a minimum of 24 new credits). Students should contact their high school Guidance Office, the Financial Aid Office at the school they are, or will be, attending, or PHEAA, Harrisburg, PA 17102 for further information.

Federal Supplemental Educational Opportunity Grants
York College of Pennsylvania awards Federal Supplemental Educational Opportunity Grants to a limited number of students with exceptional financial need who require these grants to attend college. This program was authorized by the Higher Education Act of 1965 and began its first year of operation in the fall of 1966. The amount of financial assistance students may receive depends on their need.

FEDERAL COLLEGE WORK-STUDY PROGRAM
This program was established by the Economic Opportunity Act of 1964 and was transferred to the United States Office of Education by the Higher Education Act of 1965.

Under the Work-Study Program, full-time students are assigned responsibilities for the full academic year. Students may be employed up to 10 hours per week.

Work-Study has been of particular interest to many students and has become one of the most attractive ways to help in the payment of college expenses. If the assignment to a Work-Study Program should not sufficiently meet the financial needs of a student to attend York College, a “package of aid” (consisting of a combination of work, loan or scholarship) may be awarded in order not to place an undue hardship upon the student or family.
INSTITUTIONAL SCHOLARSHIPS

York College students benefit from over 210 institutional scholarships, most of which come from endowed funds. These scholarships have been established through gifts to York College from alumni, private individuals, corporations, organizations, and foundations.

Some fund guidelines stipulate that preference be given to students who major in particular disciplines, native of certain regions, dependents of employees of sponsoring companies, or qualified recipients in terms of other criteria. Most are available to new and returning matriculated full-time students, and are renewed in subsequent years, contingent upon satisfactory academic progress. Some are available to part-time students. Students must maintain a minimum cumulative GPA of 2.0 to have a scholarship renewed, unless otherwise stipulated.

In order to be considered for institutional scholarships, a student must first submit a properly completed FAFSA (Free Application for Federal Student Aid) within established deadlines. Application forms and details about specific institutional scholarships and deadlines are available from the Financial Aid Office.

Scholarships from which York College students currently benefit include:

Trustee Scholarship

A competitive scholarship of full tuition per year over four years (eight full-time semesters, excluding summers) for ten entering first-time, full-time freshmen who graduated in the top one-fifth of their high school class and attained a combined critical reading and math SAT score of 1210 or higher or a composite ACT score of 29 (optional writing test required). Students must also be U.S. citizens or U.S. permanent residents to qualify. An invitation to spring scholarship competition is sent to those students who meet eligibility requirements. This scholarship will cover the difference between full tuition and government aid or other scholarships. Priority given to candidates who submit completed applications, transcripts, and all required supporting documentation by January 1.

Scholarships will be renewed for up to four years for students who maintain a minimum grade point average of 3.25. One-half of the scholarship will be awarded annually to those maintaining a grade point average of 3.00 to 3.24. Students under disciplinary suspension lose future merit scholarship eligibility.

Valedictorian and Salutatorian Scholarship

A $26,000 scholarship over four years (eight full-time semesters, excluding summers), $6,500 awarded annually for entering first-time, full-time freshmen who were valedictorians or salutatorians of their high schools and have a combined critical reading and math SAT score of 1150 or higher or a composite ACT score of 26 (optional writing test required). Students must also be U.S. citizens or U.S. permanent residents to qualify.

A minimum grade point average of 3.25 is required to renew the scholarship each
year for up to four years. One-half of the scholarship will be awarded annually to those maintaining a grade point average of 3.00 to 3.24. Students under disciplinary suspension lose future merit scholarship eligibility.

*Dean’s Academic Scholarship*

An $18,000 scholarship over four years (eight full-time semesters, excluding summers), $4,500 awarded annually for entering first-time, full-time freshmen who have graduated in the upper two-fifths of their high school class and have a combined critical reading and math SAT score of 1150 or higher or a composite ACT score of 26 (optional writing test required). Students must also be U.S. citizens or U.S. permanent residents to qualify.

For those graduating from a high school that does not rank students, the Admissions Office will determine eligibility based on academic record. A minimum grade point average of 3.25 is required to renew the scholarship each year for up to four years. One-half of the scholarship will be awarded annually to those maintaining a grade point average of 3.00 to 3.24. Students under disciplinary suspension lose future merit scholarship eligibility. Priority is given to candidates who submit completed applications, transcripts, and all required supporting documentation by January 1.

*York County Community Grant*

A $2,000 grant over four consecutive semesters, $500 per semester (excluding summers) for full-time new students with no previous post high school college credits who are residents of York County. The recipient must be a graduate of a York County high school within the past two years. Students may not receive this grant in addition to a York College merit scholarship (Trustee, Valedictorian, Salutatorian, Dean’s, etc.)

Recipients must maintain a minimum 2.0 grade point average in order to continue eligibility.

*Transfer Merit Scholarship*

A $2,000 scholarship per year or $1,000 per semester for full-time transfer students with an earned GPA of at least 3.25 or membership in Phi Theta Kappa while enrolled full-time at the most recently attended regionally accredited Institution.

A minimum grade point average of 3.25 is required to renew the scholarship each year for up to three years (six full-time semesters, excluding summers). One-half of the scholarship will be awarded annually to those maintaining a grade point average of 3.00 to 3.24.

**LOANS**

York College participates in several loan programs:

- Federal Stafford Loan
- Federal Ford Direct Loan
- Federal Nursing Loan
- Federal Perkins Loan
Federal Parent Loan (PLUS)
Federal Graduate PLUS Loan
A variety of Private or “Alternative” Loans

Details of these loan programs are available from the Financial Aid Office.
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INTRODUCTION

For students pursuing a program of study at York College, the catalog is the official guide to the academic standards, policies, and procedures of the institution. It provides essential information and should be used regularly in working with the student’s academic advisor.

The information contained in this catalog applies to individuals entering York College of Pennsylvania in the academic years for which the general catalog is dated. Revisions to the published information may be made during those academic years. The material in the Academic Affairs section clarifies the academic standards, policies, and procedures in effect at the time of publication. Students are reminded of their obligation to comply with these institutional standards. Admission to and attendance at the College are conditional upon compliance with these regulations. Additional information regarding academic matters is available through the Academic Affairs Office, the Advising Office, the Registrar’s Office, and the Records Office.

Students are required to complete the program of study as outlined in the catalog in effect at the time of their admission to that program of study. Although this catalog was prepared on the basis of the best information available at the time of publication, the College reserves the right to change any provisions, regulations, or requirements set forth within, without notice or obligation.

GETTING STARTED

ACADEMIC ADVISING AND STUDENT RESPONSIBILITY

Academic Advising is an essential process in the college setting. Upon entering York College, every matriculated student is assigned an academic advisor who, through experience, professional background and example, is qualified to assist the student in planning the coursework of the program of study, in developing strategies for academic success, and in providing guidance and information in preparation for the student’s career and life goals.

Academic advisors are available to meet with their advisees during their regularly scheduled office hours when the College is in session in the fall and spring semesters or by appointment at other times. In addition, other academic support services are offered through the offices of Academic Affairs, Academic Advising, the Registrar, Records, the Evening Resource Center, Career Development Center, Counseling Services, and the Learning Resource Center.

While Academic Advising assists students in their academic planning, it is ultimately the student’s responsibility to meet the academic requirements for graduation. Each student is expected to meet regularly with his or her advisor to discuss the development
and implementation of a plan of short- and long-term academic goals. *The final responsibility in meeting graduation requirements rests with the student.*

**COURSE SCHEDULING/REGISTRATION**

A schedule of classes for each semester is provided along with a rotation timetable for course registration. Matriculated students register through the online YCP Web for enrollment in the official records of the College.

Newly admitted students for the fall semester are invited to an orientation program in late spring. At this time, new students will meet with an academic advisor and receive an overview of their chosen major and college procedures. New students who attend the orientation will receive a schedule for their first semester by mail within a few weeks of the orientation. New students who are not able to attend the orientation should contact the Registrar’s Office during the summer.

Students who schedule classes and pay their tuition bills prior to the Business Office’s payment deadline will be automatically registered for the semester and placed on instructors’ class rosters.

All newly matriculated students at York College have an “Advisor Hold” placed on their account for their first two semesters of enrollment. This hold prohibits registration for classes until it is released by the academic advisor. The hold is released after the student meets with their advisor to discuss coursework, schedule, and academic progress.

**CREDIT LOAD**

While the regular full tuition permits a student to carry up to 18 credit hours each semester, most students will carry a 15-credit hour load plus physical education. Students with a 3.0 cumulative GPA may register for up to 21 credit hours per semester upon payment of the appropriate additional fees.

Anyone enrolled in more than 18 credits as of the last day to add a class will be billed for those additional credits whether or not the student drops below 19 credits at a future time during the semester. Withdrawal from a course will have no bearing on the student’s financial obligation to the College.

Part-time students may register for a maximum of 11.5 credits per semester. Full-time students must register for 12 or more credits per semester.

**ADVANCED PLACEMENT AND CLEP**

Advanced placement and college credit may be granted to entering students who perform satisfactorily on the College Board Advanced Placement Examinations, the College Level Examination Program (CLEP), American College Testing/PEP examination, or other proficiency tests that have been approved by the dean of Academic Affairs and the chair of the department. Similarly, a student who has matriculated and based on previous experience, training, and background believes that he or she has sufficient knowledge to pass a course by examination may, upon petition to the appropriate department chair, be given a suitable examination for the course desired.

The following regulations apply to students who earn credit and/or advanced standing:
1. The department chair or the student may initiate procedures resulting in credit or advanced standing for a course.

2. College credit will be granted to entering freshmen who earn scores of 3, 4, or 5 on the individual subject tests of the College Board Advanced Placement Examinations.

3. Credit will be granted on CLEP examinations on the basis of the York College of Pennsylvania CLEP Equivalency report available at the Registrar’s Office and the Evening Resource Center. No more than six credits shall be granted for any one of the tests. To obtain credit the student must score above 50 in each test and meet any other requirements specified on the Equivalency report or by the College. Further information can be obtained at the Registrar’s Office or the Evening Resource Center.

4. A course for which credit and/or advanced placement has been granted will be noted on the permanent record and will represent credit for, or a waiver of, a specific course, whichever is appropriate.

5. The maximum number of credits that any one person may earn by advanced placement and/or credit by examination is 60 for the Baccalaureate Degree and 30 for the Associate’s Degree. CLEP examinations may not be scheduled within the final 30-credit residency period.

6. The department chair and dean of Academic Affairs will determine what is a satisfactory score on performance tests used by the College other than the College Board Advanced Placement Examinations, College Level Examination Program, and the American College Testing/PEP examinations.

7. A student wishing to receive credit for previous life experiences must present a portfolio of experiences in writing to the Academic Dean’s Office. The portfolio will then be forwarded to the appropriate department(s) for review and evaluation.

**COURSE PLACEMENT**

Course placement procedures are utilized in mathematics, foreign language, music, and other disciplines to ensure that students have a positive and appropriate learning experience. Initial placement in such courses may be based on high school records, SAT scores, or college-administered test results. Students who believe that they have been incorrectly placed based on these measures should contact the department chair to discuss their concerns.

Students whose proficiency in foreign language, music, etc., qualifies them for placement at advanced levels of study may not receive credit for courses below the level in which they have been placed.

**THE LEARNING RESOURCE CENTER**

For students encountering academic problems with a particular assignment or project, individual and/or small group tutorial assistance beyond the classroom is available in the Learning Resource Center, located in the lower level of the Humanities Center. The Center is open more than 60 hours a week; specific times are publicized and posted at the beginning of each semester, with limited hours in the summer.
The Learning Resource Center offers tutorial assistance to students in writing and mathematics. In addition, the Center coordinates supplemental instruction in certain disciplines as requested by classroom instructors, and offers a full range of study skills assistance for students. Students seeking assistance should contact the Center to schedule an appointment with a member of the professional tutorial staff. Appointments for Learning Resource Center tutoring may also be scheduled online through the Center website. Academic tutoring in other courses is also available, and students may contact the Center for a list of qualified upperclassmen willing to work with students.

**PREMEDICAL/PRE-PROFESSIONAL ADVISING**

For students seeking a career in medicine, dentistry, optometry, or other health professions, The Committee for the Health Professions provides information and advising relative to program requirements and admissions procedures and standards. The Committee can provide assistance to students regarding MCAT and DAT Exams as well as school information and application process. Interested students should contact the Department of Biological Sciences for referral to a member of the Committee.

**PRELAW ADVISING**

Students seeking admission to law school following graduation and/or information and guidance regarding the LSAT or admission procedures to law school may contact the Prelaw Advisory Committee for special support and academic assistance. Interested students should contact the Career Development Center for referral to a member of the Committee.

**STUDENTS WITH DISABILITIES**

York College will not discriminate against any qualified student with a disability or handicap in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. The College will reasonably accommodate the needs of students with a handicap or disability provided such accommodation does not constitute a fundamental alteration of the school’s program of education or otherwise constitute an undue burden. York College is dedicated to serving the needs of its students regardless of handicap or disability by providing a quality learning experience that will prepare graduates for productive roles in society.

Students requesting support or accommodations should meet with the Disability Support Services Coordinator in the Academic Advising Office to provide documentation regarding the nature of their disability and to plan an appropriate strategy for completing their academic requirements.

**ACADEMIC EXPECTATIONS**

**COMMUNICATION STANDARDS**

York College recognizes the importance of effective communication in all disciplines and careers. Therefore students are expected to competently analyze, synthesize,
organize, and articulate course material in papers, examinations, and presentations. In addition, students should know and use communication skills current to their field of study, recognize the need for revision as part of their writing process, and employ standard conventions of English usage in both writing and speaking. Students may be asked to further revise assignments that do not demonstrate effective use of these communication skills.

**ACADEMIC INTEGRITY**

York College’s mission statement stipulates that strict adherence to principles of academic honesty is expected of all students. Therefore, academic dishonesty will not be tolerated at York College. Academic dishonesty refers to actions such as, but not limited to, cheating, plagiarism, fabricating research, falsifying academic documents, etc., and includes all situations where students make use of the work of others and claim such work as their own.

When a faculty member believes a student has committed an act of academic dishonesty, the faculty member must inform the student in writing and then has 10 business days from that written notification to the student to report the incident to the Dean of Academic Affairs and the department chair. Documentation related to instances of academic dishonesty will be kept on file in the student’s permanent record. If the academic dishonesty is the student’s first offense, the faculty member will have the discretion to decide on a suitable sanction up to a grade of “0” for the course. Students are not permitted to withdraw from a course in which they have been accused of academic dishonesty.

Students who believe they have been unjustly charged or sanctioned (in cases involving a first offense) must discuss the situation with the faculty member and have 10 business days thereafter to submit an appeal to Student Welfare Committee through the Dean of Academic Affairs. If an appeal is filed, the Student Welfare Committee will then conduct a hearing to review the charge and/or sanction. In cases of a first offense, the faculty member may request that the Student Welfare Committee conduct a hearing and decide on the sanction, which can involve academic suspension or dismissal from the College, if the faculty member believes the offense to be of an extremely egregious nature.

If the Dean of Academic Affairs determines that the academic dishonesty is the student’s second offense, the dean will provide written notification to the student, the faculty member, and the department chair. The Student Welfare Committee will automatically conduct a hearing to review the charge and decide on an appropriate sanction, which will involve academic suspension or dismissal from the College. Students who believe the Student Welfare Committee has unjustly sanctioned them may submit a written appeal to the Dean of Academic Affairs within 72 hours of receiving notification of the Student Welfare Committee’s sanction.

**ATTENDANCE POLICY**

Students are expected to attend all scheduled class meetings. Class attendance policy, and the impact of class absences on the course grade, will be determined by each course instructor. The class will be informed in writing within the syllabus whether
attendance is used as a criterion in evaluating student performance. The student is responsible for all work of the course unless specifically exempted by the instructor. It is recognized that some absences may be necessary or unavoidable. The student should inform the instructor of the reason for the absence and make up any work that is missed. The responsibility for initiating action to make up work missed in the classroom rests with the student.

EXAMINATIONS

The course instructor determines how students will be evaluated in individual courses and informs the students at the beginning of the semester in the course syllabus.

Final examinations, held during the final examination week, are generally designed to cover the materials discussed during the semester’s coursework. Final exams are generally two hours in length for each course and are administered through a special final exam schedule published each semester. If a student has three or more final exams scheduled on a given day, he or she should contact one of the course instructors to schedule another time during final examination week to take the exam.

GRADING POLICY

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Superior: This grade denotes accomplishment that is truly distinctive and decidedly outstanding. It represents a high degree of attainment and is a grade that demands evidence of originality, independent work, an open and discriminating mind, and completeness and accuracy of knowledge, as well as an effective use of the knowledge.</td>
</tr>
<tr>
<td>3.5</td>
<td>Excellent: This grade denotes mastery of the subject matter. It represents excellence in many aspects of the work, such as initiative, serious and determined industry, the ability to organize work, the ability to comprehend and retain subject matter and to apply it to new problems and contexts.</td>
</tr>
<tr>
<td>3</td>
<td>Good: This grade denotes considerable understanding of the subject matter. It represents a strong grasp and clear understanding of the subject matter and the ability to comprehend and retain course content, but inconsistently applies it to new problems and contexts.</td>
</tr>
<tr>
<td>2.5</td>
<td>Above Average: This grade denotes above average understanding of the subject matter. It represents a limited ability to comprehend and retain course content and apply it to new problems and contexts.</td>
</tr>
<tr>
<td>2</td>
<td>Average: This grade denotes average understanding of the subject matter. It represents the grade that may be expected of a student of normal ability who gives the work a reasonable amount of time and effort.</td>
</tr>
<tr>
<td>1</td>
<td>Below Average: This grade denotes below average understanding of the subject matter. It represents work that falls below the acceptable standard.</td>
</tr>
<tr>
<td>0</td>
<td>Failure: This grade denotes inadequate understanding of the subject matter. It signifies an absence of meaningful engagement with the subject matter.</td>
</tr>
</tbody>
</table>
matter and that the student is not capable of doing or understanding the work or has made little or no effort to do so.

I Incomplete: The student may request permission from the instructor to receive an incomplete prior to the final examination and must present extraordinary reasons for the petition. Any grades of “I” not removed within two calendar months after the end of the semester will automatically be changed to “0” or “F” in the Records Office. Grades of incomplete should only be provided to students who have completed a substantial portion of all course requirements, are in good academic standing in the course when the incomplete is granted, and if the instructor believes the remaining coursework can be completed during the defined period.

W Withdrawal: Students are permitted to withdraw from courses without penalty up to the ninth Friday of the fall or spring semester. Corresponding deadlines are set for all other semesters (e.g., summer sessions).

P Pass: This grade denotes passing in special Pass/Fail courses.
F Fail: This grade denotes failure in special Pass/Fail courses.
AU Audit: This grade indicates that a student is registered for a course but receives no credit.

THE GRADE POINT AVERAGE

The grade point average (GPA) is computed by multiplying the hours of credits in a course by the grade earned for all courses completed and dividing the total number of points by the total number of credit hours attempted.

Example: A student carrying 16 credit hours and receiving for his/her first term’s work the following grades would have a GPA of 2.69.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits/Grade</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st course</td>
<td>3 x 2</td>
<td>= 6</td>
</tr>
<tr>
<td>2nd course</td>
<td>3 x 3.5</td>
<td>= 10.5</td>
</tr>
<tr>
<td>3rd course</td>
<td>3 x 2</td>
<td>= 6</td>
</tr>
<tr>
<td>4th course</td>
<td>3 x 2.5</td>
<td>= 7.5</td>
</tr>
<tr>
<td>5th course</td>
<td>3 x 3</td>
<td>= 9</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1 x 4</td>
<td>= 4</td>
</tr>
<tr>
<td>16 credits</td>
<td></td>
<td>43 Quality Points</td>
</tr>
</tbody>
</table>

Grade Point Average (GPA) = 43/16 = 2.69

INCOMPLETE WORK

A student may request an incomplete grade for a course when illness, family tragedy, or similar extenuating circumstances make it impossible for the student to complete the remaining requirements of the course by the end of the semester. The student should contact the course instructor with this request. At the instructor’s discretion,
a grade of “I” may be granted if the student has completed a substantial portion of all course requirements, is in good academic standing in the course when the incomplete is granted, and if the instructor believes the remaining coursework can be completed during the defined period. All incomplete work must be completed within 60 days from the last day of finals in the semester in which the coursework is taken or the student will automatically receive a grade of “0.” It is the student’s responsibility to contact the instructor and make all the arrangements to complete the coursework within the given time frame.

PASS/FAIL OPTION

York College students may take designated courses on a pass/fail basis. Those courses offered with the pass/fail option will be indicated in the Schedule of Classes brochure prepared each semester. Students may register for a maximum of two pass/fail courses per academic year with a maximum of eight such courses in a student’s undergraduate program. Students may not take courses required in their major or minor field on a pass/fail basis and may not use pass/fail courses to complete General Education requirements (that is, Common Core and Area Distribution Requirements) even if courses are offered in that manner. In addition, a student registered for a 12-credit course load with three credits of pass/fail coursework will not be eligible for Dean’s List recognition.

AUDITING A COURSE

Students or members of the community who wish to audit a course will be accommodated after full-time students have registered for courses. Regulations affecting auditors are: no attendance record is maintained; no assignments are made or papers corrected; no examinations are taken; no course credits are received; and a nominal tuition charge will be made (see Tuition and Fees section). Students cannot audit lab courses, studio courses, non-credit courses, Independent Study, or internships.

REPEATING A COURSE

Any student who has taken a course at York College will be permitted to repeat this course. While both grades will appear on the student’s permanent record, the quality points earned on the basis of the higher grade will be used in the computation of the cumulative grade point average.

Since grades and quality points are not transferred from other institutions, a course may only be repeated at York College.

THE GRADE REPORT

York College issues final grade reports at the end of each semester (December and May) and at the end of each summer semester. These grades are sent to the student’s designated permanent address on file in the Records Office and are entered on the official college transcript in the student’s permanent file in the Records Office. Students may also access their transcript online through MyYCP.
RESIDENCY REQUIREMENT

The college residency requirement policy requires that the final 30 credit hours of a student’s degree requirements be completed as coursework at York College. Because a student should take most of his or her upper-division courses in the major during this time, it is important that these advanced credit hours be completed at the College. Therefore, no transfer credits or CLEP examinations are accepted in the final 30-credit hours of a student’s coursework. Students who are enrolled in the Baccalaureate Completion Program for Registered Nurses are exempt from this requirement.

ACADEMIC SUCCESS

GOOD ACADEMIC STANDING

To be in good academic standing and eligible for continued enrollment, a student must maintain a minimum of a 2.0 cumulative GPA. Students whose cumulative GPA is less than 2.0 are subject to academic probation, academic restriction, academic suspension, or dismissal from the College.

DEAN’S LIST HONORS

At the end of each semester, the Dean of Academic Affairs will publish a list of students for Dean’s List Recognition. To be eligible for this honor, a student must be registered for at least 12 academic credit hours and earn a semester GPA of 3.50 or higher. Pass/fail courses will not be counted as part of the 12-credit course load required for this recognition.

ACADEMIC DIFFICULTIES

WARNING GRADES

Between the seventh and eighth week of the semester, a student whose work in any course is unsatisfactory may receive a warning notice from the course instructor. Unsatisfactory work is defined as that which warrants a grade of less than 2.0. Whether the student receives the warning notice or not, the instructor will submit an official report of the unsatisfactory work and a notice is sent to the person(s) responsible for the student’s financial account, typically parents. Any student who is at least 21 years of age, married, self-supporting, or a veteran may request that warning grades not be sent to parents. Warning grades may be confirmed through the Records Office or the Academic Advising Office. Students who receive such warning grades should meet with their instructor and academic advisor for guidance in improving their grades.

UNSATISFACTORY ACADEMIC WORK

Students’ academic work will be considered unsatisfactory whenever their cumulative GPA is less than 2.0. The academic performance of all students, full- and part-time,
will be reviewed against this standard at the conclusion of each semester to determine whether students in academic difficulty should be allowed to continue on a probationary or restricted basis, should be suspended for one year, or should be dismissed from the College.

For students whose cumulative GPA is less than 2.0, the following academic actions will occur:

- A student who has attempted at least 12 credit hours and whose cumulative GPA is less than 1.60 will be placed on academic probation.
- A student who has attempted at least 24 credit hours and whose cumulative GPA is less than 1.70 will be placed on academic probation, or will be placed on academic restriction if previously on academic probation, or will be placed on academic suspension if previously on academic restriction.
- A student who has attempted at least 36 credit hours and whose cumulative GPA is less than 1.85 will be placed on academic probation, or will be placed on academic restriction if previously on probation, or will be placed on academic suspension if previously on academic restriction.
- A student who has attempted at least 48 credit hours and whose cumulative GPA is less than 2.0 will be placed on academic probation, or will be placed on academic restriction if previously on probation, or will be placed on academic suspension if previously on academic restriction.
- Any student whose cumulative GPA is less than 1.20 or whose semester GPA is less than 0.50 will be placed on academic restriction immediately.

**Academic Probation**

Students placed on academic probation may continue their enrollment at the College, but they will be limited to a maximum of 13 credit hours per semester until their cumulative GPA is 2.0 or higher. While working toward attaining the 2.0 cumulative GPA, students who fail to meet the academic standards for the credit hours attempted as outlined above face restriction or suspension.

**Academic Restriction**

Students placed on academic restriction may continue their enrollment at the College, but they will be limited to a maximum of 13 credit hours per semester. Those students who take six credit hours or more at York College and earn at least a 2.0 overall in those courses will be placed on academic probation (or will be considered to be in good academic standing if they raise their cumulative GPA to at least a 2.0). Students who fail to earn a 2.0 overall in the courses taken during their semester of restriction or who fail to raise their cumulative GPA to meet the GPA standards for the credit hours attempted as outlined above will be placed on academic suspension.

Students placed on academic restriction may take an unlimited number of credit hours at another accredited institution. Those students who take at least six credit hours at another accredited institution during their semester of restriction and earn at least a 2.0 overall in those courses will be placed on academic probation upon their
return to York College. Students will lose matriculation if they are away from York College for more than one semester, thus requiring them to apply for readmission.

**Academic Suspension**

Students placed on academic suspension are prohibited from enrolling in any course at York College for at least one year. In order to resume enrollment at York College, academically suspended students must apply for readmission to the College (official readmission forms are available from the Admissions Office). Those students who take at least six credit hours at another accredited institution and earn at least a 2.0 overall in those courses will be eligible to apply for readmission. Upon readmission, these students will be placed on academic probation. Students who fail to raise their cumulative GPA to meet the GPA standards for the credit hours attempted as outlined above will be dismissed from the College.

**Academic Dismissal**

Students dismissed from the College are eligible to transfer their credits to another college or university to complete a degree, but they are no longer permitted to enroll in courses at York College.

**GRADE APPEAL**

A student contemplating filing a grade appeal understands that consistent with the practice of academic freedom, professors bear responsibility for assigning course grades in accordance with professionally acceptable standards that have been communicated to students verbally or in writing. Students who believe that their final grade in a course does not accurately reflect their performance should appeal their grade directly to the course instructor. A student can appeal a grade until the end of the following semester. Following discussion with the instructor, the student may request a review of his or her grade by the department chair if the student believes his or her concern has not been adequately addressed.

**APPEALS OF ACADEMIC ACTION**

The Student Welfare Committee of the Academic Senate is responsible for making recommendations regarding matters of an academic nature, including criteria for admission, probation and suspension of students, and a review of cases that cannot be properly handled by fixed rules. The Committee may also make recommendations concerning disciplinary action when academic matters are involved, if requested to do so by the Dean of Academic Affairs.

The Student Welfare Committee will review probation, restriction, and suspension appeals following the fall and spring semesters. Students must submit their appeal to the Committee in writing following the schedule described in the notice of probation, restriction, or suspension. Students submitting written appeals may also schedule an appointment to appear at their hearing and present their petition to the Student Welfare Committee in person.
The Student Welfare Committee will also consider written student petitions regarding other academic matters at their regular meetings during the academic year. Students should address their petitions to: Chair, Student Welfare Committee; c/o Office of Academic Affairs.

STUDENT RECORDS

The College maintains the confidential academic records of each student in a centralized location in the Records Office. Academic advisors, counselors, administrators, and department chairs use the Records Office when assisting the students.

Students should consult the Records Office on matters relating to their academic progress and when requesting transcripts. Official transcripts are sent by request when the student has met all financial obligations at York College and has presented written consent to the Records Office. There is a $5 processing fee per official transcript. Matriculated students can print an unofficial transcript through YCP Web.

Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their educational records. They are:

The right to inspect and review the student’s education records within 45 days of the day the College receives a request for access.

Students should submit to the Director of Records written requests that identify the record(s) they wish to inspect. The Director of Records will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

The right to request the amendment of the student’s education records that the student believes are inaccurate or misleading.

Students may ask the College to amend a record that they believe is inaccurate or misleading. They should write the College official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent.

One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the college in an administrative, supervisory, academic or research,
or support staff position (including security personnel and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

**Parental Notification on Student Records and College Matters**

Parental rights of access to educational records depend on the student’s financial status, either dependent or independent. If the adult student is financially independent, parents have no right of access without the student’s consent. If, however, the student is a financial dependent, a parent/guardian’s request for educational records is honored by York College. It is the student’s responsibility to clarify and document his/her financial status and acknowledge acceptance of the College’s disclosure policy upon admission and to update such information via the Records Office.

Parents or legal guardians of financially dependent students will be notified by the Academic Affairs Office/College officials when their son or daughter has been issued warning grades at mid-term. Professors are not required to issue warning grades to students, and some do not. A copy of the final grades will be sent to the designated parent(s)/guardian(s) in addition to the report sent to the student.

Parents or legal guardians of financially dependent students will be notified by the Student Affairs Offices/College officials when their son or daughter has been responsible for a violation of the College’s student code of conduct. Students and parents are encouraged to discuss these disciplinary matters to assist in the attainment of behavioral improvement.

Directory information is distributed without prior consent of the student. Directory information is defined as a student’s name, address, email address, telephone number, date of birth, major field of study, dates of attendance, class year and degree, and awards received. However, students who do not wish such information to be released or made public may inform the Admissions Office, if a new student, or the Records Office, if a returning student, in writing by September 1 for the fall semester or January 15 for the spring semester.

Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by York College of Pennsylvania to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

- Family Policy Compliance Office
- U.S. Department of Education
- 400 Maryland Avenue, S.W.
- Washington, D.C. 20202-4605
MAKING CHANGES

DROP/ADD PROCEDURE
A student may drop and/or add a course online anytime during the first week of classes each fall and spring semester. Checking with the academic advisor about a course schedule change is advisable, as is checking course availability through the Registrar’s Office or the online schedule of classes. The procedure for dropping or adding a class in person involves completion of a Request for Change in Student Record form and submission of this form to the Registrar’s Office or the Evening Resource Center. A course dropped during the first week of class will not show on the permanent transcript. No extensions are granted beyond the Drop/Add deadline. See below for Course Withdrawal.

COURSE WITHDRAWAL
The last day to withdraw from a course during the fall and spring semesters is the ninth Friday of the academic semester in order to avoid a grade penalty. To withdraw from a course, the student must complete a Request for Change in Student Record form in the Records Office. Students may not withdraw from a course on the YCP Web. Failure to attend class or merely giving notice to the course instructor is not considered an official withdrawal. No extensions are granted beyond the withdrawal deadline. Course withdrawal will appear on the permanent transcript as “W.” See Drop/Add above.

CREDIT BY EXAMINATION
Matriculated students may earn course credit by successfully completing an examination that tests mastery of the learning outcomes of a given course. Credit is awarded for successful completion of the examination.

1. Examinations may be permitted at the discretion of the academic department chair.
2. Application for examination should be made in writing to the appropriate department chair on forms available in the Registrar’s Office or Academic Advising Office.
3. If the department chair approves the application, the chair will designate the appropriate instructor who will prepare, administer, and evaluate the examination that is normally not less than three hours in length.
4. A student should not use credit by examination to complete any course required for graduation during the last semester.
5. Credit earned in a course taken by examination, 2 level (“C”) work or better, shall be recorded together with quality points on the permanent record.
6. The maximum number of credits eligible to be earned by credit by examination is 30.
COURSES TAKEN AT OTHER INSTITUTIONS

Students desiring to pursue summer coursework or additional work at another accredited institution must secure written approval from their academic advisor and the Registrar’s Office prior to beginning the work in order for the credits to transfer into York College. Off Campus Study Approval forms to obtain such permission are available in the Registrar’s Office, the Advising Office, and the Evening Resource Center.

In order to receive transfer credit from courses at other accredited institutions, a student must receive a grade of “C” (2.0 on a 4.0 scale) or better. Credit hours for these courses may be transferred, but grades and quality points will not transfer; however, transfer credits will be included in the calculation of graduation honors. Students are reminded that they must complete the last 30 credit hours of their program of study as coursework at York College. In general, if a student wishes to take courses at another institution, it is wise to register for lower-division courses since most majors require students to take their upper-division courses in their major as coursework at York College.

WITHDRAWAL FROM THE COLLEGE

When circumstances indicate that a full-time student must withdraw from the College, he or she must contact the Office of the Dean of Student Affairs for a complete withdrawal from all courses. A student who officially withdraws from the College receives grades of “Ws” on the transcript. A student who ceases attending classes without completing his or her formal withdrawal will receive a grade of “0” in all registered courses. In addition, the student remains responsible for all financial obligations. A student who withdraws before the end of the term or is suspended or expelled receives no refund. In some academic programs, withdrawal might affect a student’s status as maintaining regular progression toward the major.

Part-time students should contact the Registrar’s Office if withdrawing completely from the College. Part-time students should note that withdrawal during or after the first class meeting will not eliminate the obligation to pay any remaining balance. See Tuition and Fees section for refund policy.

WORKING TOWARD A DEGREE

DECLARING OR CHANGING A MAJOR

Students typically declare a major program of study upon admission to York College. However, some students who have not decided on a specific major register as Undeclared and must declare a major later. The Undeclared student is encouraged to discuss interests and goals with his or her academic advisor, professors, or personnel in the Academic Advising Office or Evening Resource Center to assist in identifying a major. In addition, the Career Development Center provides extensive career guidance and self-assessment for those wishing to explore possible fields of study.
College policy requires a student to declare a major at 60 credit hours. If there is a delay in declaring a major or there is a change in major, the time needed to complete degree requirements may be extended. To declare or change a major, a student should contact the Academic Advising Office to complete a Request for Change in Student Record form and an academic advisor will be assigned from the new major. The student must follow all degree requirements in the major at the time the major is declared.

ACADEMIC MINORS

Minors are academic credentials earned by students in an area other than their major. To complete a minor, a student must complete a minimum of 15 credits and a maximum of 20 credits of coursework, which may include both upper- and lower-division courses as defined by the specific requirements of the department offering the minor.

All students completing a minor must earn a cumulative grade point average of 2.0 in these designated courses, and take a minimum of nine credits of coursework in the minor at York College of Pennsylvania to have their minor appear on their transcript.

DECLARING A MINOR/DUPLICATE MAJOR

A student interested in pursuing a minor or a double major should contact the Academic Advising Office and complete a Request for Change in Student Record form. While the student declaring a second major continues to work closely with the academic advisor in the primary major field of study for careful academic planning, it is also important to meet with an academic advisor in the second major to make certain that all degree requirements are fulfilled in the additional major or minor.

GRADUATION

A student expecting to graduate from York College must file a degree application during the final semester on campus. To apply for graduation, a student must complete an Application for Graduation form in the Records Office and pay a graduation fee at the Business Office by September 15 for December graduation, February 5 for May graduation, or by July 15 for August graduation. Every student who intends to graduate MUST complete the application and pay the graduation fee whether or not he/she wishes to participate in the commencement ceremony. Commencement ceremonies are held twice a year in May and December. Students who meet the graduation requirements in August are invited to participate in either the May or December commencement. Graduation regalia are purchased directly from the College Bookstore.

A student may receive only one degree in a given semester. For example, a student may not receive an associate degree and a baccalaureate degree in the same semester. In addition, a student may receive one associate degree and one baccalaureate degree in that order from York College (see Programs of Study section).

To earn a degree awarded in May, a student may complete the final degree requirement by enrolling in the mini-mester session for no more than one academic course and/or physical education course for a maximum of four credits. Students
completing graduation requirements during any other summer sessions will receive their diploma in late August and are invited to participate in the May or December commencement ceremonies. Students graduating in May, August, or December are considered graduates of that calendar year.

Late application for graduation will result in an additional fee and a significant delay in the receipt of the diploma. It is imperative that application for a degree be made by the deadline published each semester.

AWARDING OF A SECOND DEGREE

A student holding an associate or baccalaureate degree from another accredited college may pursue courses at York College leading toward a second degree (either associate or baccalaureate) provided the following conditions are met:

1. The candidate must meet the departmental requirements established for the major as published in the College Catalog. The department chair will review the student’s academic record and indicate the additional courses that will be necessary to complete the degree requirements.

2. The candidate must complete a minimum of the last 30 semester hours of the major at York College.

3. The candidate has applied for and been accepted for admission to York College.

AWARDING OF AN ADDITIONAL MAJOR

A student holding a baccalaureate degree from York College of Pennsylvania may not receive a second degree from the College, but may elect to pursue courses leading toward a second baccalaureate-level major provided the following conditions are met:

1. The student must submit an additional application for admission to the director of Admissions and formally matriculate in the new major.

2. The candidate must meet the departmental requirements as published in the College Catalog. The department chair will review the student’s records and indicate any additional courses that will be required to complete the student’s major requirements.

3. The student must complete the Application for Additional Major available in the Records Office at the beginning of the semester in which the major will be completed. The additional major note will be posted on the transcript at the same time as degree notes are posted. An additional diploma WILL NOT be issued.

4. Students who complete a second major in a discipline associated with a new degree designation may request that the degree designation for their program be revised to reflect the second major. Thus, a student whose original York College degree was a B.A. may request that their degree designation be changed to a B.S. upon completion of a second major in a discipline for which the B.S. degree is granted, or vice versa.
GRADUATION HONORS
Students are eligible for graduation honors based upon their entire academic college record (which includes the previous academic record of transfer students). Transfer students may be eligible for graduation honors after a minimum of 60 credit hours of academic work are completed at York College. Graduation honors will be awarded on the basis of the cumulative GPA of all York College and all previously completed college work. Graduation honors recognized by York College are:

1. Summa Cum Laude: 3.90 or above
2. Magna Cum Laude: 3.70–3.89
3. Cum Laude: 3.50–3.69

Because the fall and spring Commencement ceremonies occur before all of a student’s final semester grades have been tabulated, Graduation Honors published at Commencement will be based on the student’s cumulative GPA prior to their final semester of coursework. However, the Graduation Honors noted on the student’s official transcript will be based on the student’s final cumulative GPA.

SPECIAL LEARNING OPPORTUNITIES

INDEPENDENT STUDY
An Independent Study is a well-defined individual research project supervised by a faculty member and undertaken without formal instruction or meeting times. Such a study affords students an opportunity to conduct in-depth research on a special topic without regular class meetings or formal instruction. While an Independent Study project involves a reduction in formal teaching, effective Independent Study is characterized by an increase in student responsibility and initiative in both research and the learning process.

A student who wishes to apply for an Independent Study project must have completed a minimum of 60 credits with a cumulative GPA of 2.50 or higher prior to application. An application form, available in the academic department, Advising and Registrar’s offices, and the Evening Resource Center, should be completed by the student. The application must include a comprehensive summary describing the nature, objectives, and evaluation format of the study along with approval from the faculty supervisor and department chairperson. Completed forms should be submitted to the Registrar’s Office to be entered on the student’s schedule. The deadline for submitting such applications is the last day of the Drop/Add period.

INTERNSHIP
An internship is an elective educational experience that offers students the opportunity to earn academic credit for experiential learning outside the classroom. Internships are designed to enhance a student’s professional preparation and career opportunities and are available to eligible York College students. To earn academic credit, the
internship must be completed at an approved site where the on-site supervisor has agreed to provide the intern with structured learning experiences that will assist them in achieving specific learning objectives. In addition, the student must complete an Internship Application, including detailed learning objectives for the course, and receive the approval of the Department sponsoring the internship and from the College Internship Coordinator prior to beginning the on-site experience.

Internship Study is available to matriculated students who have earned 60 or more credits and a 2.50 or higher cumulative grade point average at the time of application. A minimum of 120 hours on site is required to earn three internship credits; students are limited to participation in two different internships for a maximum of six credit hours of Internship Study in a baccalaureate program. Internship application forms, available in the Career Development Center or department chairs’ offices, must be completed by the last day of the Drop/Add period for the semester.

SERVICE LEARNING
York College is committed to providing service learning opportunities that will allow students to contribute to the community while obtaining valuable experience and enhanced employment credentials. Volunteer programs at York reflect that students can obtain valuable life experience through service learning and that employers frequently seek graduates who have been constructively involved in their community. Service learning opportunities are available in a variety of organizations and can be selected based on a student’s major or area of academic interest. Students interested in participating in service learning should contact the Career Development Center or Student Activities Office.

FRESHMAN HONORS PROGRAM
This program focuses on the academically motivated student’s first year, as he or she transitions to the college environment. It provides incoming students with a smaller community of students for that very important first year, giving them the basis for finding other supportive student academic and social communities at the college. Students use the program as a base from which to branch out into other areas during their time at York College.

The Freshman Honors Program includes the following features:

Honors Discussion: The heart of the program is a weekly one-credit seminar style, discussion-based course each semester. Together, faculty and students will read, listen, watch, discuss, write, and respond to and challenge each other to develop, think, and create! Previous students of the Honors Program will assist with Honors Discussion, contributing their mentorship to incoming freshmen to the Program.

Enrichment Activities: There are several enrichment activities per semester, including cultural events (special exhibitions, concerts, plays), museums, and dining experiences. Previous enrichment activities included a trip to the National Aquarium in Baltimore, the Maryland Renaissance Faire, the York Symphony, and the Baltimore Museum of Art.
**Academics:** The program provides several advanced freshman-level courses, including Academic Writing and Information Literacy. Additionally, program participants are placed together in other specified regular courses, so that they can continue to build upon the community fostered by the Freshman Honors Program and Honors Discussion. This will not infringe upon courses mandated by declared major programs.

There is a one-credit additional fee for the program, per semester. That fee will cover costs associated with enrichment activities and administration of the Program.

**STUDY ABROAD**

Matriculated students at York College are encouraged to explore the opportunities for academic study in another country as part of their degree program. The College has established special affiliation agreements with the following institutions: York St. John University in York, England; Huron University in London, England; Honam University in Kwangju, Korea; Sophia University in Tokyo, Japan; Ponia Universidad Catolica in Quito, Ecuador; and Cemanahuac Educational Community in Cuernavaca, Mexico. These affiliations allow students to plan a study abroad with the assurance that courses taken at these institutions will be accepted at York College for degree completion. Additional study abroad opportunities are sponsored by other institutions with credits transferred to York College. Informational packets on these programs are also available in the Career Development Office. All students studying abroad must pay a $100 study abroad fee for the semester and complete an Off-Campus Study Approval form. This form must be submitted to the Registrar’s Office prior to the study abroad semester.

**ADULT LEARNER EDUCATION**

For the benefit of adult learners, York College offers a full spectrum of credit courses in the evenings and throughout the summer. In addition, limited offerings are available on Saturdays during the fall and spring semesters. Courses are available to adult students who wish to work toward a degree, including associate, baccalaureate, and master’s, or who wish to continue their education for cultural or vocational reasons.

All courses offered are selected from the College Catalog and are taught by members of the full-time and adjunct faculty. The schedule of offerings is designed to address the educational needs of adult learners who live and work in the surrounding communities. Individuals who are involved in business, education, and industry, and those wishing to broaden their interests in life through college instruction, benefit from the variety of classes and programs available through York College evening and summer courses.

Students are encouraged to earn college credit for these courses, which may be applied toward degree requirements or used to enhance employment opportunities. An individual may enroll in courses as a matriculated or a non-matriculated student, according to York College admission requirements.

**Registration Policy for Part-Time Non-Matriculated Students:** Any individual who wishes to enroll in courses as a part-time, non-matriculated student and who attended high school two years or more preceding the initial proposed date of
attendance at York College must have graduated from an approved secondary school or have earned a state equivalency diploma prior to enrollment at York College. Documentation for GED students must be attached to the course registration form. Individuals who have graduated from high school within two years preceding the initial proposed date of attendance at York College may enroll in courses only if they have been accepted into a degree program at York College or are in good standing at another accredited college or university. The Registrar reserves the right to contact the indicated institution to verify enrollment or acceptance.

All college services are available for evening students, including parking, admission to all home athletic contests, concerts, financial aid, career services, and the use of the Student Union.

The following majors can be completed through evening and Saturday courses:

_Baccalaureate_  
Accounting  
Business Administration  
Computer Information Systems  
Management  
Marketing  
Nursing (RN Completion)

_Master’s_  
MBA  
M.S. Nursing (except CRNA)  
M. Ed.

**EVENING RESOURCE CENTER**

Adult students are encouraged to visit the Evening Resource Center, located in the Campbell Hall lobby, Room 200. The Center is an adult student’s primary resource for information and assistance at York College and is open when classes are in session, Monday through Thursday evenings and Saturday mornings during the fall and spring semesters, and Monday through Thursday evenings during Summer I and Summer II. Telephone: 717-815-1208.

The Evening Resource Center provides the following services and resources to adult students:

Academic advising  
Registration for courses and drop/add  
Payment of tuition and fees  
CLEP information and registration  
Parking stickers  
Many other helpful resources
SUMMER SEMESTERS

Undergraduate and graduate classes are offered during 13 weeks throughout the summer, divided into four sessions. These classes are held during the day and in the evening. The summer classes are given for the following reasons:

1. To accommodate students in good standing at other colleges who desire to obtain credits for transfer to their own institutions.
2. To assist continuing students who desire to accelerate their program toward early graduation without the pressure of a full-day schedule.
3. To provide an opportunity for students to make up work in courses for which their performance fell below acceptable standards.
4. To provide an opportunity for high school graduates who wish to enroll in college courses before beginning their first semester in August or September.
5. To facilitate the program of part-time matriculated students who wish to further their program through summer study.
6. To enable those high school students who have completed their junior year and who are recommended by their high school principal or high school guidance counselor to begin college studies.

All college services are available to summer students, including parking, library services, scheduled summer activities using the gymnasium and swimming pool, residence facilities, advising and counseling services, and the use of the Iosue Student Union.

Summer courses are of the same quality and number of class hours as those in the academic year and most are taught by full-time faculty members. Students may enroll in up to four credits during the mini-semester and up to a maximum of seven credits during Summer I or Summer II.

Brochures are provided for both the evening and summer semesters. They may be obtained by either writing or calling:

Registrar’s Office
York College of Pennsylvania
York, PA 17403-3651
Phone: (717) 815-1273

OFFICE OF COMMUNITY EDUCATION

York College offers a variety of non-credit, technical, healthcare, professional, and personal development programs focused on company or professional-specific needs. These courses and selected credit courses are available on-site or on campus.

Through the Glatfelter Telecommunications Center, the Office of Community Education has the capability to send and receive programs around the world. Included is the ability to produce, edit, and complete a video program.

Funded programs focused on education, training and employment are developed and operated through the services of the Office of Community Education. These programs are generally formed in partnership with business and industry.
Information regarding the Office of Community Education and how it can help your business may be obtained by phone, fax, email, or in writing:

Office of Community Education
York College of Pennsylvania
York, PA 17403-3651
Telephone: (717) 815-1451
Fax: (717) 849-1628
email: oced@ycp.edu
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INTRODUCTION

York College is dedicated to serving the needs of its students by providing a quality learning experience that prepares graduates for productive roles in society. At York, we believe the collegiate experience for students should facilitate both intellectual and personal growth, and encourage the development of lifelong learning skills. In support of this philosophy, the College offers a program of studies that provides over 50 degree options in baccalaureate disciplines, plus associate degree and minor programs.

SATISFYING PROGRAM REQUIREMENTS

Students are reminded of their responsibility to monitor degree program requirements and to plan their schedule of courses according to the degree program requirements in effect at the time of their matriculation into the academic program. Students should work with their academic advisors when planning or changing schedules and should contact the Office of Academic Advising or the Registrar if they have questions or concerns regarding program requirements. While academic advisors and other staff make every effort to be conscientious and informed, the student has a personal responsibility for ensuring that all graduation standards and requirements will be met during their program of study.

BACCALAUREATE DEGREE REQUIREMENTS

Specific requirements and recommended curricula for each baccalaureate degree program are described in the Departmental Programs section of this chapter. The general requirements for earning a baccalaureate degree at York College, which apply to all departmental bachelor’s degree programs, are:

1. Successful completion of at least 124 credit hours and matriculation in a specific academic program. To satisfy the College’s residence requirement, the last 30 of these credits must be earned at York College.

2. Achievement of a cumulative grade point average of 2.0 or higher. In certain majors, a higher minimum grade point average may be required for degree completion.

3. Successful completion of the designated program requirements for a specific major and achievement of the appropriate grade point average in the major as specified by the departmental curriculum in the Departmental Programs section of this chapter.

4. Completion of the General Education Requirements for baccalaureate majors and achievement of the appropriate grade point average in these courses as specified in the General Education section of this chapter.
At the beginning of the semester in which the student hopes to complete all degree requirements, the student must submit an application for a degree. This application should be obtained from, and returned to, the Records Office during the first three weeks of the semester.

ASSOCIATE DEGREE REQUIREMENTS

Specific requirements and recommended curricula for each degree program are described in the Departmental Programs section of this chapter. The general requirements for earning an associate degree at York College, which apply to all departmental associate degree programs, are:

1. Successful completion of at least 62 credit hours and matriculation in a specific academic program. To satisfy the College’s residency requirement, the last 30 of these 62 credits must be earned at York College.

2. Achievement of a cumulative grade point average of 2.0 or higher. In some associate degree majors, a higher minimum grade point average may be required for degree completion.

3. Successful completion of the designated program requirements of a specific major and achievement of the appropriate grade point average in designated courses in the major as specified by the departmental curriculum in the Departmental Programs section of this chapter.

4. Completion of the General Education Requirements for associate degree majors and achievement of the appropriate grade point average in these courses as specified in the General Education section of this chapter.

At the beginning of the semester in which the student hopes to complete all degree requirements, they must submit an application for a degree. This application should be obtained from and returned to the Records Office during the first three weeks of the semester.

GENERAL EDUCATION REQUIREMENTS FOR BACCALAUREATE DEGREE PROGRAMS:

All baccalaureate degree candidates must complete the Common Core Requirements, Area Distribution Requirements, and General Education Elective Requirements for the General Education program as described below. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

COMMON CORE REQUIREMENTS

Courses in the common core of study must be completed with a minimum grade of 2.0. Based on previous educational performance, students may be required to complete additional courses in the core to achieve the required level of competency in each area, or they may be exempted through the admissions placement or credit by examination process. The mathematics requirement may be satisfied by the completion of MAT111, or a higher-level mathematics course.
WRT102 Analytical Reading and Writing (3 credits):
This course will provide students with guided practice in the types of analytical reading necessary for mature academic writing and for success in upper-division courses in all disciplines. Students will learn strategies for summarizing and analyzing complex reading materials, and for incorporating reading material into their own writing. They will also analyze similarities and differences in various academic styles, develop processes for producing thoughtfully revised prose, and practice standard conventions of the academic writing.

WRT202 Academic Writing (3 credits):
Building upon the skills learned in WRT102, this course provides students with guided practice in writing academic papers and in using their research toward public modes of writing. Students will learn techniques crucial to the writing required in upper-division courses and future careers: focusing a topic and line of inquiry; developing and following a research plan; incorporating researched materials into a scholarly argument; developing a consistent and appropriate style; and revising carefully to produce polished documents. Prerequisite: WRT102 with a grade of 2.0 or higher. Students are required to complete WRT202 within the first 45 credits of their program of study.

CM104 Human Communication (3 credits):
This course will help students learn to use and evaluate effective communication behaviors. By using and analyzing the techniques of intrapersonal, interpersonal, small group, organizational, public, and mass communication, students will obtain the basic competencies required for successful verbal and non-verbal communication.

MAT111 Critical Thinking and Problem Solving in Mathematics (3 credits):
This course will emphasize the use of mathematics to solve problems and will present situations where students develop critical thinking skills. Topics may include problem-solving strategies, symbolism and algebra, functions and relations, geometry, discrete mathematics, probability and statistics, and deductive proof.

IFL101 Information Literacy (2 credits):
The goal of this course is to assist students in developing skills that will enable them to function as information-literate individuals capable of using and applying current information technology. Students in this course will learn to determine when information is required, and will develop skills in acquiring information using library resources and computer technologies. Students will learn effective searching, evaluation of information, and use of the Internet. They will also discuss the implications of living in a digital society.
**PE Physical Education Courses (2 credits):**

Physical education courses are either 1/2 credit (half of a semester), one credit, or two credit hours. Two credit hours of physical education are required for graduation, and students should select the course or courses of their choice to fulfill this requirement.

**AREA DISTRIBUTION REQUIREMENTS**

Each student must select courses to satisfy the following Area Distribution Requirements from the list developed by the department and approved by the Academic Programs Committee (see below). A minimum of 12 credits must be at the 200 level or above. Courses may not be taken on a pass/fail basis.

**Area I: Fine Arts and Humanities (6 credits)**

**Area II: Social and Behavioral Sciences (6 credits)**

**Area III: Laboratory Sciences (6-8 credits)**

**Area IV: American Civilization/Government; Western Civilization (6 credits)**

**Area V: International Studies/Foreign Language:**

(6 credits in one of these two areas of study; if language is selected, both courses must be in the same language)

**COURSES THAT WILL SATISFY AREA DISTRIBUTION REQUIREMENTS:**

Courses that can be used to satisfy the Area Distribution Requirements of the General Education program have been developed by individual departments and approved by the Curriculum Committee of the Academic Senate. These courses are marked in the Course Descriptions chapter of this catalog, and are presented by course code in the list below.

**Area I: Fine Arts and Humanities:**

Programs of Study


Area II: Social and Behavioral Sciences:


Area III: Laboratory Sciences:

BIO110, BIO112, BIO120, BIO122/212, BIO124, BIO128, BIO150, BIO152, BIO206, BIO208, BIO210, BIO214, BIO216, BIO220, BIO222, BIO230, BIO232, BIO240, CHM102/202, CHM114, CHM116, CHM122, CHM134, CHM136, CHM146, CHM234, CHM236, ESS152, ESS154, PHY110, PHY112, PHY160, PHY162, PHY260, PHY262, PSC152, PSC154

Area IV: Western Civilization, American Civilization, and American Government:

H121, H122, H219, H220, H221, H222, PS141, PS142

Area V: International Studies/Foreign Language:

GENERAL EDUCATION ELECTIVES

Students must complete a minimum of 12 elective credits. These elective courses may be used to complete a minor, but no more than six credits of electives may be satisfied by physical education activity courses.

GENERAL EDUCATION REQUIREMENTS FOR ASSOCIATE DEGREE PROGRAMS:

All associate degree candidates must complete all courses in the Common Core Requirements (WRT102, WRT202, CM104, MAT111, IFL101, Physical Education), and achieve a grade of 2.0 or higher in each course. In addition, associate degree candidates will complete a minimum of three credits in each distribution requirement area, and two of the five courses completed must be at the 200 level or above.

ACADEMIC MAJORS

MASTER’S DEGREE PROGRAMS:

Master of Business Administration
Master of Education
Master of Science in Nursing

BACCALAUREATE DEGREE PROGRAMS:

Accounting
Behavioral Science
Biology
Business Administration
Chemistry
Clinical Laboratory Science
Computer Engineering
Computer Information Systems
Computer Science
Criminal Justice
Economics
Elementary Education
Elementary Education / Special Education
Secondary Education: Biology
English
General Science
Mathematics
Social Studies
Electrical Engineering

Engineering Management
English Literary Studies
Entrepreneurship
Finance
Fine Arts
Forensic Chemistry
General Music Education (K-12)
Graphic Design
History
International Relations
Management
Marketing
Mass Communication
Mathematics
Mechanical Engineering
Music (B.A.)
Music (B.S. with Studies in Music Industry and Recording Technology)
Nuclear Medicine Technology
Nursing
Philosophy
Political Science
Professional Writing
Psychology
Public Relations
Recreation and Leisure Administration
Respiratory Care
Self-Designed Major
Sociology
Spanish
Speech Communication
Sport Management
Theatre

ASSOCIATE DEGREE PROGRAMS:

Biology
Business Administration
Chemistry
Criminal Justice
Fine Art
General Studies
Healthcare Coding
Mass Communication
Music
Physics
Political Science
Respiratory Care

ACADEMIC MINORS

The academic departments have developed a number of programs leading to an academic minor. All students completing a minor must earn a cumulative grade point average of 2.0 or higher in these designated courses, and take a minimum of nine credits of coursework in the minor at York College of Pennsylvania to have their minor appear on their transcript. The minor must be declared on the baccalaureate degree application and will be verified by the department chair at the time of graduation. Courses used to complete a minor may not be taken on a pass/fail basis. A minor consisting of 15 to 20 credit hours may be obtained in the areas listed below:

Accounting
Advertising
African and African-American Studies
American History
Anthropology
Applied Youth Development
Art History
Biology
Business Administration
Chemistry
Computer Science
Creative Writing
Criminal Justice
Criminalistics

Economics
Entrepreneurial Studies
Film Studies
Finance
Fine Art
French
Geography
German
Gerontology
Hospitality Marketing
Human Resource Management
Human Services
Information Systems
International Business
International Management
International Studies
Leadership and Organization
    Development
Literary Studies
Management
Marketing
Marketing Communication
Marketing Management
Mathematics
Music
Music Industry
Operations Management
Philosophy
Photography
Physics
Political Science
Professional Writing
Psychology
Public Administration
Public Relations
Quantitative Management
Religious Studies
Retailing
Sociology
Spanish
Special Education
Speech Communication
Theatre
Visual Communication
Women’s and Gender Studies
World History

DEPARTMENTAL PROGRAMS AND REQUIREMENTS

The programs of study offered at York College are provided through the College’s 10 academic departments:

<table>
<thead>
<tr>
<th>Department</th>
<th>Office:</th>
<th>Chairperson:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Behavioral Sciences</td>
<td>LS315D</td>
<td>Dr. Joshua Landau</td>
</tr>
<tr>
<td>Biological Sciences</td>
<td>LS206A</td>
<td>Dr. Ronald Kaltreider</td>
</tr>
<tr>
<td>Business Administration</td>
<td>BA201</td>
<td>Dr. Mary Meisenhelter</td>
</tr>
<tr>
<td>Education</td>
<td>A310A</td>
<td>Dr. Michael McGough</td>
</tr>
<tr>
<td>English &amp; Humanities</td>
<td>HUM160</td>
<td>Dr. Gabriel Abudu</td>
</tr>
<tr>
<td>History &amp; Political Science</td>
<td>HUM101</td>
<td>Dr. Peter Levy</td>
</tr>
<tr>
<td>Music, Art, Communication</td>
<td>MAC206A</td>
<td>Dr. Brian Furio</td>
</tr>
<tr>
<td>Nursing</td>
<td>MKN138</td>
<td>Dr. Jacquelin Harrington</td>
</tr>
<tr>
<td>Physical Sciences</td>
<td>C211A</td>
<td>Dr. David Kaplan</td>
</tr>
<tr>
<td>Schmidt Library</td>
<td>L204</td>
<td>Prof. Susan Campbell</td>
</tr>
</tbody>
</table>
Bachelor of Science Degree in Behavioral Sciences

The Behavioral Sciences major offers a multidisciplinary approach to the study of human behavior. All students in the major must complete a core of courses designed to expose them to the concepts, theories, and research methodologies used in the behavioral sciences. Beginning in the sophomore year, students, in conjunction with their academic advisors, elect to concentrate in one of four areas. Behavioral Science majors cannot have a dual major with Sociology. The area selected will depend upon the student’s future career or academic aspirations.

The four concentration areas are:
- Anthropology
- Applied Behavioral Sciences
- Gerontology
- Human Services

The major is designed for students who either want to work in a socially oriented occupation or desire the ability to combine behavioral sciences with other applied disciplines.

Requirements for Graduation:

To be eligible for graduation, students majoring in Behavioral Science must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis, and credits earned in WRT100 may not be applied to degree requirements. Students majoring in Behavioral Sciences may not receive more than one in the major core requirements. In addition, 18 credit hours within the major must be taken from the York College Behavioral Science major holdings, in residence, and students must maintain a 2.0 average. Students will also be required to complete a standardized outcomes assessment test. With the exception of the Anthropology concentration, a Behavioral Science major may not minor in Sociology. Students with an Anthropology concentration may minor in Sociology if they take five Sociology courses outside the Behavioral Science core. Students with a concentration in Human Services may not minor in Human Services, and students with a concentration in Gerontology may not minor in Gerontology.

The required courses for the Behavioral Sciences major are:

A core of seven courses (21 credits) will be required of all Behavioral Science majors. These courses will expose students to the concepts and theories of the behavioral
Programs of Study

sciences and deliver the knowledge and experience necessary for either academic or applied research. The courses in the core will be:

SOC100  Introduction to Sociology  
PSY100  General Psychology  
SOC335  Research Methodology  
SOC336  Statistics/Research Methodology II  
BEH490  Behavioral Science Seminar

One of the following:

ANT220  Cultural Anthropology  
ANT210  Physical Anthropology

One of the following:

SOC230  Development of Sociological Theory  
SOC235  Contemporary Sociological Theory  
PSY243  Social Psychology

Behavioral Science Concentration Areas

Majors will select from one of four possible concentration areas:

- Anthropology
- Applied Behavioral Sciences
- Gerontology
- Human Services

Each concentration area is composed of six or seven courses (18-21 credits). Students will also be required to complete 15 credits of Behavioral Science electives. Thus, the major will require 54-57 credits of coursework.

Anthropology (21 credits)

Three required courses:

ANT220  Cultural Anthropology  
ANT210  Introduction to Physical Anthropology  
ANT325  Culture and Personality

Any four of the following:

ANT230  Archaeology  
ANT300  Food and Culture  
ANT 302  Applied Anthropology  
ANT310  Advanced Physical Anthropology  
ANT330  Anthropology and Religion  
ANT350  Anthropology of Aging  
ANT390  Selected Topics in Cultural Anthropology
ANT 392  Anthropology and Medicine
BEH495-496  Internship in Anthropology

*Applied Behavioral Sciences (18 credits)*

*Four required courses:*

SOC340  Urban Sociology
SOC355  Program Design and Evaluation
SOC410  Population Trends
SOC415  Grant Writing for Nonprofit Agencies

*One of the following:*

SOC310  Sociology of Organizations
PSY363  Industrial and Organizational Psychology
OBD325  Organizational Behavior

*One of the following:*

MKT100  Principles of Marketing
MGT150  Principles of Management

*Gerontology (18-21 credits)*

*Five required courses:*

BEH495  Internship
GER215  Social Aspects of Aging
GER312  Psychological Aspects of Aging
GER316  Ethical Aspects of Aging
GER410  Clinical Aspects of Aging

*One or two of the following:*

ANT350  Anthropology of Aging
BIO106  Introduction to Body Structure and Function
BIO112  Fundamentals of Human Biology
GER320  Working with Older Adults
GER330  Death, Dying, and Bereavement
GER390/391/392  Selected Topics in Gerontology
GER498/499  Gerontology Independent Study
H300  Oral History: Techniques and Research
HCC225  Healthcare Insurance Reimbursement
MGT150  Principles of Management
MKT100  Principles of Marketing
NUR201  Human Development and Health Care
PS151  Introduction to Public Administration
REC101  Recreation and Leisure in Modern Society
REC400  Therapeutic Recreation and Aging
RT105  Medical Terminology for Health Care Professionals
SOC225/WGS225  The Family
SOC240  Theory and Policy for the Human Services Professional
SCO345  Human Service Techniques
SOC415  Grant Writing for Nonprofit Agencies

**Human Services (21 credits)**

*Five required courses:*

SOC240  Theory and Policy for the Human Services Professional
SOC355  Program Design and Evaluation
SOC345  Human Services Techniques
SOC415  Grant Writing for Nonprofit Agencies
BEH495  Internship

*One of the following:*

PSY221  Child and Adolescent Development
GER312  Psychological Aspects of Aging

*One of the following:*

SOC305  Working with Children and Youth
GER320  Working with Older Adults
CJA110  Juvenile Delinquency (with permission of instructor)

**Behavioral Science (suggested course sequence)**

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Critical Thinking/Prob. Solv. Math</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
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<tr>
<td>Physical Education</td>
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<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Anthropology</td>
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<tr>
<td>Academic Writing</td>
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</tr>
<tr>
<td>Behavioral Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Sociological Theory</td>
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<tr>
<td>Area III Distribution Requirements</td>
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<tr>
<td>Concentration Course</td>
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<tr>
<td>Elective Courses</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
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</table>
### Bachelor of Science Degree in Criminal Justice

The Criminal Justice curriculum is designed to: (1) provide students with a basic understanding and comprehensive overview of the criminal and juvenile justice systems and security/asset protection field; (2) encourage a theoretical and informed inquiry into justice and security practices and policies; (3) develop introductory skills in research methodology and statistics; and to (4) prepare students for professional careers in criminal justice and private security as well as to provide a foundation for the advanced study of criminal justice, law, or other graduate studies.

Experiential learning (internship) opportunities are available with various agencies within the criminal justice system. Experiential learning is arranged through the Criminal Justice faculty. The application process must be completed prior to the semester when the experiential learning is to commence.

### Requirements for Graduation:

To be eligible for graduation, students majoring in Criminal Justice must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Criminal Justice must maintain a 2.0 average in all required courses, and will be required to complete a standardized outcome assessment test. Students cannot have more than two Criminal Justice courses with a grade less than 2.0.

<table>
<thead>
<tr>
<th></th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Junior Year</strong></td>
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<tr>
<td>Social Psychology</td>
<td>3</td>
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<tr>
<td>Research Methodology I</td>
<td>3</td>
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<tr>
<td>Statistics/Research Methodology II</td>
<td>3</td>
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<tr>
<td>Concentration Courses</td>
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<td>Behavioral Science Electives</td>
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<td>Area V Distribution Requirement</td>
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<tr>
<td>Electives Courses</td>
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<td><strong>Total</strong></td>
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</table>

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
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<td><strong>Senior Year</strong></td>
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<tr>
<td>Concentration Courses</td>
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<tr>
<td>Behavioral Science Electives</td>
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<tr>
<td>Area V Distribution</td>
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<tr>
<td>Behavioral Science Seminar</td>
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</tr>
<tr>
<td>Electives Courses</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>30</td>
</tr>
</tbody>
</table>
The required courses for all Criminal Justice majors are:

- PSY100 General Psychology*
- SOC100 Introduction to Sociology*
- SOC200 Criminology
- CJA101 Introduction to Criminal Justice*
- CJA110 Juvenile Delinquency
- CJA203 Ethical Issues in Criminal Justice
- CJA295 Criminal Justice Research Methods I*
- CJA302 Criminal Law
- CJA334 Policing in America
- CJA336 Judicial Process
- CJA337 Punishment/Corrections
- CJA360 Experiential Learning in Criminal Justice
- CJA396 Criminal Justice Statistics*
- CJA491 Senior Seminar

In addition, students must select a minimum of nine credits from the 300/400 level Criminal Justice electives listed below:

- CJA303 Gender and Crime
- CJA304 Legal Standards Asset Protection
- CJA305 Criminal Investigation
- CJA310 Victimology
- CJA311 Crime Prevention and Physical Security
- CJA323 Fire and Explosion Investigation
- CJA341 Criminal Procedure
- CJA347 Community Based Corrections
- CJA348 Juvenile Justice
- CJA349 Comparative Criminal Justice
- CJA362 Crime Scene Processing
- CJA364 Policing Communities
- CJA380 Special Topics in Criminal Justice
- CJA383 White Collar Crime
- CJA386 Death Investigation
- CJA401 Security Planning and Supervision
- CJA403 Conflict Analysis and Management
- CJA405 Substance Abuse and the Criminal Justice System
- CJA498 Independent Study

* A grade of 2.0 or higher is required.
Criminal Justice (suggested course sequence)

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
<td>3</td>
</tr>
<tr>
<td>Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethical Issues in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Justice Research Methods I</td>
<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area III Distribution Requirements</td>
<td>6-8</td>
</tr>
<tr>
<td>Criminal Justice Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30-32</strong></td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Criminology</td>
<td>3</td>
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<tr>
<td>Area IV Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Free Electives</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>Policing in America</td>
<td>3</td>
</tr>
<tr>
<td>Judicial Process</td>
<td>3</td>
</tr>
<tr>
<td>Punishment and Corrections</td>
<td>3</td>
</tr>
<tr>
<td>Experiential Learning in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Justice Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Justice Electives</td>
<td>6</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>16-18</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31-33</strong></td>
</tr>
</tbody>
</table>
**Bachelor of Science Degree in Psychology**

The Psychology major at York College of Pennsylvania is designed to provide students with the necessary background to pursue a number of professional careers within and related to psychology. Core and Area Requirements have been designated to provide the integral background for further educational and professional growth. Electives, both within and outside the psychology field, allow the student to concentrate on his or her individual career goals and needs.

The selection and sequencing of these courses must be done with the advisement of the Psychology faculty. The Psychology faculty are prepared to assist each student in preparing for his or her career and graduate school goals. It is important that each Psychology major meet with an advisor at least once a semester. A program advising guide is available from advisors or is available online at http://faculty.ycp.edu/~cstrassl/Advising/Advising%20guides.htm. Students who wish to declare Psychology as a major after the first semester of the freshman year must see the Psychology Program Coordinator before scheduling courses. Contact the Administrative Assistant for Behavioral Sciences Department (717) 815-1375 to be connected with the Psychology Coordinator.

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Psychology must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, complete the General Education Requirements of the College and complete graduating outcome assessments. Courses used to complete General Education Requirements may not be taken on a pass/fail basis. No more than two courses in the major may be completed with a grade of 1.0 or lower.

**Requirements for Major/Minor in Psychology:**

1. To complete a major in Psychology, a minimum of 24 credit hours, including PSY370, PSY472, PSY490, and 15 credits of Psychology courses at the 200 level or above must be completed at York College.
2. A minor in Psychology requires 18 credit hours; a minimum of 12 credit hours must be completed at York College.
3. 100-level or 200-level transfer courses in Psychology cannot be used to satisfy 300- or 400-level Psychology course requirements. These courses will be transferred as free electives.
4. Child and Adolescent Development (PSY221), Adult Development (PSY222), Abnormal Psychology (PSY230), and Psychological Aspects of Aging (PSY312) do not satisfy Psychology major requirements and will be given credit as free electives.
5. 12 free elective credits must be outside the major area of Psychology.
6. Psychology majors who have a Special Education minor should take PSY365 Psychological Testing instead of SPE364 Educational Assessment.
7. No more than two courses in the major may have a grade of 1.0 or lower.
The required courses for all Psychology Majors are:

**PSYCHOLOGY CORE REQUIREMENTS**

PSY100 General Psychology  
PSY200 Essential Skills and Tools in Psychology  
SOC100 Introduction to Sociology  
PSY270 Design and Analysis I  
PSY271 Design and Analysis II  
PSY370 Design and Analysis III  
PSY472 History and Systems  
PSY490 Psychology Seminar

**PSYCHOLOGY AREA REQUIREMENTS**

PSY210 Fundamentals of Biopsychology  
PSY243 Social Psychology  
PSY307 Cognitive Psychology  
PSY321 Developmental Science  
PSY330 Adult Psychopathology

The following are the Psychology electives. These courses are designed to assist the students in meeting their career goals. A minimum of three courses (nine credit hours) must be completed in Psychology electives. Students are to confer with their advisor concerning these courses. Please see the prerequisites for each course.

PSY227 Psychology of Exceptional Children  
PSY309 Theories of Learning  
PSY310 Brain and Behavior  
PSY331 Child Psychopathology  
PSY354 Sensation and Perception  
PSY363 Industrial and Organizational Psychology  
PSY365 Psychological Testing*  
PSY375-399 Special Topics in Psychology*(Topics vary as available, individual topics are offered infrequently.)  
PSY381 Adult Psychopathology and the Media  
PSY421 Psychology Cooperative Internship**  
PSY422 Psychology Cooperative Internship**  
PSY431 Senior Teaching Practicum***  
PSY432 Senior Teaching Practicum***  
PSY440 Personality  
PSY441 Counseling Theories in Psychology  
PSY498 Independent Study in Psychology****  
PSY499 Independent Study in Psychology****

*Psychology majors who have Special Education minors should take PSY365 instead of SPE364.  
**A maximum of six credits is permitted for internship.  
***A maximum of two credits is permitted for senior teaching practicum.  
****A maximum of six credits is permitted for independent study in Psychology.
## Psychology Major (suggested course sequence)

### Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Semester</td>
<td></td>
</tr>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Critical Thinking and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>2nd Semester</td>
<td></td>
</tr>
<tr>
<td>Essential Skills and Tools of Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Area Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Choose <strong>one</strong> of the following:</td>
<td></td>
</tr>
<tr>
<td>Social Psychology</td>
<td>3 or</td>
</tr>
<tr>
<td>Fundamentals of Biopsychology</td>
<td>3 or</td>
</tr>
<tr>
<td>Psychology of the Exceptional Child</td>
<td>3</td>
</tr>
</tbody>
</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design and Analysis I and II</td>
<td>6</td>
</tr>
<tr>
<td>Psychology Area Requirements and/or Electives</td>
<td>9</td>
</tr>
<tr>
<td>Area Distribution Requirements</td>
<td>12-13</td>
</tr>
<tr>
<td>Free Electives</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
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</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design and Analysis III</td>
<td>3</td>
</tr>
<tr>
<td>Psychology Area Requirements and/or Electives</td>
<td>9</td>
</tr>
<tr>
<td>Area Distribution Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Free Electives</td>
<td>12-13</td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>History and Systems of Psychology</td>
<td>3 (1st semester)</td>
</tr>
<tr>
<td>Psychology Seminar</td>
<td>3 (2nd semester)</td>
</tr>
<tr>
<td>Psychology Elective</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>15-16</td>
</tr>
<tr>
<td>Area Distribution Requirement</td>
<td>6-7</td>
</tr>
</tbody>
</table>

**Total Credits:** 30-32
When selecting courses: Please consult the Psychology curriculum worksheet which was in effect when you declared the Psychology major, meet with your academic advisor, and review the advising guides available at http://faculty.ycp.edu/~cstrassl/Advising/Advising%20guides.htm.

**Bachelor of Science Degree in Recreation and Leisure Administration**

The Bachelor of Science Degree in Recreation is accredited by the National Recreation and Park Association Council on Accreditation.

**Recreation and Leisure Administration Mission Statement:**

The Recreation and Leisure Administration Program at York College of Pennsylvania is designed to provide students with the necessary background to pursue a variety of professional careers within and related to the field. Core and Area Requirements have been designed to provide the integral background for further educational and professional growth. Electives, both within and outside the Recreation and Leisure Program, allow the students to concentrate on their individual career goals and needs.

**Recreation and Leisure Administration Program Goals**

The faculty of the Recreation and Leisure Administration Program intends that graduates of the Program will:

a. Demonstrate the knowledge of Recreation and Leisure Administration needed to successfully pursue graduate education in the field;

b. Possess the technical and conceptual skills required for entry-level professional careers in Recreation and Leisure service occupations;

c. Be successful in utilizing their degree to obtain the appropriate certification for their emphasis area within the recreation and leisure field;

d. Demonstrate leadership skills required for successful career advancement in recreation and leisure service occupations.

Two areas of emphasis are available. The Community Recreation emphasis is geared toward professional preparation for careers in federal, state, and local public recreation and park agencies, private and voluntary agencies, armed forces, industrial recreation, commercial recreation, church recreation, and travel and tourism. Flexibility within this option will permit students to focus on a specific type of agency or setting. The Therapeutic Recreation emphasis prepares students for careers in health care and human service programs that serve individuals with disabilities. Examples include hospitals, treatment centers, specialized schools/camps, and long-term care facilities.

Upon successful completion of all college and certification requirements, graduates with a Therapeutic Recreation emphasis are eligible to apply to take the examination for certification as a Certified Therapeutic Recreation Specialist from the National Council for Therapeutic Recreation Certification. Graduates with either emphasis are eligible to apply to take the examination as a Certified Park and Recreation Professional through the National Certification Board.
The selection and sequencing of courses should be done through advisement by the Recreation and Leisure Administration faculty. Majors should see their advisor each semester.

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Recreation must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education requirements of the College. Courses used to complete General Education requirements may not be taken on a pass/fail basis.

In addition, students majoring in Recreation must earn a 2.0 or higher in each of the major requirements, and may be required to complete a standardized outcomes assessment test.

**The required courses for all Recreation and Leisure Administration students are:**

- PSY100 General Psychology
- SOC100 Introduction to Sociology
- REC101 Recreation and Leisure in Modern Society
- REC103 Leadership and Group Dynamics
- REC210 Recreation Programming
- REC221 Experiential Learning in Recreation
- REC311 Introduction to Therapeutic Recreation
- REC421-423 Directed Field Experience in Community Recreation and Leisure (9 credits) **OR**
- REC425-427 Directed Field Experience in Therapeutic Recreation and Leisure (9 credits)
- REC450 Recreation Administration
- REC491 Seminar in Recreation and Leisure

**Community Recreation Emphasis**

- REC333 Organizing Community Recreation
- REC401 Management of Recreation and Park Facilities

**Selected Elective**

Choose one from: (BUS150, CM221, CM304, MGT150, MGT315, MKT100, MKT325, OBD380, PHL342, SOC415)

**OR**

**Therapeutic Recreation Emphasis**

- REC331 Leadership in Therapeutic Recreation
- REC343 Organizing Therapeutic Recreation
- REC400 Therapeutic Recreation and Aging
Recreation Electives (two courses from the following list):

- REC250  Special Events Planning
- REC310  Outdoor Recreation
- REC380-384, 393-394  Selected Topics in Community Recreation
- REC385-389 and REC392  Selected Topics in Therapeutic Recreation
- REC424 or REC428  Recreation Directed Field Experience
- REC498  Independent Study
- SOC345  Human Services Techniques

Therapeutic Recreation Emphasis majors may also select from Community Recreation Emphasis requirements listed above.

Community Recreation Emphasis majors may also select from Therapeutic Recreation Emphasis requirements listed above.

**Therapeutic Recreation Certification eligibility requires in addition to the above:**

- PSY230  Abnormal Psychology
- NUR201  Human Development in Health Care

**One of the following Biology/Laboratory courses:**

- BIO220/221  Human Anatomy and Physiology I/Laboratory OR
- BIO222/223  Human Anatomy and Physiology II/Laboratory

Recreation and Leisure Administration Major (suggested course sequence)

**Freshman Year**  
(Both Community and Therapeutic Emphases)  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recreation and Leisure in Modern Society</td>
<td>3</td>
</tr>
<tr>
<td>Leadership and Group Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>32</td>
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</tbody>
</table>

**Sophomore Year**  
(Both Community and Therapeutic Emphases)  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recreation Programming</td>
<td>3</td>
</tr>
<tr>
<td>Experiential Learning in Recreation</td>
<td>3</td>
</tr>
</tbody>
</table>
Introduction to Therapeutic Recreation  3  
Human Communication  3  
Critical Thinking/Problem Solving in Math  3  
++(choice from above for therapeutic certification) OR Elective  3  
Physical Education  2  
Academic Writing  3  
Area III Distribution Requirements  3-4  
Area IV Distribution Requirement  3  
Elective  3  

32-33

**Junior Year**

(Therapeutic Emphasis)

Area I Distribution Requirements  3  
Area II Distribution Requirements  3  
Area III Distribution Requirements  3-4  
Area IV Distribution Requirements  3  
Area V Distribution Requirement  3  
Recreation Electives  3  
++(choice from above for therapeutic certification) OR Elective  6

Leadership in Therapeutic Recreation  
OR  
Organizing Therapeutic Recreation  3  
Therapeutic Recreation and Aging  3  

OR

(Community Emphasis)

Area I Distribution Requirements  3  
Area II Distribution Requirements  3  
Area III Distribution Requirements  3-4  
Area IV Distribution Requirements  3  
Area V Distribution Requirements  3  
Organizing Community Recreation  3  
Community Recreation Emphasis Elective  3  
Recreation Electives  3  
Electives  6  

30-31

**Senior Year**

(Therapeutic Emphasis)

Recreation Seminar  3  
Recreation Administration  3  
Recreation Elective  3  
Electives  7-9
Bachelor of Science Degree in Sociology

Sociology is the study of human behavior and group life. As a science, it examines how human experience is shaped by social forces. Sociologists use both quantitative and qualitative methods of social research in an effort to understand, generalize, and predict human behavior within society. Sociologists are also interested in developing and testing theories regarding how the social world is organized. Specifically, sociologists examine how social order is maintained, the origins of social conflict and social change, and the human assignment of meaning to objects, relationships, and events in everyday life. A major in Sociology is designed to provide preparation for pursuing graduate study and/or entry into vocations where sociological training is desirable (e.g. social agencies, personnel work in business, social planning in governmental agencies, and organizations in which survey research is conducted). Internships may be available with local agencies that allow selected students to apply theory to realistic situations.

Requirements for Graduation:

To be eligible for graduation, students majoring in Sociology must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Sociology must maintain a 2.0 average in all major requirements, and will be required to complete a standardized outcomes assessment test.

The required courses for the Sociology Major are:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY100</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SOC100</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>BEH490</td>
<td>Behavioral Science Seminar</td>
</tr>
<tr>
<td>SOC220</td>
<td>American Social Problems</td>
</tr>
<tr>
<td>SOC230</td>
<td>Development of Sociological Theory</td>
</tr>
<tr>
<td>SOC235</td>
<td>Contemporary Sociological Theory</td>
</tr>
</tbody>
</table>
SOC335  Research Methodology I  
SOC336  Statistics/Research Methodology II

*Seven of the following:*

- GER215  Social Aspects of Aging
- PSY243  Social Psychology
- SOC201  Sociology of Family Violence
- SOC210  Drug and Alcohol Addiction
- SOC225/WGS225  The Family
- SOC240  Theory/Policy Human Services
- SOC301  Environmental Sociology
- SOC302  Sociology of Health and Illness
- SOC305  Working w/Children and Youth
- SOC310  Sociology of Organizations
- SOC315  Ethnic and Minority Relations
- SOC320  Criminology
- SOC330  Sociology of Religion
- SOC340  Urban Sociology
- SOC345  Human Services Techniques
- SOC355  Program Design and Evaluation
- SOC360/WGS360  Gender and Society
- SOC410  Population Trends
- SOC415  Grant Writing for Nonprofit Agencies
- SOC420-422  Selected Topics in Sociology
- SOC495-496  Sociology Internship*
- SOC498-499  Independent Study*

**Sociology Major (suggested course sequence)**

*Freshman Year*  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

*Sophomore Year*  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>Sociology Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

*See advisor prior to scheduling these courses.*
ASSOCIATE DEGREE PROGRAMS:

**Associate of Science Degree in Criminal Justice:**

To be eligible for graduation, students must complete a minimum of 65 credits. In addition, students must maintain a 2.0 average in all major requirements, earn a cumulative grade point average of 2.0, satisfy the College’s residence requirements, and complete the Associate Degree General Education Requirements of the College.

*The required courses for the Criminal Justice Associate Degree are:*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJA101 Introduction to Criminal Justice</td>
<td></td>
</tr>
<tr>
<td>CJA110 Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>CJA203 Ethical Issues in Criminal Justice</td>
<td></td>
</tr>
</tbody>
</table>

AND 18 credits of 100/200-level courses in Accounting, Anthropology, Behavioral Sciences, Criminal Justice, Geography, Information Systems, Management, Political Science, Psychology, or Sociology

**Criminal Justice (suggested course sequence)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshmen Year</td>
<td></td>
</tr>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

*It is especially important to see your advisor before scheduling these courses.*
Critical Thinking & Problem Solving  
Information Literacy  
Introduction to Criminal Justice  
Juvenile Delinquency  
Area I Distribution Requirements  
Area II Distribution Requirements  
Area III Distribution Requirements  
Area IV Distribution Requirements  

Sophomore Year                                Credits
Human Communication                             3
Physical Education                              2
Ethical Issues                                  3
Area V Distribution Requirements                3
Electives                                       7
Criminal Justice Electives                      15

29
33

Behavioral Sciences Department Minors:

Students majoring in Criminal Justice may not minor in Criminal Justice but may minor in Criminalistics. However, with the exception of CJA101, none of the courses required for the Criminalistics minor may be used to fulfill requirements for the major or another minor.

Anthropology Minor (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT210</td>
<td>Physical Anthropology</td>
</tr>
<tr>
<td>ANT220</td>
<td>Cultural Anthropology</td>
</tr>
<tr>
<td>ANT310</td>
<td>Advanced Physical Anthropology</td>
</tr>
<tr>
<td>ANT325</td>
<td>Culture and Personality</td>
</tr>
</tbody>
</table>

Any two of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT300</td>
<td>Food and Culture</td>
</tr>
<tr>
<td>ANT302</td>
<td>Applied Anthropology</td>
</tr>
<tr>
<td>ANT330</td>
<td>Anthropology of Religion</td>
</tr>
<tr>
<td>ANT350</td>
<td>Anthropology of Aging</td>
</tr>
<tr>
<td>ANT390, ANT391</td>
<td>Selected Topics Anthropology</td>
</tr>
<tr>
<td>ANT392</td>
<td>Anthropology and Medicine</td>
</tr>
<tr>
<td>INT101</td>
<td>Introduction to Indo-European Languages and Folklore</td>
</tr>
<tr>
<td>LIT320</td>
<td>Introduction to Linguistics</td>
</tr>
<tr>
<td>BEH495, BEH496</td>
<td>Behavioral Sciences Cooperative Internship*</td>
</tr>
<tr>
<td>ANT498, ANT499</td>
<td>Independent Study in Anthropology</td>
</tr>
</tbody>
</table>

*Only special anthropological internships apply; see advisor six weeks prior to registration.
**Applied Youth Development Minor (15 credits)**

BEH200 Introduction to Applied Youth Development

*Select six credits from the following:*

- CJA110 Juvenile Delinquency
- CJA348 Juvenile Justice
- ED221 Introduction to American Education
- SPE205 ADHD and Autism Spectrum Disorder
- PE134 Concepts of Physical Activity and Wellness
- PSY221 Child and Adolescent Development **OR**
- PSY321 Developmental Science
- SOC305 Working with Children and Youth
- SOC345 Human Service Techniques
- WGS/SOC225 The Family

*Select six credits from the following:*

- ART396 Art Education for Elementary Teachers
- ART397 Art in Recreation: Beyond Arts and Crafts
- ED307 Responding to Emergencies
- ED309 Principles of Athletic Coaching
- REC103 Leadership and Group Dynamics
- REC250 Special Events Management
- REC390 Meeting Children’s Needs Through Movement
- REC393 Selected Topics in Community Recreation

**Criminal Justice (18 credits)**

CJA101 Introduction to Criminal Justice

*Five other courses in Criminal Justice, of which a minimum of nine credits must be at the 300/400 level.*

**Criminalistics Minor (16 or 17 credits)**

- CJA101 Introduction to Criminal Justice
- CJA230/FCM200 Introduction to Criminalistics
- CJA305 Criminal Investigation***
- CJA362/FCM362 Crime Scene Processing***

*And one of the following:*

- CJA323 Fire and Explosion Investigation***
- CJA386 Death Investigation***
- FCM410 Forensic Body Fluid Analysis*

**Gerontology Minor (18 credits)**

- GER215 Social Aspects of Aging
- GER312 Psychological Aspects of Aging

*There are three prerequisites for this course: CJA230/FCM200, BIO150, CHM134.

***Course cannot be used for both Criminalistics minor and Criminal Justice elective.
GER410  Clinical Aspects of Aging

*Any three of the following courses:*

- ANT350  Anthropology of Aging
- BEH495, BEH496  Behavioral Science Cooperative Internship*
- GER316  Ethical Aspects of Aging
- GER320  Working with Older Adults
- GER330  Death, Dying, and Bereavement
- GER390, GER391, GER392  Selected Topics in Gerontology
- GER498, GER499  Gerontology Independent Study

**Human Services Minor (18 credits)**

- SOC240  Theory and Policy for the Human Services Professional
- SOC355  Program Design and Evaluation
- SOC415  Grant Writing for Nonprofit Agencies
- SOC345  Human Services Techniques
- REC103  Leadership and Group Dynamics

*One of the following courses:*

- SOC305  Working with Children and Youth
- GER320  Working with Older Adults
- CIA110  Juvenile Delinquency (with permission of instructor)
- PSY221  Child and Adolescent Development OR
- PSY321  Developmental Science

**Psychology Minor (18 credits)**

- PSY100  General Psychology and

*Select five courses from the following advanced Psychology courses:*

- PSY200  Essential Skills and Tools
- PSY210  Fundamentals of Biopsychology
- PSY221  Child and Adolescent Development OR
- PSY321  Developmental Science**
- PSY222  Adult Development
- PSY227  Psychology of Exceptional Children
- PSY230  Abnormal Psychology OR
- PSY330  Adult Psychopathology***
- PSY243  Social Psychology
- PSY270  Design and Analysis I
- PSY271  Design and Analysis II
- PSY307  Cognitive Psychology
- PSY309  Theories of Learning

*Only special gerontology internships apply; see advisor six weeks prior to registration.

**Students may take PSY221 or PSY321 but may not take both courses for credit in the Psychology minor.

***Students may take PSY230 or PSY330 but may not take both courses for credit in the Psychology minor.
PSY310  Brain and Behavior
PSY312  Psychological Aspects of Aging
PSY321  Developmental Science OR
PSY221  Child and Adolescent Development*
PSY330  Adult Psychopathology OR
PSY230  Abnormal Psychology**
PSY331  Child Psychopathology
PSY351  Biological Bases of Behavior
PSY354  Sensation and Perception
PSY363  Industrial and Organizational Psychology
PSY365  Psychological Testing
PSY370  Design and Analysis III
PSY375-399  Special Topics
PSY381  Adult Psychopathology and the Media
PSY421-422  Psychology Internship
PSY431-432  Teaching Practicum
PSY440  Personality
PSY441  Counseling Theories in Psychology
PSY472  History and Systems in Psychology
PSY498-499  Psychology Independent Study

Note: To complete a minor in Psychology, a minimum of 12 credit hours must be completed at York College of Pennsylvania.

**Sociology Minor (18 credits)**

SOC100  Introduction to Sociology
SOC220  American Social Problems

One course selected from the following:

SOC230  Development of Sociological Theory
SOC235  Contemporary Sociological Theory

Select three courses from the following:

PSY243  Social Psychology
SOC201  Sociology of Family Violence
SOC210  Drug/Alcohol Addiction
SOC225/WGS225  The Family
SOC240  Theory/Policy Human Services
SOC301  Environmental Sociology
SOC302  Sociology of Health and Illness
SOC305  Working with Children and Youth
SOC310  Sociology of Organizations

*Students may take PSY221 or PSY321 but may not take both courses for credit in the Psychology minor.

**Students may take PSY230 or PSY330 but may not take both courses for credit in the Psychology minor.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC315</td>
<td>Ethnic/Minorities</td>
</tr>
<tr>
<td>SOC320</td>
<td>Criminology</td>
</tr>
<tr>
<td>SOC330</td>
<td>Sociology of Religion</td>
</tr>
<tr>
<td>SOC340</td>
<td>Urban Sociology</td>
</tr>
<tr>
<td>SOC345</td>
<td>Human Services Techniques</td>
</tr>
<tr>
<td>SOC355</td>
<td>Program Design and Evaluation</td>
</tr>
<tr>
<td>SOC360/WGS360</td>
<td>Gender and Society</td>
</tr>
<tr>
<td>SOC410</td>
<td>Population Trends</td>
</tr>
<tr>
<td>SOC415</td>
<td>Grant Writing for Nonprofit Agencies</td>
</tr>
</tbody>
</table>
The Department of Biological Sciences offers baccalaureate degree programs in Biology, Secondary Education-Biology, and the Allied Health fields of Nuclear Medicine Technology, Respiratory Care, and Healthcare Coding. The Biology program is broad-based, and designed to prepare students for graduate studies or for professional programs in a variety of fields, including medicine or other health-related career. Graduates may seek employment immediately in biology-related areas such as environmental science or biotechnology. The Secondary Education-Biology program prepares students for certification as secondary education biology teachers. The Allied Health programs are professionally accredited, and prepare students for careers as nuclear medicine technologists or respiratory therapists. The Department also offers associate degree programs in Biology, Respiratory Care, and Healthcare Coding. A Healthcare Coding Specialist certificate and a minor in Biology are also available.

**Allied Health Programs**

York College offers a number of programs for students interested in the health fields, and these majors are offered through different departments of the College. All these programs provide students with the training to obtain employment in their respective medical fields immediately upon graduation or, in some cases, following their completion of certification examinations required in certain specialties. Four-year baccalaureate programs include Respiratory Care and Nuclear Medicine Technology in the Biological Sciences Department, and Clinical Laboratory Science in the Physical Sciences Department. The Nursing Program is housed in its own department. Associate degree programs are offered through Biology in Respiratory Care and Healthcare Coding, as well as a certificate program in Healthcare Coding. Information concerning these programs can be found within each department.

Students interested in health careers requiring postgraduate work (medicine, physical therapy, etc.) typically major in Biology or Chemistry and are advised by the Committee for the Health Professions of the College. Consult the respective departments and/or the Committee for the Health Professions at the College for more information.

**Bachelor of Science Degree in Biological Sciences**

The Biology Program provides the student with a solid and rigorous foundation in biology, emphasizing a balance between the molecular/cellular and organismal/population areas of the field. Recognizing the many subspecialties in biology, the curriculum is also flexible, allowing the student to design an area of emphasis that matches their unique interests and goals. Students are given numerous opportunities to expand their writing and speaking abilities, not only through their laboratory and classroom experiences, but also in selected courses such as Introduction to Scientific Research and Senior Thesis. The Biology Program has a strong chemistry and physics component. Many Biology majors acquire a minor in Chemistry by taking one additional chemistry course, qualifying graduates for jobs that require skills in biology and chemistry.

While mastery of subject matter is of prime importance, the curriculum also emphasizes the process of scientific inquiry through laboratory experimentation. Students
design and conduct experiments both within their courses and outside of the classroom. Students are encouraged either to participate in undergraduate research projects with York College faculty or to arrange a summer research experience with faculty at other institutions around the country. York College faculty offer a wide range of research opportunities for the student. Students, with their faculty mentors, may present their research findings at state and national scientific meetings. Papers have recently been presented by student-faculty teams in the areas of oncology, neurophysiology, exercise physiology, ornamental horticulture, plant development, animal behavior, microbial physiology and environmental microbiology. Additional research opportunities are available for students in molecular and cellular biology, genetics, toxicology, biochemistry, marine and terrestrial ecology, and reproductive physiology.

Many students earn credit through an internship or independent study by working in a learning environment off-campus. Examples include biotechnology companies, local hospitals, environmental firms, nature centers, or pharmaceutical laboratories. The skills and attitudes acquired in the workplace not only enhance the educational process at the college, but also provide a potential place of employment after graduation.

A college-wide Committee for the Health Professions exists on campus specifically to advise students interested in Medicine, Veterinary Science, Optometry, Physical Therapy, and other professional careers based in the sciences. There is no pre-professional major at the College since professional schools prefer that applicants major in a traditional undergraduate discipline, such as Biology or Chemistry, rather than follow a specific program geared to one profession, such as pre-med. The Committee forms a second tier of advisors for pre-professional students in addition to their major advisor. Committee members assist students in designing a course sequence and in choosing other related activities that will strengthen their professional school applications. They work closely with students from their freshman year until the application process is completed.

In addition to supportive advising, students who wish to pursue clinical careers may also choose to participate in courses offered through the Department of Biological Sciences in collaboration with York Hospital. These courses permit students to gain first-hand experience in a clinical setting by allowing them to shadow physicians in various departments, take part in weekly hospital grand rounds, participate in clinical research, and pursue an advanced study of human anatomy and disease.

The Department of Biological Sciences is a member of the Marine Science Consortium at Wallops Island, Virginia. This consortium of colleges in Pennsylvania was formed to provide a field station for students to study and conduct research in the marine sciences. The Marine Biology and Oceanography courses conduct their laboratory component at this site. York College students may also choose from a wide array of courses offered at the station during the summer. Biology majors may take these courses as upper-division electives for the major. Some courses are designed for non-science majors as well. The student must apply for credit to both the College and the Consortium in order to participate in these courses. Additional fees to the Consortium are required to cover food and lodging. A catalog describing the courses is available on the Consortium webpage.
Requirements for Graduation:

To be eligible for graduation, students majoring in Biology must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 in all Biology courses, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

Students transferring into Biology must complete at least four Biology courses at York College in order to graduate as a Biology major. Acceptable courses are determined by the major advisor and the department chair.

The required courses for the Biological Sciences Major are:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM134</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHM136</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>PHY110</td>
<td>General Physics I</td>
</tr>
<tr>
<td>PHY112</td>
<td>General Physics II</td>
</tr>
<tr>
<td>CHM234</td>
<td>Organic Chemistry I</td>
</tr>
<tr>
<td>CHM236</td>
<td>Organic Chemistry II** OR Biochemistry</td>
</tr>
<tr>
<td>BEH260</td>
<td>Statistics OR MAT250 Statistics</td>
</tr>
<tr>
<td>BIO150</td>
<td>Biology I</td>
</tr>
<tr>
<td>BIO152</td>
<td>Biology II</td>
</tr>
<tr>
<td>BIO200</td>
<td>Intro. to Scientific Research</td>
</tr>
<tr>
<td>BIO240</td>
<td>Genetics</td>
</tr>
<tr>
<td>BIO300</td>
<td>Ecology</td>
</tr>
<tr>
<td>BIO400</td>
<td>Senior Thesis</td>
</tr>
</tbody>
</table>

Upper-Division Biology Electives: 20 credits

Students must choose one course from the cellular/subcellular category and one course from the organismal/population category of the upper-division biology electives. The remaining 12 required credits must also be chosen from these categories.

Cellular/Subcellular

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO330</td>
<td>Biology of Microorganisms</td>
</tr>
<tr>
<td>BIO350</td>
<td>Biochemistry I</td>
</tr>
<tr>
<td>BIO352</td>
<td>Biochemistry II</td>
</tr>
<tr>
<td>BIO354</td>
<td>Immunology</td>
</tr>
<tr>
<td>BIO356</td>
<td>Reproduction and Developmental Biology</td>
</tr>
<tr>
<td>BIO358</td>
<td>Cell and Molecular Biology</td>
</tr>
</tbody>
</table>

Organismal/Population

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO302</td>
<td>Zoology</td>
</tr>
<tr>
<td>BIO304</td>
<td>Botany</td>
</tr>
</tbody>
</table>

**Many graduate programs in biological science and most medical-related post-baccalaureate programs require both Organic Chemistry and Biochemistry. Check the requirements of those institutions and programs.**
BIO306   Animal Behavior
BIO308   Animal Physiology
BIO310   Plant Morphology
BIO312   Plant Systematics
BIO324   Marine Ecology of the Chesapeake Bay
BIO370   Evolutionary Biology
BIO412   Adv. Seasonal Flora

Students have the option of taking ONE course at the Wallops Island Marine Science Consortium (courses with YMS prefix), which will fulfill an organismal/population elective.

Free Electives 17 credits (Science electives are recommended)

**Biology (suggested course sequence)**

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Biology I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>General Chemistry I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>32</strong></td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area I Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Free elective</td>
<td>3</td>
</tr>
<tr>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>Introduction to Scientific Research</td>
<td>3</td>
</tr>
<tr>
<td>Organic Chemistry I &amp; II</td>
<td></td>
</tr>
<tr>
<td>(or Organic Chemistry I and Biochemistry during junior year)</td>
<td>8</td>
</tr>
<tr>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Upper-Division Biology Elective</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>34</strong></td>
</tr>
</tbody>
</table>

**Junior Year Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area I Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Ecology</td>
<td>4</td>
</tr>
</tbody>
</table>
Bachelor of Science Degree in Nuclear Medicine Technology

A Nuclear Medicine Technology major will prepare the student for a professional career as a Nuclear Medicine Technologist. Nuclear Medicine is a specialty area of medical practice that uses radioactive substances and sensitive instrumentation to help diagnose and treat certain diseases. This specialty is directed by a nuclear physician who receives added training, beyond medical school, in the proper use and handling of radioactive substances. The Nuclear Medicine Technologist is an individual who receives training to perform the many patient procedures that will assist the nuclear physician in diagnosis and treatment. This individual is trained in the use of gamma cameras, uptake probes, and other specialized instrumentation to obtain information about virtually every major organ system of the body. Upon successful completion of the program and the registry examination for Nuclear Medicine Technology, the individual is certified as a Nuclear Medicine Technologist.

Students pursuing the bachelor of science degree in Nuclear Medicine Technology spend three years at York College followed by a clinical year at one of the affiliated hospitals of the Lancaster General College of Nursing and Health Sciences. Admission to York College does not guarantee admission to the hospital clinical year. Students follow the prescribed courses of study for the first three years at the College. The student must earn a minimum of 2.0 in each of the required supporting courses with an average of 2.5 in science and mathematics as well as a cumulative grade point average of 3.0 or higher in order for the College to recommend the student for the clinical year. At the end of the fall semester of the junior year, the student applies for the clinical year through the Coordinator of Nuclear Medicine at York College. The Admissions Committee of the Lancaster General College of Nursing and Health Sciences decides which students can be accepted into the clinical year and also designates the hospital assignment. The student will then be required to complete the required number of shadowing hours at the assigned hospital.

The clinical year begins in August and is 12 months in duration. Three days per week are devoted to clinical practice and one day per week is spent in classroom
instruction. This will involve commuting one day a week to Lancaster General College of Nursing and Health Sciences for classroom instruction and commuting to the affiliate hospital three days per week.

Upon successful completion of the Nuclear Medicine Technology Program, a Bachelor of Science degree in Nuclear Medicine from York College and a Certificate in Nuclear Medicine Technology from the Lancaster General College of Nursing and Health Sciences will be awarded. This qualifies the individual to take one of the national registry examinations** in order to become a Certified Nuclear Medicine Technologist.

In addition, an individual with training from another field or another degree such as Clinical Laboratory Science, Nursing, Biology, etc., may apply for the clinical year as a student with advanced status. This individual would receive a certificate after successfully completing the Program and would also be eligible to take one of the national registry examinations for Certified Nuclear Medicine Technologists.

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Nuclear Medicine Technology must complete a minimum of 129 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Nuclear Medicine Technology must earn a minimum grade of 2.0 in all major requirements with an average of 2.5 in science, math, and required major courses.

**The required courses for the Nuclear Medicine Technology Major are:**

- BIO150 Biology I
- CHM134 General Chemistry I
- CHM136 General Chemistry II
- CHM234 Organic Chemistry I
- BIO220 Human Anatomy & Physiology I
- BIO222 Human Anatomy & Physiology II
- BIO230 Microbiology
- BIO354 Immunology
- BIO350 Biochemistry
- PHY112 General Physics II
- HCC215 Medical Terminology
- BEH260 Statistics
- MAT120 Applied Calculus
- BIO100 Introduction to Allied Health

** Nuclear Medicine Technology Certification Board (NMTCB), and American Registry of Radiologic Technologists (ARRT).
It is suggested that students take more than the required credits needed for graduation by taking:

- CHM338 Instrumental Analysis
- IFS105 Personal Productivity Computing

Clinical Year: 30 Credits

The fourth year of courses (30 credits) consists of a hospital practicum at one of the hospitals of the Lancaster General College of Nursing and Health Sciences.

A cumulative grade point average of 3.0 or higher is necessary in order for the College to recommend the student to the Advisory Committee of the Lancaster General College of Nursing and Health Sciences for the clinical year. The College cannot guarantee the student a position at a hospital for the clinical year.

### Nuclear Medicine Technology (suggested course sequence)

<table>
<thead>
<tr>
<th>Year</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman</strong></td>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Biology I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>General Chemistry I and II</td>
<td>8</td>
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<tr>
<td></td>
<td>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Introduction to Allied Health</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>36</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Sophomore</strong></th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Human Anatomy &amp; Physiology</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Physics II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Area I Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Area V Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>33</strong></td>
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</table>

<table>
<thead>
<tr>
<th><strong>Junior</strong></th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Immunology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Area II Distribution Requirements</td>
<td>6</td>
</tr>
</tbody>
</table>
Area IV Distribution Requirements  3
Area V Distribution Requirements  3
Free Electives  6

Senior Year  Credits
(Clinical Practicum)
Nuclear Medicine Theory  14
Nuclear Medicine Practicum  16

30

Bachelor of Science Degree in Respiratory Care

This Respiratory Care Program (registry level) prepares the student for a professional career as a respiratory therapist. Respiratory Care is an allied health specialty instrumental in the diagnosis, treatment, management, and preventive care of patients with cardiopulmonary problems. Respiratory Care offers persons interested in caring for others an opportunity to serve as vital members of the health care team.

Applicants to the Respiratory Care programs must have graduated from high school or have earned a state equivalency diploma and must exhibit evidence of a strong background in a college preparatory program. A minimum “C” average is required in high school biology, chemistry, and algebra. Applicants must tour a Respiratory Care department. Applicants may be asked to attend an interview with the Respiratory Care Program Director, Clinical Coordinator, or Medical Director. Size of the classes is limited. Transfer students will be considered for admission to the Program on an individual basis.

Respiratory Care students should be prepared for expenses in addition to those identified as tuition, fees, and room and board costs. Most additional expenses relate to costs for uniforms, supplies such as a stethoscope, medical insurance, textbooks, membership in professional organizations, and other supplies.

Classroom, laboratory, and clinical facilities at the York Hospital will be utilized for the Respiratory Care courses. Students will also receive clinical education at secondary clinical affiliates. Students will be responsible for their own transportation to and from Respiratory Care classes, laboratories, and clinical experience.

To remain in and progress through the Respiratory Care major, a 2.0 or higher must be obtained in each respiratory (RT#) course. In addition, the student must carry a cumulative grade point average of 2.5 or greater. A student who receives less than a 2.0 in any Respiratory course will be permitted to repeat the course only one time. Since course sequencing is essential, a failed course will necessitate the student stepping out of the Program until the course is offered again the following year. All students who interrupt the suggested progression of courses for any reason must submit a letter of intent to the Respiratory Care Program Director at least two months prior to the start of the semester for which they desire reinstatement. Reinstatement into the Program is not guaranteed and will be evaluated on an individual basis as space is available.

An interview with the Program staff and testing of base knowledge will be required to determine which courses will need to be repeated, possibly including some that were
already passed. A student may not fail more than one Respiratory course. A second failure will result in dismissal from the Program.

Successful completion of the two year Respiratory Therapist Program qualifies the individual to take the Certified Respiratory Therapist (CRT) examination administered by the National Board for Respiratory Care (NBRC). Successful completion of the three- or four-year Respiratory Therapist Program qualifies the individual to take the CRT and Registered Respiratory Therapist (RRT) examinations administered by the NBRC, 8310 Nieman Rd., Lenexa, KS 66214. Phone: (913) 599-4200. www.nbrc.org.

The clinical courses in Respiratory Care may not be scheduled according to conventional semester scheduling and may include clinical scheduling during evenings and nights.

All Respiratory Therapy Programs are fully accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 1361 Park St., Clearwater, FL 33756. Phone: (727) 210-2350. www.caahep.org. They are also accredited by the Committee on Accreditation for Respiratory Care (CoARC), 1248 Harwood Rd., Bedford, TX 76021. Phone: (817) 283-2835. www.coarc.com.

Requirements for Graduation:

To be eligible for graduation, students majoring in Respiratory Care must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis. A 2.0 or higher grade must be attained earned in each Respiratory Care course.

In addition, students majoring in Respiratory Care must maintain a 2.0 average in all major requirements.

The required courses for the Respiratory Care Major are:

General

- BIO150 Biology I
- BIO220 Human Anatomy & Physiology
- BIO222 Human Anatomy & Physiology
- BIO230 Microbiology
- CHM134 General Chemistry I
- CHM136 General Chemistry II
- PHY110 General Physics I

Respiratory Care Required Courses

- RT100 Basic Science for Resp. Ther.
- RT105 Medical Technology
- RT110 Oxygen Therapy & CPR
- RT115 Bronchopulmonary Hygiene
RT120  Mechanical Ventilation
RT125  Pulmonary Funct. Testing
RT130  Pulmonary Disease
RT135  Pediatric Resp. Therapy
RT210  Eval. Patient Pulmonary Dis.
RT320  Pulmonary Physiology
RT330  Cardiac Physiology
RT410  Independent Study
RT450  Resp. Therapy Seminar

Clinical Courses*
RT150  Clinical Prac. I
RT160  Clinical Prac. II
RT225  Clinical Prac. IV
RT260  Clinical Prac. V
RT270  Clinical Prac. VI
RT350  Clinical Prac. VIII
RT415  Clinical Prac. IX
RT420  Clinical Prac. X

Respiratory Care (suggested course sequence)

**Freshman Year (Fall)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Analytical Reading and Writing</td>
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<tr>
<td>Critical Thinking/Problem Solving in Math</td>
<td>3</td>
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<tr>
<td>General Chemistry I</td>
<td>4</td>
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<tr>
<td>Area I Distribution Requirement</td>
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<tr>
<td>Physical Education</td>
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<td><strong>Total</strong></td>
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**Freshman Year (Spring)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
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<tr>
<td>Human Communication</td>
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<tr>
<td>Information Literacy</td>
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<tr>
<td>General Chemistry II</td>
<td>4</td>
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<tr>
<td>Medical Terminology</td>
<td>1</td>
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<tr>
<td>Physical Education</td>
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<td><strong>Total</strong></td>
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**Summer**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
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<td>Basic Science for Respiratory Care (10 weeks)</td>
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<td>Biology I</td>
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</table>

*RT280 Clinical Practice VII may be substituted for RT350, RT415, and RT420.
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<td>Pulmonary Diseases</td>
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<tr>
<td>Bronchopulmonary Hygiene</td>
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<tr>
<td>Oxygen Therapy and CPR</td>
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<tr>
<td>Clinical Practice I</td>
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<td></td>
<td>14</td>
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<tr>
<td><strong>Sophomore Year (Spring)</strong></td>
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<tr>
<td>Anatomy and Physiology II</td>
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<td>Pulmonary Function Testing</td>
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<td>Mechanical Ventilation</td>
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<td>Pediatric Respiratory Care</td>
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<td>Clinical Practice II</td>
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<td><em>(Summer)</em></td>
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<td>Patient Evaluation</td>
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<td>Clinical Practice IV</td>
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<td></td>
<td>6</td>
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<tr>
<td><strong>Junior Year (Fall)</strong></td>
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<tr>
<td>General Physics I</td>
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<tr>
<td>Pulmonary Physiology</td>
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<td>Clinical Practice V</td>
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<tr>
<td>Area IV Distribution Requirement</td>
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<td>Area V Distribution Requirement</td>
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<td></td>
<td>14</td>
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<tr>
<td><strong>Junior Year (Spring)</strong></td>
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<td>Microbiology</td>
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<td>Free Electives</td>
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<td><strong>Senior Year (Fall)</strong></td>
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<tr>
<td>Respiratory Therapy Seminar</td>
<td>2</td>
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<tr>
<td>Clinical Practice IX</td>
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</table>

**For progression to the sophomore year of the Respiratory Care Program, students must have an earned grade point average of 2.50 or higher and a minimum of 2.0 in each freshman course.**
Bachelor of Science in Secondary Education-Biology

Requirements for Graduation:

To be eligible for graduation, students majoring in Secondary Education-Biology must complete all requirements including a minimum of 139 credits, achieve cumulative grade point average of 3.0 or higher, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Education must achieve a grade of 3.0 or higher in each of the following five Common Core courses—two English courses (WRT102, WRT202), the Human Communications course, and two math courses (specific course names are specified on the appropriate Education worksheet).

Required Courses in Secondary Education-Biology:

Discipline Certification Requirements

 MAT250  Statistics
 CHM134  General Chemistry I
 CHM136  General Chemistry II
 CHM234  Organic Chemistry
 CHM236  Organic Chemistry OR
 BIO350  Biochemistry
 PHY110  General Physics I
 ESS152  Earth & Space Science

Biology Required Courses

 BIO150  Biology I
 BIO152  Biology II
 BIO200  Introduction to Scientific Research
 BIO240  Genetics
 BIO300  Ecology
 BIO330  Biology of Microorganisms
 BIO400  Senior Thesis
 BIO__  Biology Elective
Pre-Professional Education Courses

ED200 Instructional Technology
ED221 Introduction to American Education (must be taken at York College)
ED371 Psychology of Teaching/Learning Sec. Ed.
PSY100 General Psychology
SOC100 Introduction to Sociology

Professional Preparation Courses

SE402 Community and Legal Issues in Education
SE350 Secondary School Experience
SE351 Teaching Strategies
SE354 Teaching Science
SE360 Reading/Writing across the Curriculum
SE416 Directed Professional Educational Experience

Student Teaching Semester

SE404 Student Teaching OR
SE405 Focused Studies OR
SE412 Practicum in Student Teaching
SE413 Selected Topics

---

1 Satisfies Area Distribution Requirements.
2 Grade earned must be a 2.0 or higher. This includes all courses in field of major study.
3 SE402 Community and Legal Issues in Education must be scheduled the term immediately prior to the Student Teaching Semester.
4 Students are required to have earned a cumulative grade point average of 3.0 before admittance into the Student Teaching Semester.
5 Taken as an option to SE404 by students seeking the degree without certification.

Secondary Education-Biology (suggested course sequence)

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Analytical Reading and Writing</td>
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<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Biology I and II</td>
<td>8</td>
</tr>
<tr>
<td>General Chemistry I and II</td>
<td>8</td>
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<tr>
<td>Area V Distribution Requirement</td>
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<td><strong>Total Credits</strong></td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Introduction to Scientific Research</td>
<td>3</td>
</tr>
<tr>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Organic Chemistry I and II</td>
<td>8</td>
</tr>
<tr>
<td>(or Organic Chemistry I and Biochemistry)</td>
<td></td>
</tr>
<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
</tbody>
</table>
ASSOCIATE DEGREE PROGRAMS

Two Respiratory Therapy Associate Degree programs are offered in Cooperation with York Hospital

The advanced (registry level) Respiratory Therapist program is three years in length. Graduates receive an associate degree.

Requirements for Graduation:

To be eligible for graduation, students majoring in Respiratory Therapy must complete a minimum of 99 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not
be taken on a pass/fail basis. A 2.0 or higher grade must be attained earned in each Respiratory course.

In addition, students majoring in Respiratory Therapy must maintain a 2.0 average in all major requirements.

**The required courses for the Respiratory Therapist Associate degree are:**

**General**

BIO150  Biology I  
BIO220  Human Anatomy & Physiology  
BIO222  Human Anatomy & Physiology  
BIO230  Microbiology  
CHM134  General Chemistry I  
CHM136  General Chemistry II  
PHY110  General Physics I

**Respiratory Care Required Courses**

RT100  Basic Science for Resp. Ther.  
RT105  Medical Terminology  
RT110  Oxygen Therapy & CPR  
RT115  Bronchopulmonary Hygiene  
RT120  Mechanical Ventilation  
RT125  Pulmonary Funct. Testing  
RT130  Pulmonary Disease  
RT135  Pediatric Resp. Therapy  
RT210  Eval. Patient Pulmonary Disease  
RT320  Pulmonary Physiology  
RT330  Cardiac Physiology

**Clinical Courses***

RT150  Clinical Prac. I  
RT160  Clinical Prac. II  
RT255  Clinical Prac. IV  
RT260  Clinical Prac. V  
RT270  Clinical Prac. VI  
RT280  Clinical Prac. VII

**Respiratory Therapist (three-year) Associate Degree (suggested course sequence)**

**Freshman Year (Fall)**  
Analytical Reading and Writing  3  
Critical Thinking/Prob. Solv. Math  3  
General Chemistry I  4  
Area I Distribution Requirement  3

*RT250 Clinical Practice III may be substituted for RT255 and RT260.*
## Programs of Study

<table>
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<tr>
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<tr>
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**Freshman Year (Spring)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Academic Writing</td>
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<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>Medical Terminology</td>
<td>1</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>14</strong></td>
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**Summer**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Basic Science for Respiratory Care</td>
<td>3</td>
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<tr>
<td>Biology I</td>
<td>4</td>
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<td><strong>Total</strong></td>
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**Sophomore Year (Fall)**

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<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>Anatomy and Physiology I</td>
<td>4</td>
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<tr>
<td>Pulmonary Disease</td>
<td>3</td>
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<tr>
<td>Bronchopulmonary Hygiene</td>
<td>3</td>
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<td>Oxygen Therapy and CPR</td>
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</tr>
<tr>
<td>Clinical Practice I</td>
<td>1</td>
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<td><strong>Total</strong></td>
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**Sophomore Year (Spring)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>Pulmonary Function Testing</td>
<td>2</td>
</tr>
<tr>
<td>Mechanical Ventilation</td>
<td>4</td>
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<tr>
<td>Pediatric Respiratory Care</td>
<td>2</td>
</tr>
<tr>
<td>Clinical Practice II</td>
<td>2</td>
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<td><strong>Total</strong></td>
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**Summer**

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>Patient Evaluation</td>
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<td>Clinical Practice IV</td>
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<td>Area II Distribution Requirement</td>
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<td><strong>Total</strong></td>
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**Junior Year (Fall)**

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
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<tr>
<td>Pulmonary Physiology</td>
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<tr>
<td>Clinical Practice V</td>
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<td>Area IV Distribution Requirement</td>
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<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14</strong></td>
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</tbody>
</table>
The entry level (certification level) Respiratory Therapist Associate Degree in cooperation with York Hospital (Prior Technician Program)

This Respiratory Therapist Program is two years in length. Graduates of the Program receive an associate degree. A Certified Respiratory Therapist delivers services such as administration of medications and humidity, providing cardiopulmonary resuscitation, training patients in self-care skills, administration of oxygen, testing of lung functions, and helping patients breathe with the use of ventilators.

Students completing this program are qualified to take the Certified Respiratory Therapist (CRT) examination administered by the National Board for Respiratory Care (NBRC).

Requirements for Certification:

To be eligible for certification students must complete a minimum of 74 credits. In addition, students must maintain a 2.0 average in all major requirements, earn a cumulative GPA of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. A 2.0 or higher grade must be attained earned in each Respiratory course.

The required courses for the two-year Respiratory Therapist Associate Degree are:

General

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>BIO150</td>
<td>Biology I</td>
</tr>
<tr>
<td>BIO220</td>
<td>Human Anatomy &amp; Physiology</td>
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<tr>
<td>BIO222</td>
<td>Human Anatomy &amp; Physiology</td>
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Respiratory Care Required Courses

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<th>Title</th>
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<tbody>
<tr>
<td>RT100</td>
<td>Basic Science for Resp. Ther.</td>
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<tr>
<td>RT105</td>
<td>Medical Terminology</td>
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<tr>
<td>RT110</td>
<td>Oxygen Therapy &amp; CPR</td>
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<tr>
<td>RT115</td>
<td>Bronchopulmonary Hygiene</td>
</tr>
<tr>
<td>RT120</td>
<td>Mechanical Ventilation</td>
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<tr>
<td>RT125</td>
<td>Pulmonary Funct. Testing</td>
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</table>
RT130  Pulmonary Disease  
RT135  Pediatric Resp. Therapy  

Clinical Courses  
RT150  Clinical Prac. I  
RT160  Clinical Prac. II  
RT250  Clinical Prac. III  

Respiratory Therapist (two-year) Associate Degree  
(suggested course sequence)  

<table>
<thead>
<tr>
<th>Freshman Year (Fall)</th>
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<tbody>
<tr>
<td>Analytical Reading and Writing</td>
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</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
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<td>Area V Distribution Requirement</td>
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<tr>
<td>Physical Education</td>
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<td>Biology I</td>
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<tr>
<td><strong>Total Credits</strong></td>
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<table>
<thead>
<tr>
<th>Freshman Year (Spring)</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Academic Writing</td>
<td>3</td>
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<tr>
<td>Human Communication</td>
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<tr>
<td>Information Literacy</td>
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<tr>
<td>Area II Distribution Requirement</td>
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<tr>
<td>Area IV Distribution Requirement</td>
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<td>Medical Terminology</td>
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<table>
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<td>Basic Science for Respiratory Care (10 weeks)</td>
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<thead>
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<th>Sophomore Year (Fall)</th>
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<tbody>
<tr>
<td>Anatomy and Physiology I</td>
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<tr>
<td>Pulmonary Disease</td>
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<td>Bronchopulmonary Hygiene</td>
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<tr>
<td>Oxygen Therapy and CPR</td>
<td>3</td>
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<tr>
<td>Clinical Practice I</td>
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<tr>
<td><strong>Total Credits</strong></td>
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<table>
<thead>
<tr>
<th>Sophomore Year (Spring)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>Pulmonary Function Testing</td>
<td>2</td>
</tr>
</tbody>
</table>
Mechanical Ventilation  4  
Pediatric Respiratory Care  2  
Clinical Practice II  2  
\[14\]

\textit{Summer}  \hspace{1cm} \textit{Credits}
Clinical Practice III (13 weeks)  4  
Free Elective  3  
\[7\]

The required courses for Biological Sciences Associate Degree are:

- CHM134  General Chemistry I  
- CHM136  General Chemistry II  
- BIO150  Biology I  
- BIO152  Biology II  
- BIO240  Genetics  
- CHM234  Organic Chemistry I  

Two Biology electives at the 200 level or above

Biology Associate Degree (suggested course sequence)

\textit{Freshmen Year}  \hspace{1cm} \textit{Credits}
Analytical Reading and Writing  3  
Academic Writing  3  
Applied Calculus  3  
Biology I & II  8  
General Chemistry I & II  8  
Human Communication  3  
Area I Distribution Requirement  3  
\[31\]

\textit{Sophomore Year}  \hspace{1cm} \textit{Credits}
Information Literacy  2  
Genetics  4  
Organic Chemistry  4  
Area II Distribution Requirement  3  
Area IV Distribution Requirement  3  
Area V Distribution Requirement  3  
Biology Electives  8  
Physical Education  2  
Free Electives  6  
\[35\]
Associate Degree in Healthcare Coding

The associate of science degree in Healthcare Coding prepares students to be employed in hospitals, clinics, ambulatory surgery centers, insurance companies, and other settings where diagnostic and procedural data are coded for reimbursement purposes. The Healthcare Coding curriculum combines an understanding of medical terminology, human anatomy, and disease processes with healthcare reimbursement and ICD-9-CM, CPT, and HCPCS coding principles.

Requirements for Graduation:

To be eligible for graduation, students must complete a minimum of 62 credits. In addition, students must earn a 2.0 grade in all Healthcare Coding required courses, earn a cumulative GPA of 2.0, satisfy the College’s residence requirements, and complete the General Education Requirements of the College for associate degree programs.

The required courses for the Healthcare Coding Associate Degree are:

- BIO106  Introduction to Body Structure and Function
- HCC215  Medical Terminology
- HCC220  HCPCS Coding
- HCC221  CPT Coding
- HCC222  Health Classifications and Reimbursement Systems (ICD-9-CM)
- HCC225  Healthcare Insurance Reimbursement
- HCC230  Concepts in Pharmacology
- HCC235  Pathophysiology
- HCC240  Coding Practicum

Healthcare Coding Associate Degree (suggested course sequence)

Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Body Structure and Function</td>
<td>3</td>
</tr>
<tr>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HCPCS Coding</td>
<td>1</td>
</tr>
<tr>
<td>Healthcare Insurance Reimbursement</td>
<td>3</td>
</tr>
<tr>
<td>Coding Practicum</td>
<td>3</td>
</tr>
<tr>
<td>Pathophysiology</td>
<td>4</td>
</tr>
<tr>
<td>Health Classifications (ICD-9-CM)</td>
<td>3</td>
</tr>
<tr>
<td>Concepts in Pharmacology</td>
<td>1</td>
</tr>
<tr>
<td>CPT Coding</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Personal Computing</td>
<td>3</td>
</tr>
</tbody>
</table>
Non-degree Healthcare Coding Specialist (30 credits)

The Healthcare Coding Specialist Program is designed to allow students to complete a minimum of 30 credits of required courses in healthcare coding and reimbursement and be awarded a Healthcare Coding Specialist certificate. Students completing this certificate program are eligible to apply for the associate of science degree program in Healthcare Coding.

Requirements for Specialist:

To be eligible for the Healthcare Coding Specialist certificate, the student must complete a minimum of 30 credits. In addition, students must earn a minimum 2.0 grade in all Healthcare Coding required courses and earn a minimum cumulative GPA of 2.0.

The required courses for the Healthcare Coding Specialist are:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO106</td>
<td>Introduction to Body Structure and Function</td>
</tr>
<tr>
<td>HCC215</td>
<td>Medical Terminology</td>
</tr>
<tr>
<td>HCC220</td>
<td>HCPCS Coding</td>
</tr>
<tr>
<td>HCC221</td>
<td>CPT Coding</td>
</tr>
<tr>
<td>HCC222</td>
<td>Health Classifications and Reimbursement Systems (ICD-9-CM)</td>
</tr>
<tr>
<td>HCC225</td>
<td>Healthcare Insurance Reimbursement</td>
</tr>
<tr>
<td>HCC230</td>
<td>Concepts in Pharmacology</td>
</tr>
<tr>
<td>HCC235</td>
<td>Pathophysiology</td>
</tr>
<tr>
<td>HCC240</td>
<td>Coding Practicum</td>
</tr>
</tbody>
</table>

Healthcare Coding Specialist (suggested course sequence)

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Body Structure and Function</td>
<td>3</td>
</tr>
<tr>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>
Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCPCS Coding</td>
<td>1</td>
</tr>
<tr>
<td>Healthcare Insurance Reimbursement</td>
<td>3</td>
</tr>
<tr>
<td>Coding Practicum</td>
<td>3</td>
</tr>
<tr>
<td>Pathophysiology</td>
<td>4</td>
</tr>
<tr>
<td>Health Classifications (ICD-9-CM)</td>
<td>3</td>
</tr>
<tr>
<td>Concepts in Pharmacology</td>
<td>1</td>
</tr>
<tr>
<td>CPT Coding</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

DEPARTMENTAL MINOR

Minor in Biology

Requirements for the minor (17-20 credits):

BIO150    Biology I
BIO152    Biology II

Plus three additional Biology lab courses, 200 level or greater
The mission of York College’s Department of Business Administration is to establish and deliver distinctive, high-quality academic programs, facilitate linkages between academic and business communities, and to encourage ongoing scholarship. The Department’s main purpose is to facilitate student learning and prepare students/graduates at the associate, baccalaureate, and graduate levels to best meet their goals and the needs of the business community.

To accomplish this mission, the Department offers a diverse array of majors that are linked together by the Common Professional Component (CPC). The CPC describes the competencies and experiences that are necessary for successful performance in the complex, global, and flexible workplace of the 21st century. All business students take courses in Accounting, Economics, Finance, Information Systems, Management, Marketing, Operations Management, and Statistics. The CPC also includes a capstone course designed to integrate all areas of a student’s learning into a business strategy, policy making, and analysis framework. The Common Professional Component provides a solid base for specialized courses in each major, and provides opportunities for students to interact with members of the business community.

York College of Pennsylvania, through its Department of Business Administration, is nationally accredited by the Association of Collegiate Business Schools and Programs to offer the following business degrees:

- The Master of Business Administration Degree (MBA)
- The Bachelor of Science Degree (BS) with majors in Accounting, Business Administration, Computer Information Systems, Economics, Engineering Management, Entrepreneurship, Finance, Management, and Marketing
- The Associate of Science Degree (AS) with a major in Business Administration

**MASTER OF BUSINESS ADMINISTRATION DEGREE**

The York College MBA is designed to meet the needs of both practicing and potential managers. Coursework in the MBA Program integrates theory with practice and offers participants the opportunity to develop their personal managerial skills along with their knowledge base. Course methods are purposefully varied between lecture, case analysis, presentations, outside research, and group work. MBA courses incorporate the advantages of both the conventional and virtual classrooms. This multiple method approach emphasizes organizational diagnosis, analysis, and decision-making processes. The York College MBA considers both manufacturing and service enterprises and, as such, is beneficial to students with a wide variety of undergraduate and career experiences.

The MBA curriculum is based on a 10-course core covering the fundamental areas of business administration and allows students to choose a concentration in one of the following areas: Accounting, Finance, General Business, Human Resource Management, Management, or Marketing. To earn an MBA, students must successfully complete the 10 core courses and three courses in the concentration area for a total of 39 graduate credit hours. Students who do not have a thorough background in a
business-related field will be required to complete additional courses as foundation courses to the MBA courses.

Admission requirements and detailed program information are available in the Graduate Studies Catalog. Catalogs can be obtained from the MBA Office, Department of Business, or the Evening Resource Center in Campbell Hall. Information about the MBA Program is also available by visiting www.ycp.edu/mba.

**Baccalaureate/MBA Dual Degree Program**

The Dual Degree Program is designed to provide high-achieving undergraduate students with the opportunity to begin their graduate studies while in the senior year of undergraduate coursework. Dual Degree students are permitted to take up to nine credits of graduate coursework and apply those credits to the baccalaureate degree, generally as free electives. Those nine credits also count again toward fulfilling the MBA degree requirements.

Admission to the Dual Degree Program is open to eligible students in any undergraduate discipline. Pursuing the MBA is an excellent opportunity for students in many of the baccalaureate programs offered at York College. Current Dual Degree students come from diverse fields such as art, communications, engineering, and music. Undergraduates interested in the Dual Degree Program should talk with their advisor and plan a program of study to facilitate admission into the MBA Program. Detailed information about the Dual Degree Program and its admission requirements can be found in the Graduate Studies Catalog or at www.ycp.edu/mba.

**BACCALAUREATE DEGREE PROGRAMS**

Baccalaureate degree programs are available in Accounting, Business Administration, Computer Information Systems, Economics, Engineering Management, Entrepreneurship, Finance, Management, and Marketing. Minors may also be earned in many of these programs. An associate degree program is offered in Business Administration.

Normally, a student will take a minimum of 24 semester credits in the major component subject area for a baccalaureate degree (15-18 credits are required for a minor). The associate degree in Business Administration requires a student to complete a program of 33 credits in business. Each major program also requires the completion of General Business Component courses. In some cases these departmental requirements also serve to fulfill the General Education Requirements of the College. Each student should consult with the assigned faculty advisor every semester and review the program requirements and progress toward graduation.

**Business Department Policies**

- Enrollment in 300-400 level Business courses is restricted to students of at least junior status unless specifically exempted by the requirements in a particular program or the instructor of the course. All required 100-200 level courses in the College Common Core and General Business Component must be completed before enrolling in 300-400 level Business courses unless
specifically exempted by the faculty advisor.
• Courses that serve as prerequisites to subsequent Business courses must be completed with a grade of 2.0 or higher. If a student is not successful in attaining a 2.0 in a prerequisite course, the course may be repeated an additional two times (maximum 3 attempts). Withdrawing from a course during the normal withdrawal period will not be counted as an unsuccessful attempt. Students receiving lower than a 2.0 in any prerequisite course should consult with their advisor. Because many of the upper-level Business courses require prerequisites, failure to attain a 2.0 or higher on the first attempt of a prerequisite course may delay the intended date of graduation. If a student is unsuccessful in attaining a 2.0 in a prerequisite course after three attempts, a change in major may be necessary.
• Credits transferred from a two-year institution will normally not be accepted as satisfying 300-400 level Business course requirements unless verification of competency is achieved. This verification, as determined by the chair, advisor or program coordinator, may require satisfactory completion (a 2.0) or higher in a higher-level course in the same or similar area or Credit By Examination. Transfer students need to complete a “Transfer Evaluation Form” in order to have 300-400 level credits considered for transfer. These forms are available in the Business Department Office. For transfer students, at least four 300-400 major subject area component courses, as determined by the advisor or program coordinator, must be completed at York College.
• The Department of Business Administration believes in the integration of writing and communication skills throughout the business student’s curriculum. Each baccalaureate degree business major is required to take writing/communications-focused courses during the sophomore (200 level), junior (300 level), and senior (400 level) years as partial fulfillment of graduation requirements. The sophomore-level courses will include two case studies, an organizational analysis report (library research), and oral presentation. The junior-level courses will require writing assignments geared to descriptive or technical writing. Descriptions of a business process or a business transaction are examples of this type of writing. In addition, case studies and oral presentations may be included. The senior-level courses require writing assignments of the type that a student with a particular major is likely to do after graduation as well as a major research project and presentation.

To earn a degree, students must meet the following criteria:

• All Business students must establish Information Technology (IT) competency by passing IFS100 IT Competency Exam or IFS105 Personal Productivity Computing within the first 30 credits completed at York College. Students who do not receive a passing grade on the competency exam must complete IFS105 Personal Productivity Computing as part of their requirements for graduation. In some cases, adding IFS105 to the curriculum will increase the minimum number of credits required for graduation. Information technology competency for transfer students will be evaluated on an individual basis.
• Satisfactorily complete all General Education Requirements of the College
• Earn a 2.0 or higher in all courses that are prerequisite to any Business course
• Earn a cumulative 2.0 average in all General Business Core courses
• Earn a cumulative 2.0 average in the major component courses
• Earn a cumulative 2.0 average in all courses taken at York College
• Satisfy the College’s residency requirements
• Satisfactorily complete communication-focused courses in business at the sophomore, junior, and senior levels
• Take a comprehensive examination in business as part of the Business Strategy (BUS495) course in the senior year. Students must earn a grade of 2.0 or higher in their major’s senior capstone course—BUS495 or ENT495.

Bachelor of Science Degree with a Major in Accounting

The Accounting Major provides the academic background for students considering accounting as a career field. The knowledge, skills, and techniques learned are used by our graduates working for CPA firms, private industry, and not-for-profit organizations. In addition to taking a full range of courses in financial accounting, all accounting students are also exposed to introductory-level courses in managerial accounting and taxation. Students may select advanced level courses in these topics as electives. As a result of the evolving nature of the accounting profession, the Accounting Program undergoes a constant review so that a balance of general business and advanced training in accounting is received by the student.

Students with the goal of attaining the CPA license should be aware that in some states regulations have been passed that require successful completion of 150 credit hours prior to receiving permission to take the CPA exam. York College has two options for students who will be living in states that require 150 credit hours: 1) obtain a double major at the undergraduate level; or 2) obtain a BS/MBA through the Dual Degree Program. Students should research their home state’s requirements and discuss them with their advisor, so that the curriculum is planned accordingly.

Requirements for Graduation:

To be eligible for graduation, students majoring in Accounting must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or higher, and complete the General Education Requirements of the College. Courses used to complete the General Education Requirements may not be taken on a pass/fail basis.

Students majoring in Accounting must maintain a 2.0 average in the General Business Component Courses, a 2.0 average in the Accounting Component Courses, and successfully complete IFS100 or IFS105 within the first 30 credits at the College. In addition, students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. Students must also earn a grade of 2.0 or higher in the senior business capstone course (BUS495). Students graduating with a declared major in Accounting may not simultaneously declare a minor in Accounting.
The required courses for the Accounting Major are:

General Business Component Courses

MAT120  Applied Calculus*
MKT100  Principles of Marketing
MGT150  Principles of Management**
ECO200  Principles of Economics-Macro*
ECO201  Principles of Economics-Micro*
ACC220  Financial Accounting
ACC225  Managerial Accounting
MGT220  Human Resource Management

OR

OBD225  Organizational Behavior
QBA260  Business Statistics I
FIN300  Managerial Finance I
IFS305  Management Information Systems
QBA265  Business Statistics II OR
QBA310  Management Science
BUS345  Business Law I
MGT350  Operations Management
BUS495  Business Strategy and Policy**

International Business Elective

Accounting Component Courses

ACC305  Taxation I
ACC320  Intermediate Accounting I
ACC325  Intermediate Accounting II
ACC330  Intermediate Accounting III
BUS346  Business Law II
ACC410  Auditing**
ACC420  Advanced Accounting

Two of the following:

ACC315  Introduction to Financial Fraud
ACC375  Advanced Managerial Accounting
ACC395  Taxation II
IBS415  International Accounting
ACC425  Special Topics in Accounting

Required Electives-12 credits (These elective credits must be taken outside of the Department of Business Administration.)

*Course fulfills a General Education Requirement.
**Course is designated as a writing/communications-intensive course.
# Accounting (suggested course sequence)

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>IT Competency Exam OR Personal Productivity Computing</td>
<td>0-3</td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td>3-4</td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>32-36</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td>3-4</td>
</tr>
<tr>
<td>Business Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>Management Science OR Business Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Human Resource Management or Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>30-31</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taxation I</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Business Law I and II</td>
<td>6</td>
</tr>
<tr>
<td>Managerial Finance I</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Accounting II and III</td>
<td>6</td>
</tr>
<tr>
<td>Management Info. Systems</td>
<td>3</td>
</tr>
<tr>
<td>Accounting Elective</td>
<td>3</td>
</tr>
<tr>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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<tr>
<td><strong>Total</strong></td>
<td>32</td>
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</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Auditing</td>
<td>3</td>
</tr>
<tr>
<td>Business Policy</td>
<td>3</td>
</tr>
<tr>
<td>Accounting Elective</td>
<td>3</td>
</tr>
</tbody>
</table>
Bachelor of Science Degree with a Major in Business Administration

A major in Business Administration provides a broad-based education in all business disciplines but with sufficient depth that students engage in higher-level learning in key disciplines. This major provides the education required for “generalist” managerial positions. These are managers who understand how an organization functions, how it relates to its external environment and how people within the organization behave. Management generalists are not tied to a particular functional area, which means they can occupy a wide range of positions within an organization in a wide array of organizations in business, government, and the non-profit sector. A degree in Business Administration is also beneficial to students who want to own/operate a small business, enter corporate management training programs, or perform analytical work and projects within an organization.

Requirements for Graduation:

To be eligible for graduation, students majoring in Business Administration must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or higher, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

Students majoring in Business Administration must maintain a 2.0 average in the General Business Component Courses and successfully complete IFS100 or IFS105 within the first 30 credits at the College. In addition, students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. Students must also earn a grade of 2.0 or higher in the senior business capstone course (BUS495). Students graduating with a declared major in Business Administration may not simultaneously declare a Business Administration minor.

The required courses for the Business Administration Major are:

General Business Component Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT120</td>
<td>Applied Calculus*</td>
</tr>
<tr>
<td>MKT100</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>MGT150</td>
<td>Principles of Management**</td>
</tr>
<tr>
<td>ECO200</td>
<td>Principles of Economics-Macro*</td>
</tr>
<tr>
<td>ECO201</td>
<td>Principles of Economics-Micro*</td>
</tr>
<tr>
<td>ACC220</td>
<td>Financial Accounting</td>
</tr>
<tr>
<td>ACC225</td>
<td>Managerial Accounting</td>
</tr>
</tbody>
</table>

*Course fulfills a General Education Requirement.
**Course is designated as a writing/communications-intensive course.
OBD280  Leadership and Change
QBA260  Business Statistics I
FIN300  Managerial Finance I
IFS305  Management Information Systems
QBA265  Business Statistics II OR
QBA310  Management Science
BUS345  Business Law I
MGT350  Operations Management**
BUS495  Business Strategy and Policy**

International Business Elective (choose one)

IBS370  International Marketing
IBS375  International Management
IBS400  International Economics
IBS405  International Finance

Additional Business Electives (21 credits)

Students must select at least one course and no more than two courses from each discipline area. Students must also complete at least six credits of 400-level courses (including the International Business elective). Internships and independent studies may be approved as additional elective choices but will not count toward the six credits of 400-level coursework.

Accounting

ACC305  Taxation I
ACC315  Introduction to Financial Fraud
ACC320  Intermediate Accounting I
ACC375  Advanced Managerial Accounting

Economics

ECO360  Intermediate Macroeconomics
ECO350  Intermediate Microeconomics
ECO390  Managerial Economics

Finance

FIN320  Investments
FIN330  Risk Management
FIN340  Financial Institutions

Management

OBD225  Organizational Behavior
MGT220  Human Resource Management
MGT445  Ethical Leadership
MGT460  Advanced Operations Management

**Course is designated as a writing/communications-intensive course.
Marketing

MKT335  New Product Planning
MKT350  Business Marketing
MKT380  Sales Management
MKT410  Marketing Ethics

Required Electives 16-18 credits (Twelve of these elective credits must be taken outside of the Department of Business Administration. The remaining electives may be used to complete a minor.)

**Business Administration (suggested course sequence)**

*Freshman Year*  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
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<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>IT Competency Exam <strong>OR</strong></td>
<td>0-3</td>
</tr>
<tr>
<td>Personal Productivity Computing</td>
<td></td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td>3-4</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 32-36

*Sophomore Year*  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td>Leadership and Change</td>
<td>3</td>
</tr>
<tr>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Management Science <strong>OR</strong> Business Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>6</td>
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<tr>
<td>Required Electives</td>
<td>3</td>
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</table>

**Total Credits:** 31

*Junior Year*  

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Managerial Finance I</td>
<td>3</td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>Business Electives</td>
<td>9</td>
</tr>
</tbody>
</table>
Bachelor of Science Degree with a Major In Computer Information Systems

All organizations and businesses, whether they are government or non-government, for profit or not-for-profit, large or small, local or global, utilize information systems and information technologies. These information systems are often large, expensive, highly integrated, very complex, and essential to both the daily operations and long-term strategy of the organizations that employ them. These organizations require a highly specialized staff of technologists that can bridge the gap between organizational needs and computerized technologies. These socio-technologists must understand not only the technology but also the environment into which it is being integrated.

Whatever the environment may be—globalized networking, finance, marketing, process control, sales, or organized operations of any nature—it requires individuals proficient in computer and networking technologies as well as software, database, and web-based development and application. These individuals must be as equally proficient with the organizational functions of accounting, finance, management, marketing, and operations as they are with the technologies of programming, software development, networking, operating systems, database and web technology implementation.

The individual seeking a degree in Computer Information Systems must understand the difference between a degree in Computer Information Systems and a degree in Computer Science. While the Computer Science degree focuses on the products, methods, inventions, and standards used to develop and produce information systems, the focus of the Computer Information Systems degree is on the implementation, integration, application, management, and maintenance of information systems in all types of environments. As new technologies and information systems emerge, they must be appropriately applied across a broad range of organizations in support of specific operations. Computer Information System graduates combine their strong technology background with an equally strong understanding of organization, communication, and management skills to ensure the appropriate fit and application of technology within these organizations.

The Computer Information Systems degree provides the combination of coursework that prepares a student to meet this very complex and challenging role. The General Education coursework helps build the student’s people skills and problem-solving skills.
The General Business Component coursework builds the student’s understanding of modern organizations and the specific types of problems these organizations must solve using information systems. The Computer-related Component provides the student with a deep understanding of computer technologies, such as requirement analysis, programming, networking, database and web development. Finally, the student takes integrative coursework in management of information systems, business system analysis and design, project management, business analytics, and data mining. This combination of technological and organizational training produces highly competent cross-trained graduates that can apply information systems in the ever-growing job market of business and organizational information systems. Additionally, our students are encouraged to participate in internships that provide experiential exposure to the practical application of these principles.

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Computer Information Systems must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or higher, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

Students majoring in Computer Information Systems must maintain a 2.0 average in the General Business Component courses, a 2.0 average in the Computer Information Systems Component courses, and successfully complete IFS100 or IFS105 within the first 30 credits at the College. In addition, students must attain a 2.0 or higher in each course that serves as prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in a prerequisite course may lengthen the time to graduation. Students must also earn at least a 2.0 in their senior capstone course, BUS495. Students graduating with a declared major in Computer Information Systems may not simultaneously declare a minor in Information Systems.

**The required courses for the Computer Information Systems Major are:**

General Business Component Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT120</td>
<td>Applied Calculus*</td>
</tr>
<tr>
<td>MKT100</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>MGT150</td>
<td>Principles of Management**</td>
</tr>
<tr>
<td>IBS200</td>
<td>Introduction to International Business</td>
</tr>
<tr>
<td>ECO200</td>
<td>Principles of Economics-Macro*</td>
</tr>
<tr>
<td>ECO201</td>
<td>Principles of Economics-Micro*</td>
</tr>
<tr>
<td>ACC220</td>
<td>Financial Accounting</td>
</tr>
<tr>
<td>ACC225</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>QBA260</td>
<td>Business Statistics I</td>
</tr>
</tbody>
</table>

*Course fulfills a General Education or Area Distribution Requirement.
**Course is designated as a writing/communications-intensive course.
QBA265  Business Statistics II
FIN300  Managerial Finance I
IFS305  Management Information Systems
BUS345  Business Law I
MGT350  Operations Management**
BUS495  Business Strategy and Policy **

Computer Information Systems Component Courses
IFS175  Information Systems Development Fundamentals
IFS225  Programming for Business Applications
IFS285  Introduction to Database
IFS320  Web Development
IFS325  Introduction to Networks
IFS335  Network Services Design
IFS425  E-Commerce
IFS435  Project Management
IFS465  Business Analytics and Data Mining
IFS475  Information Security and Ethics

Computer Information Systems (suggested course sequence)

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>IT Competency <strong>OR</strong>(AND)</td>
<td></td>
</tr>
<tr>
<td>Personal Productivity Computing</td>
<td>0-3</td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>IS Development Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>32-35</td>
</tr>
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</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Business Statistics I and II</td>
<td>6</td>
</tr>
<tr>
<td>Programming for Business Applications</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Database</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
</tbody>
</table>

**Course is designated as a writing/communications-intensive course.**
Bachelor of Science Degree in Economics

The Economics Major equips students with the necessary skills to understand economic developments within our industrialized society. As globalization and politics continue to increase the complexity of nearly every industry in the world economy, there is increasing demand for professionals with both quantitative and communication skills to analyze and forecast business and economic trends. The Economics Major provides the knowledge and develops the skills needed to attain decision-making positions within government, academia, the financial sectors, and industry. It also serves as a strong foundation for graduate studies.

Requirements for Graduation:

To be eligible for graduation, students majoring in Economics must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or higher, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

Students majoring in Economics must maintain a 2.0 average in the General Business Component Courses, a 2.0 average in the Economics Component Courses,
and successfully complete IFS100 or IFS105 within the first 30 credits at the College. Students must also earn a grade of 2.0 or higher in the senior business capstone course (BUS495). In addition, students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of the catalog for specific prerequisites). Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. Students must also earn a grade of 2.0 or higher in their senior capstone course, BUS495. Students graduating with a declared major in Economics may not simultaneously declare a minor in Economics.

**The required courses for the Economics Major are:**

General Business Component Courses

- MAT120  Applied Calculus*
- MKT100  Principles of Marketing
- MGT150  Principles of Management**
- ECO200  Principles of Economics - Macro*
- ECO201  Principles of Economics - Micro*
- ACC220  Financial Accounting
- ACC225  Managerial Accounting
- QBA260  Business Statistics I
- QBA265  Business Statistics II
- FIN300  Managerial Finance I
- IFS305  Management Information Systems
- QBA315  Research Methods in Business
- BUS345  Business Law I
- MGT350  Operations Management**
- BUS495  Business Policy**

Economics Component Courses

- ECO360  Intermediate Macroeconomics
- ECO350  Intermediate Microeconomics
- ECO370  Money and Banking
- IBS400  International Economics
- ECO450  Economics and Finance Seminar

Choose five elective courses from:

- ECO300  Economic Perspectives
- ECO325  Mathematical Economics
- ECO340  Economic Development
- ECO375  History of Economic Thought
- ECO390  Managerial Economics
- FIN310  Real Estate Finance

*Course fulfills a General Education Requirement.

**Course is designated as a writing/communications-intensive course.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN340</td>
<td>Financial Institutions and Markets</td>
<td></td>
</tr>
<tr>
<td>BUS346</td>
<td>Business Law II OR ECO492/493</td>
<td></td>
</tr>
<tr>
<td>ECO490/491</td>
<td>Economics and Finance Internship</td>
<td></td>
</tr>
<tr>
<td>BUS498/499</td>
<td>Independent Study</td>
<td></td>
</tr>
<tr>
<td>PS352</td>
<td>Introduction to Public Finance</td>
<td></td>
</tr>
<tr>
<td>SOC220</td>
<td>American Social Problems</td>
<td></td>
</tr>
</tbody>
</table>

**Economics (suggested course sequence)**

*Freshman Year*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>IT Competency Exam OR (AND) Personal Productivity Computing</td>
<td>3</td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>32-35</strong></td>
</tr>
</tbody>
</table>

*Sophomore Year*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Business Statistics I and II</td>
<td>6</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td><strong>3-4</strong></td>
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<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>31-32</strong></td>
</tr>
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</table>

*Junior Year*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>Managerial Finance I</td>
<td>3</td>
</tr>
<tr>
<td>Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td><strong>3-4</strong></td>
</tr>
<tr>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>Research Methods In Business</td>
<td>3</td>
</tr>
<tr>
<td>Economics Elective</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>31-32</strong></td>
</tr>
</tbody>
</table>


### Bachelor of Science Degree in Engineering Management

The Engineering Management program combines core courses in both engineering and management fields with advanced business courses to provide the graduate the ability to design, improve, and solve problems with the business processes that create and deliver value to customers.

Engineering Management majors begin their studies in an engineering discipline, developing the fundamental analysis, critical thinking, and creative problem-solving skills traditionally associated with an Engineering discipline. Engineering Management majors then take advanced business courses and apply those analysis, critical thinking, and creative problem-solving skills to integrate business processes with the human element of management, to design and improve these processes throughout the supply chain.

### Requirements For Graduation:

To be eligible for graduation, students majoring in Engineering Management must complete a minimum of 133 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis. In addition, students majoring in Engineering Management must earn a grade of 2.0 or higher in every course in the Engineering Component and maintain a 2.0 average in the Management Component. Students must also earn a 2.0 or higher in their senior capstone course, BUS495.

### The required courses for the Engineering Management Major are:

#### Common Core Requirements (17 credit hours)

- WRT102 Analytical Reading and Writing (3)
- WRT202 Academic Writing (3)
- CM104 Human Communication (3)
- IFL101 Information Literacy (2)
- MAT171 Calculus I (4)
- Physical Education (2)

#### Area Distribution Requirements (18 credit hours)

- Area I: Fine Arts and Humanities (6)
- Area IV: American/Western Civilization and Government (6)
- Area V: International Studies/Foreign Language (6)
Free Electives (12 credits)

Math/Science Component (18 credits)
MAT172 Analytic Geometry and Calculus II
MAT272 Differential Equations
PHY160 Engineering Physics (Mechanics)*
PHY260 Engineering Physics (Electricity and Magnetism)*
PHY261 Engineering Physics (Electricity and Magnetism) Lab*

Business Component (45 credits)
MKT100 Principles of Marketing
MGT150 Principles of Management
ACC220 Financial Accounting
ACC225 Managerial Accounting
ECO200 Principles of Economics-Macroeconomics**
ECO201 Principles of Economics-Microeconomics**
FIN300 Managerial Finance I
IFS305 Management Information Systems
BUS345 Business Law I
MGT350 Operations Management
MGT355 Business Process Management
BUS495 Business Strategy and Policy
IBS___ International Business Elective (300-400 level only)

Choose two electives from the following:
MGT310 Lean Systems
QBA310 Management Science
IBS361 Global Supply Chain Management
IFS435 Project Management
MGT495 Continuous Improvement Consulting

Engineering Component (22-24 credits)
EGR100 EPADS I
ME250 Statics
ME264 Strength of Materials
ME265 Materials and Solids Lab
ECE280 Electrical Circuits
ECE281 Electronic Measurement and Signal Processing
EGR305 Statistical Design & Process Control
ME320 Thermodynamics

Choose one elective from the following:
ME260/261 Materials Science and Lab
ME252 Dynamics & Vibration

*Physics courses fulfill Area III Distribution Requirement.
**Economics courses fulfill Area II Distribution Requirement.
EGR342/ME351  Systems Modeling and Lab
ME360/361  Fluid Mechanics and Lab
ME480  Independent Study
EGR491  Co-Operative Learning

**Engineering Management (suggested course sequence)**

<table>
<thead>
<tr>
<th><strong>Freshman Year</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Calculus I and II</td>
<td>8</td>
</tr>
<tr>
<td>EPADS I</td>
<td>2</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Area Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
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</table>

<table>
<thead>
<tr>
<th><strong>Sophomore Year</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Physics</td>
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<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td>Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td>Area Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Statics</td>
<td>3</td>
</tr>
<tr>
<td>Statistical Design and Process Control</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>34</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Junior Year</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>Area Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td>Strength of Materials and Lab</td>
<td>4</td>
</tr>
<tr>
<td>Foundation of Electrical Engineering and Lab</td>
<td>4</td>
</tr>
<tr>
<td>Engineering Physics</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>
Bachelor of Science Degree with a Major in Entrepreneurship

The Entrepreneurship Major offers a curriculum that will prepare students to start their own businesses and/or to become project managers in a large business. According to the Small Business Administration (SBA), small businesses in the United States provide approximately 75% of the net new jobs added to the economy, represent 99.7% of all employers and employ 50.1% of the private work force. The bachelor’s degree in Entrepreneurship will provide students with the basic foundations of business administration while focusing on the unique factors that shape the entrepreneurial or small business endeavor. Coursework includes case studies, team projects, and real-world business consulting integrating such topics as principles of Internet use and web design, sources of financing, and the global marketplace—all designed to provide students with the tools necessary for entrepreneurial success. Students will develop business competency in effective business communication methods, problem-solving techniques, and critical thinking.

Requirements for Graduation:

To be eligible for graduation, students majoring in Entrepreneurship must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or higher, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

Students majoring in Entrepreneurship must maintain a 2.0 average in the General Business Component courses, a 2.0 average in the Entrepreneurship Component courses, and successfully complete IFS100 or IFS105 within the first 30 credits at the College. In addition, students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. Students must also earn a grade of 2.0 or higher in the senior capstone course, ENT495. Students graduating with a declared major in Entrepreneurship may not simultaneously declare a minor in Entrepreneurship.
The required courses for the Entrepreneurship Major are:

General Business Component Courses

MAT120  Applied Calculus*  
MKT100  Principles of Marketing  
MGT150  Principles of Management**  
ECO200  Principles of Economics - Macro*  
ECO201  Principles of Economics - Micro*  
ACC220  Financial Accounting  
ACC225  Managerial Accounting  
QBA260  Business Statistics I  
QBA265  Business Statistics II  
OBD280  Leadership and Change  
IFS305  Management Information Systems**  
FIN300  Managerial Finance I  
BUS345  Business Law I  
MGT350  Operations Management**  
IBS410  International Entrepreneurship  
ENT495  Business Plan Writing**  

Entrepreneurship Component Courses

ENT150  Introduction to Entrepreneurship  
ENT220  Entrepreneurial Marketplace  
ENT260  Entrepreneurship and Small Business Management  
ENT340  Legal and Ethical Aspects of Entrepreneurship  
ENT360  Financing Entrepreneurship Ventures  
ENT450  Small Business Consulting  

Entrepreneurship Electives — three of the following

ENT280  Gender and Minority Issues in Entrepreneurship  
ENT320  Introduction Franchising  
ENT490  Entrepreneurship Internship  
MKT335  New Product Planning & Marketing  
MKT355  Internet Marketing  

Entrepreneurship (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>IT Competency Exam OR (AND)</td>
<td></td>
</tr>
<tr>
<td>Personal Productivity Computing</td>
<td>0-3</td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

*Course fulfills a General Education Requirement.  
**Course is designated as a writing/communications-intensive course.
Information Literacy 2
Human Communication 3
Introduction to Entrepreneurship 3
Principles of Marketing 3
Principles of Management 3
Area I Distribution Requirement 6
Area IV Distribution Requirement 3

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Business Statistics I and II</td>
<td>6</td>
</tr>
<tr>
<td>Leadership and Change</td>
<td>3</td>
</tr>
<tr>
<td>Entrepreneurial Marketplace</td>
<td>3</td>
</tr>
<tr>
<td>Entrepreneurship and Small Business</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td>3-4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>Managerial Finance I</td>
<td>3</td>
</tr>
<tr>
<td>Legal and Ethical Aspects of Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>Financing Entrepreneurship Venture</td>
<td>3</td>
</tr>
<tr>
<td>ADR III Distribution Requirement</td>
<td>3-4</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Entrepreneurship</td>
<td>3</td>
</tr>
<tr>
<td>Business Plan Writing</td>
<td>3</td>
</tr>
<tr>
<td>Small Business Consulting</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Entrepreneurship Electives</td>
<td>9</td>
</tr>
<tr>
<td>Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

**Total Credits**

- Sophomore Year: 31-32
- Junior Year: 31-32
- Senior Year: 30-31
Bachelor of Science with a Major in Finance

The Finance major provides students with the academic background essential for pursuing careers in all areas of finance. The focus of study is a program in which students are exposed to decision-making in the corporate finance world, risk-return tradeoffs in the investments world, financial planning in financial intermediaries, and the importance of global markets. The Finance major requires students to develop technical skills and apply them to solve problems faced by financial managers. The Finance major prepares students for careers in corporate finance, commercial and investment banking, financial planning, financial analysis, and risk management.

Requirements for Graduation:

To be eligible for graduation, students majoring in Finance must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or higher, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

Students majoring in Finance must maintain a 2.0 average in the General Business Component courses, a 2.0 average in the Finance Component courses, and successfully complete IFS100 or IFS105 within the first 30 credits at the College. In addition, students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. Students must also earn a grade of 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. Students must also earn a grade of 2.0 or higher in their senior capstone course, BUS495. Students graduating with a declared major in Finance may not simultaneously declare a minor in Finance.

The required courses for the Finance Major are:

General Business Component Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT120</td>
<td>Applied Calculus*</td>
</tr>
<tr>
<td>MKT100</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>MGT150</td>
<td>Principles of Management**</td>
</tr>
<tr>
<td>ECO200</td>
<td>Principles of Economics-Macro*</td>
</tr>
<tr>
<td>ECO201</td>
<td>Principles of Economics-Micro*</td>
</tr>
<tr>
<td>ACC220</td>
<td>Financial Accounting</td>
</tr>
<tr>
<td>ACC225</td>
<td>Managerial Accounting</td>
</tr>
<tr>
<td>QBA260</td>
<td>Business Statistics I</td>
</tr>
<tr>
<td>QBA265</td>
<td>Business Statistics II</td>
</tr>
<tr>
<td>QBA315</td>
<td>Research Methods in Business</td>
</tr>
<tr>
<td>FIN300</td>
<td>Managerial Finance</td>
</tr>
<tr>
<td>IFS305</td>
<td>Management Info Systems</td>
</tr>
<tr>
<td>BUS345</td>
<td>Business Law I</td>
</tr>
<tr>
<td>MGT350</td>
<td>Operations Management**</td>
</tr>
</tbody>
</table>

*Course fulfills a General Education Requirement.

**Course is designated as a writing/communications-intensive course.
BUS495  Business Strategy and Policy**

Finance Component Courses

FIN320  Investments
FIN340  Financial Institutions
ECO390  Managerial Economics
IBS405  International Finance
FIN410  Managerial Finance II
FIN450  Finance Seminar**

Four elective courses chosen from the following:

ACC305  Taxation I
ACC320  Intermediate Accounting I
BUS346  Business Law II
IBS400  International Economics
FIN310  Real Estate Finance
FIN330  Risk Management and Insurance
PS352  Introduction to Public Finance
FIN420  Derivative Securities
ECO490/491  Finance Internship OR ECO492/493
BUS498/499  Independent Study

Required Electives-12 credits (These elective credits must be taken outside of the Department of Business Administration.)

Finance (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>IT Competency Exam OR Personal Productivity Computing</td>
<td>0-3</td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td>3-4</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>32-36</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

**Course is designated as a writing/communications-intensive course.
Bachelor of Science Degree with a Major in Management

Management is the process through which work is accomplished with and by the human resources in organizations. Broadly, it encompasses the major functions of setting organizational objectives and developing plans, organizing work, allocating resources, directing and leading others, and evaluating organizational and human performance. The courses offered in the Management area encompass all of these functions, and Management majors take at least one basic introductory course that covers each function. The Management major allows students to choose a minor in Human Resource Management, Leadership and Organization Development, or Operations Management. Students who do not choose a minor may pursue other courses within the Management area that fit their personal, academic, and career goals.
Requirements for Graduation:

To be eligible for graduation, students majoring in Management must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or higher, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

Students majoring in Management must maintain a 2.0 average in the General Business Component courses, a 2.0 average in the Management Component courses, and successfully complete IFS100 or IFS105 within the first 30 credits at the College. In addition, students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. Students must also earn a grade of 2.0 or higher in their senior capstone course, BUS495. Students graduating with a declared major in Management may not simultaneously declare a minor in Management.

The required courses for the Management Major are:

General Business Component Courses

- MAT120  Applied Calculus*
- MKT100  Principles of Marketing
- MGT150  Principles of Management
- ECO200  Principles of Economics-Macro*
- ECO201  Principles of Economics-Micro*
- ACC220  Financial Accounting
- ACC225  Managerial Accounting
- QBA260  Business Statistics I
- QBA265  Business Statistics II
- OBD280  Leadership and Change in Organizations
- IFS305  Management Information Systems
- FIN300  Managerial Finance I
- BUS345  Business Law I
- MGT350  Operations Management**
- BUS495  Business Strategy and Policy**

Management Component Courses

- BUS150  Introduction to Business
- QBA315  Research Methods in Business
- IBS375  International Management
- MGT445  Ethical Leadership & Social Responsibility in Organizations**

Management Electives Sequence: choose one option

*Course fulfills a General Education Requirement.
**Course is designated as a writing/communications-intensive course.
Human Resource Minor

MGT220  Human Resource Management
MGT315  Human Resource Development
OBD225  Organizational Behavior
MGT330  Labor Relations OR
MGT420  Employment Law
MGT435  Recruitment and Selection in HR

Leadership and Organizational Development Minor

MGT220  Human Resource Management
OBD225  Organizational Behavior
BUS350  Management of Not-for-Profit Organizations
OBD345  Organization Theory
OBD385  Industrial/Organizational Psychology

Operations Minor

MGT310  Lean Systems
MGT349  Service Operations
IBS361  Global Supply Chain Management
MGT460  Advanced Operations Management
MGT495  Continuous Improvement Consulting

Management Elective Sequence

MGT220  Human Resource Management
OBD225  Organizational Behavior

Three additional Management electives with at least one course at the 400-level

Required Electives-16-18 credits (Twelve of these elective credits must be taken outside of the Department of Business Administration. The remaining electives may be used to complete a minor.)

**Management (suggested course sequence)**

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>IT Competency Exam OR</td>
<td></td>
</tr>
<tr>
<td>Personal Productivity Computing</td>
<td>0-3</td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>32-35</strong></td>
</tr>
</tbody>
</table>
## Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Business Statistics I and II</td>
<td>6</td>
</tr>
<tr>
<td>Leadership and Change</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

## Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Managerial Finance I</td>
<td>3</td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>International Management</td>
<td>3</td>
</tr>
<tr>
<td>Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>Management Electives</td>
<td>6</td>
</tr>
<tr>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td>3-4</td>
</tr>
<tr>
<td>Required Electives</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

## Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Methods In Business</td>
<td>3</td>
</tr>
<tr>
<td>Business Strategy and Policy</td>
<td>3</td>
</tr>
<tr>
<td>Ethical Leadership &amp; Social Responsibility in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirements</td>
<td>3-4</td>
</tr>
<tr>
<td>Management Electives</td>
<td>9</td>
</tr>
<tr>
<td>Required Electives</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30-31</strong></td>
</tr>
</tbody>
</table>

**Bachelor of Science Degree with a Major in Marketing**

The bachelor of science degree with a major in Marketing is designed to meet the needs of students planning a career in marketing. The wide range of marketing courses and electives offered by the Department mirrors the wide range of occupations open to the professional marketer. Businesses employ individuals with skills and expertise in marketing as advertising copywriters, advertising strategists, brand managers, global marketing strategists, logistics managers, market analysts, market researchers, merchandise managers, professional salespeople, retail buyers, retail store managers, and sales managers.
Requirements for Graduation:

To be eligible for graduation, students majoring in Marketing must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or higher, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

Students majoring in Marketing must maintain a 2.0 average in the General Business Component courses, a 2.0 average in the Marketing Component courses, and successfully complete IFS100 or IFS105 within the first 30 credits at the College. In addition, students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. Students must also earn a grade of 2.0 or higher in their senior capstone course, BUS495. Students graduating with a declared major in Marketing may not simultaneously declare a minor in Marketing.

The required courses for the Marketing Major are:

General Business Component Courses

- MAT120  Applied Calculus*
- MKT100  Principles of Marketing
- MGT150  Principles of Management
- ECO200  Principles of Economics-Macro*
- ECO201  Principles of Economics-Micro*
- ACC220  Financial Accounting
- ACC225  Managerial Accounting
- QBA260  Business Statistics I
- OBD280  Leadership and Change in Organizations
- FIN300  Managerial Finance I
- IFS305  Management Information Systems
- QBA265  Business Statistics II OR
- QBA310  Management Science
- BUS345  Business Law I
- MGT350  Operations Management**
- BUS495  Business Strategy and Policy**

Marketing Component Courses

- MKT210  Market Measurement and Analysis**
- IBS370  International Marketing
- MKT450  Marketing Research
- MKT475  Marketing Policies and Strategies**

*Course fulfills a General Education Requirement.
**Course is designated as a writing/communications-intensive course.
Marketing Elective Sequence: Choose one of the following options

**Retailing Minor**

- MKT230  Retailing
- MKT320  Retail Buying and Merchandising
- MKT355  New Product Planning

Two Marketing Electives from:

- MKT220  Personal Selling
- MKT310  Fashion Marketing
- MKT340  Logistics
- MKT360  Consumer Behavior

**Marketing Communication Minor**

- MKT220  Personal Selling
- CM221  Introduction to Public Relations
- MKT330  Advertising
- MKT355  Internet Marketing

One Marketing Elective

**Marketing Management Minor**

- MKT340  Logistics
- MKT350  Business Marketing
- MKT355  Internet Marketing
- MKT380  Sales Management

One Marketing Elective

**Hospitality Marketing Minor**

- CM221  Introduction to Public Relations
- CM324  Event Marketing
- MKT325  Hospitality Marketing
- MKT345  Tourism Marketing
- IBS370  International Marketing

**Marketing Elective Sequence:**

Five Marketing electives with at least three courses at the 300-level or above.

Required Electives 16-18 credits (Twelve of these elective credits must be taken outside of the Department of Business Administration. The remaining electives may be used to complete a minor.)

**Marketing (suggested course sequence)**

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>IT Competency Exam OR</td>
<td></td>
</tr>
<tr>
<td>Personal Productivity Computing</td>
<td>0-3</td>
</tr>
</tbody>
</table>
Applied Calculus 3  
Information Literacy 2  
Principles of Marketing 3  
Principles of Management 3  
Area I Distribution Requirement 3  
Area IV Distribution Requirements 3  
Area V Distribution Requirements 3  
Human Communication 3  
Required Elective 3  
\[ \text{Total Credits: } 32-35 \]

**Sophomore Year**  
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Business Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>Management Science OR Business Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>Market Measurement and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>Marketing Elective or Intro to Pub. Relations</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td>3-4</td>
</tr>
<tr>
<td>Required Elective</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
</tbody>
</table>

| Total Credits: | 31-32 |

**Junior Year**  
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>Marketing Electives</td>
<td>6</td>
</tr>
<tr>
<td>International Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Required Elective</td>
<td>3</td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
</tbody>
</table>

| Total Credits: | 31 |

**Senior Year**  
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Strategy and Policy</td>
<td>3</td>
</tr>
<tr>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>Marketing Policies &amp; Strategies</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td>3-4</td>
</tr>
<tr>
<td>Required Electives</td>
<td>9</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Marketing Elective</td>
<td>6</td>
</tr>
</tbody>
</table>

| Total Credits: | 30-31 |
ASSOCIATE OF SCIENCE DEGREE PROGRAMS:

Associate of Science Degree with a Major in Business Administration

The associate of science degree with a major in Business Administration is viewed as the first step toward a baccalaureate degree in business. Courses in the associate degree program fulfill many of the General Business Component Courses in the baccalaureate programs offered by the Department of Business Administration.

Requirements for Graduation:

To be eligible for graduation, students majoring in Business Administration must complete a minimum of 67 credits, achieve a cumulative grade point average of 2.0 or higher, and complete the General Education Requirements of the College. Courses used to complete general education requirements may not be taken on a pass/fail basis. Students majoring in Business Administration must successfully complete IFS100 or IFS105 within the first 30 credits at the College. In addition, students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation.

The required courses for the Business Administration Major are:

General Business Component Courses

- MKT100  Principles of Marketing
- MGT150  Principles of Management
- ECO200  Principles of Economics-Macro*
- ECO201  Principles of Economics-Micro*
- ACC220  Financial Accounting
- ACC225  Managerial Accounting

Business Administration Component Courses

- QBA260  Business Statistics I
- BUS345  Business Law I

Three Business Electives (A Business elective is any course offered in the Department of Business Administration with the following prefixes-ACC, BUS, ECO, FIN, IBS, IFS, MGT, MKT, OBD, and QBA.) Before enrolling in a course as a Business elective, students must meet the prerequisites and conditions of the course as outlined in the course description.

Required Electives-six credits

*Course fulfills a General Education Requirement.
Business Administration (suggested course sequence)

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>IT Competency Exam</td>
<td></td>
</tr>
<tr>
<td>Personal Productivity Computing</td>
<td>0-3</td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Required Electives</td>
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Total: 32-36

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>Principles of Economics</td>
<td>6</td>
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<tr>
<td>Financial Accounting</td>
<td>3</td>
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<tr>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Business Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>Business Law I</td>
<td>3</td>
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<tr>
<td>Business Electives</td>
<td>9</td>
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<tr>
<td>Area IV Distribution Requirement</td>
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<td>Area III Distribution Requirement</td>
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</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>

Total: 35

DEPARTMENTAL MINORS

**Minor in Accounting**

The minor in Accounting provides students with a theoretical understanding of accounting. This background is useful for students majoring in related fields such as Finance, Informatics, or Business Administration.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. Students graduating with a declared major in Accounting may not simultaneously declare a minor in Accounting.

**Requirements of the Accounting Minor (18 credits):**

- ACC220  Financial Accounting
- ACC225  Managerial Accounting
- ACC320  Intermediate Accounting I
- ACC325  Intermediate Accounting II
Two Accounting Electives [An Accounting elective is any course beginning with an ACC prefix (or IBS415) that is not required in the Accounting minor and for which the prerequisite is met.]

**Minor in Advertising**

The Advertising minor provides students with the opportunity to explore the full range of the advertising process including advertising theory, advertising strategy, ad copywriting, media planning, and ad production. Pursuing an Advertising minor is especially beneficial to students planning careers in advertising, public relations, or any area of marketing communication.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation.

**Requirements in Advertising Minor (18 credits):**

- MKT100  Principles of Marketing
- MKT330  Advertising
- MKT360  Consumer Behavior
- MKT390  Advanced Advertising

Two courses chosen from the following:

- ART110  Concepts of Design
- ART134  Concepts of Computer Graphics
- ART215  Drawing I
- ART246  Digital Photography
- CM120  Broadcast Performance I

**Minor in Business Administration**

The minor in Business Administration provides non-business students with an opportunity to explore basic business courses and supplement their major field of study. Non-business majors interested in pursuing an MBA would benefit by completing this minor as a foundation for most MBA programs.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. This minor is not available to students selecting any of the majors offered by the Department of Business Administration, including Informatics.

**Requirements of the Business Administration Minor (18 credits):**

- BUS150  Introduction to Business
- MKT100  Principles of Marketing
- ACC220  Financial Accounting
ECO200  Principles of Economics-Macro (can be used to satisfy ADR II)
BUS345  Business Law I

One Business Elective (A Business elective is any course beginning with prefixes ACC, BUS, ECO, ENT, FIN, IFS, MGT, MKT, OBD, QBA that is not required for the minor and for which the prerequisite is met.)

**Minor in Economics**

The Economics minor provides students with the ability to analyze a broad range of socioeconomic phenomena and policy. Regulation, environmental protection, economic growth and development, the distribution of income, inflation, and the level of employment are the basics of economics. Economics contains the theoretical core for business finance, accounting, and marketing and provides a solid foundation for graduate work in business administration and law.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation.

**Requirements of the Economics Minor (18 credits):**

ECO200  Principles of Economics-Macro
ECO201  Principles of Economics-Micro
ECO360  Intermediate Macroeconomics
ECO390  Managerial Economics
ECO400  International Economics

Plus one of the following:

ECO300  Economic Perspectives
ECO350  Intermediate Microeconomics
ECO490  Economic Internship
BUS498  Independent Study

**Minor in Entrepreneurship (21 credits)**

The minor in Entrepreneurial Studies focuses on topics such as innovation, change, the development of new business firms and formulating new business plans. Students planning to pursue careers in small business, whether a family-owned business or a new venture, will find this minor beneficial.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation.

ENT150  Introduction to Entrepreneurship
MKT100  Principles of Marketing
MGT150  Principles of Management
ENT220  The Entrepreneurial Marketplace  
ENT260  Entrepreneurship and Small Business Management

One course selected from the following:  
ENT280  Gender and Minority Issues in Entrepreneurship  
ENT320  Introduction to Franchising

**Minor in Finance**

The minor in Finance provides the student with some specialization in the area of financial services. This growing service area includes careers in banking, brokerage firms, investments, and insurance.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. Students graduating with a declared major in Finance may not simultaneously declare a minor in Finance.

**Requirements of the Finance Minor (15 credits):**

- ECO200  Principles of Economics-Macro  
- ECO201  Principles of Economics-Micro  
- FIN300  Managerial Finance I  
- FIN320  Investments  
- FIN410  Managerial Finance II

One course selected from the following:  
ACC305  Taxation I  
ACC320  Intermediate Accounting I  
BUS346  Business Law II  
FIN310  Real Estate Finance  
FIN330  Risk Management and Insurance  
FIN420  Derivative Securities  
BUS498  Independent Study

**Minor in Hospitality Marketing**

The Hospitality Marketing minor covers the basics of marketing in the hospitality industry. This industry is one of the fastest growing segments of the service economy. The Hospitality Marketing minor is designed for students interested in a career in any aspect of the hospitality industry including lodging, restaurants, clubs, resorts, and events like concerts or sports contests.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation.
Requirements for Hospitality Marketing Minor (18 credits):

- MKT100  Principles of Marketing
- CM221  Introduction to Public Relations
- MKT325  Hospitality Marketing
- CM324  Event Marketing
- MKT345  Tourism Marketing
- IBS370  International Marketing

Minor in Human Resource Management

The Human Resource Management minor emphasizes the skills and abilities needed by professionals who work in human resource or training and development units of organizations. Topics covered in these courses include recruitment, selection, and training of human resources, employment law, and labor relations. A student declaring a Human Resource minor may not also declare a Management minor.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation.

Requirements of the Human Resource Minor (18 credits):

- MGT150  Principles of Management
- OBD225  Organizational Behavior
- MGT220  Human Resource Management
- MGT315  Human Resource Development
- MGT330  Labor Relations OR
- MGT420  Employment Law
- MGT435  Recruitment/Selection of Human Resources

Minor in Information Systems

The minor in Information Systems provides a foundation in information systems, which along with the chosen major enables a student to pursue entry-level information systems career opportunities in specialized fields of expertise.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. Students graduating with a declared major in Computer Information Systems may not simultaneously declare a minor in Information Systems.

Requirements of the Information Systems Minor (18 credits):

- One 100-level course
  (Choose from IFS105, IFS160, IFS175, IFS180)
- One 200-level course
  (Choose from IFS200, IFS205, IFS225)
Two 300-level courses
(Choose from IFS305, IFS320, IFS325, IFS335, IFS350)
Two 400-level courses
(Choose from IFS410, IFS435, IFS440, IFS460, IFS465, IFS475, IFS490, IFS491)

Minor in International Business

The minor in International Business is designed to add international business acumen to students acquiring a non-business degree. Whether majoring in Business or not, students in all majors will be confronted with marketing their skills and interacting with business in a globally competitive environment. Students planning to apply their non-business degree in an international setting will find this minor beneficial whether marketing themselves, their ideas, or their abilities. The International Business minor allows the non-business major to add both insight into business and in-depth international experience to their chosen degree.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation.

Requirements of the International Business Minor (18-24 credits):

- BUS150 Introduction to Business
- IBS200 International Business

Choose one of the following three course sequences: (6 credits)

Marketing Sequence
- MKT100 Principles of Marketing
- IBS370 International Marketing

Management Sequence
- MGT150 Principles of Management
- IBS375 International Management

Law Sequence
- BUS345 Business Law I
- PS307 International Law

One course from the following (3 credits)
- PS302 International Relations
- G344 Economic Geography

Language Competency (See section below International Management minor for definition of Language Competency.) (6 credits)

Study Abroad Experience or International Studies (regional) Course (See section below International Management Minor for Study Abroad Information.) (3 credits)
(International Studies course selections are: INT101, INT143, INT144, INT145, INT146, INT147, INT150)

Minor in International Management

For the Business minor, the International Management minor rounds out their strong comprehensive Business curriculum by adding an in-depth international exposure that combines both cultural and practical experience. The International Management minor deepens the Business degree major’s understanding of how organizations function in an intensely integrated global environment while broadening the cultural understanding via foreign language, coursework involving international relations or economic geography, and the opportunity to study abroad.

In addition to Business Department coursework, International Management minors will be required to satisfy a language competency and complete either a study abroad experience or international coursework.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation or preclude a student from completing this minor.

Requirements of the International Management Minor (18-24 credits):

- IBS370 International Marketing
- IBS375 International Management
- IBS400 International Economics

Select one course from the following

- PS302 International Relations
- G344 Economic Geography

Language Competency (0-6 credits) (See the Language Competency section below for more information.)

Select one of the following options:

- Study Abroad Experience (See section below the International Management Minor for Study Abroad Information.)
  - International Business Course: IBS405, IBS415, PS307
  - International Studies (regional) Course: INT101, INT143, INT144, INT145, INT146, INT147, INT150. The course selected must be related to the geographic area in which the language from the student’s language competency coursework is the primary language.

Language Competency Requirement Explanation

All International Business and International Management minors must demonstrate a language competency in English and at least one other language. Language competency may be fulfilled by 1) successful completion of at least two successive college-level courses in a foreign language (advanced placement credits are acceptable for this competency), 2) residency in another country that resulted
In language competency; or 3) demonstrated competency from another source, e.g., the language was spoken and written at home to the level that the student is competent. Verification of language competency other than successful completion of two successive college-level courses or advanced placement must be obtained from the English and Humanities Department’s language coordinator. Verification of language competency by the English and Humanities Department can only be granted for languages taught at York College. Competency in English, for those students not having English as their primary language, will be assumed upon successful completion of WRT102, WRT202, and CM104 in the Common Core Requirements. Demonstration of language competency, English or foreign, does not exempt students from ADR V requirements. It is strongly recommended that students demonstrating language competency take either advanced language courses or fulfill the ADR V requirement by taking an additional language.

_Study Abroad Experience or International Regional Coursework Requirement Explanation:_

All students minoring in International Business or International Management must either complete a semester abroad or fulfill three credits of international coursework. Students opting to study abroad must complete and transfer back at least three credits to satisfy this requirement. Study abroad is recommended in the latter half of the student’s sophomore or junior year. The student may attend any foreign college or university approved by the study abroad advisor. A grade of 2.0 or better must be obtained in any course taken abroad in order for credit to transfer back to York College. U.S.-born students attempting either of these minors must have a valid passport by the start of their sophomore year with an expiration date extending beyond the planned study abroad semester. International students must make certain they have all travel documentation required to complete the study abroad requirement. The study abroad option is preferred for both minors.

_Minor in Leadership and Organization Development_

Students completing the minor in Leadership and Organization Development will be equipped with the tools necessary to identify organizational vision and values, align structure with environment and vision, identify and strengthen communication networks, articulate and measure results, build teams, aid in conflict management, and develop performance enhancement strategies. This minor will provide students with the opportunity for cross-disciplinary study and is an excellent foundation for students who desire a graduate degree in either Human Resource Management or Organizational Behavior and Development.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation.
Requirements of the Leadership and Organization Development Minor (18 credits):

- MGT150  Principles of Management
- OBD225  Organizational Behavior
- OBD280  Leadership and Change
- OBD345  Organizational Theory and Processes
- BUS350  Management of Not-for-Profit Organizations
- MGT445  Ethical Leadership

Minor in Management

The minor in Management affords students the flexibility to tailor their management coursework to fit their chosen career goals. For example, students can choose a course from each facet of management such as operations, human resource/labor relations, and small business, or can choose two courses in operations and two courses in human resources. The minor, along with the chosen major, enables a student to pursue management career opportunities in specialized fields. A student declaring a Management minor may not also declare a Human Resource or Operations minor.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. Students graduating with a declared major in Management may not simultaneously declare a minor in Management.

Requirements of the Management Minor (18 credits):

- MGT150  Principles of Management
- MGT220  Human Resource Management
- IFS305  Management Information Systems
- IBS375  International Management
- IFS435  Project Management
- MGT445  Ethical Leadership & Social Responsibility in Organizations

Minor in Marketing

The Marketing minor is designed to be of benefit to students planning a career in a field related to marketing. Since the opportunities in marketing are so broad, the requirements for the minor are designed to give the student as much flexibility as possible. The Marketing minor would be especially beneficial to individuals planning to seek positions as advertising copywriters, advertising strategists, brand managers, global marketing strategists, logistics managers, market analysts, market researchers, professional salespeople, public relations specialists, and sales managers.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation. Students graduating with a declared major in Marketing may not simultaneously declare a minor in Marketing.
Requirements of the Marketing Minor (15 credits):

- MKT100  Principles of Marketing
- MKT350  Business Marketing
- MKT360  Consumer Behavior
- MKT410  Marketing Ethics

One course chosen from the following:

- MKT210  Market Measurement and Analysis
- MKT220  Personal Selling
- MKT230  Retailing
- MKT310  Fashion Marketing
- MKT320  Retail Buying/Merchandising
- MKT325  Hospitality & Tourism Marketing
- MKT330  Advertising
- MKT335  Internet Marketing
- MKT355  New Product Planning & Marketing
- MKT340  Logistics
- IBS370  International Marketing
- MKT380  Sales Management
- MKT390  Advanced Advertising
- MKT410  Marketing Ethics
- MKT450  Marketing Research
- MKT475  Marketing Policy & Strategy
- MKT490  Marketing Internship

Minor in Marketing Communication

The Marketing Communications minor is designed for students interested in a career in the promotion aspects of any organization that requires communicating with the various publics of an organization. The minor covers how to communicate with the various publics using traditional and non-traditional media and methods available to marketing departments and organizations. A student interested in a career as a spokesperson or in the communications department of a business organization would find the Marketing Communications minor to be especially beneficial.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation.

Requirements for Marketing Communications Minor (18 credits):

- MKT100  Principles of Marketing
- MKT210  Market Measurement and Analysis
- CM221  Introduction to Public Relations
- MKT220  Personal Selling
- MKT355  Internet Marketing
Minor in Marketing Management

The minor in Marketing Management is designed to provide the tools for managing some aspect of the marketing function. The minor examines how to manage key elements of marketing including product management and distribution. It includes special emphasis on marketing in the B2B market, and students planning on a career marketing to business or government clients will find the Marketing Management minor to be especially useful.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation.

Requirements for Marketing Management Minor (18 credits):

- MKT100  Principles of Marketing
- MGT150  Principles of Management
- MKT340  Logistics
- MKT350  Business Marketing
- MKT355  New Product Planning
- MKT380  Sales Management

Minor in Operations Management

In the Operations Management minor, students study the transformation process where inputs and the efforts of human resources combine to create a product or service. Here, topics of importance include advanced operations, inventory management, purchasing, and logistics. The Operations Management minor prepares students for entry-level positions such as a production planner, buyer, or inventory analyst. A student declaring an Operations Management minor may not declare a Management minor. Non-business majors will require extensive prerequisite work above these 21 credits.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation.

Requirements for Operations Management Minor (21 credits):

- MGT150  Principles of Management
- MGT310  Lean Systems
- MGT349  Service Operations
- MGT350  Operations Management
- IBS361  Global Supply Chain Management
- MGT460  Advanced Operations Management
- IFS435  Project Management OR
- MGT495  Continuous Improvement Consulting
- BUS498  Independent Study
Minor in Quantitative Management

The minor in Quantitative Management is designed for students who want to develop quantitative skills to supplement their major and career fields. This minor would be especially advantageous to students interested in quantitative research, engineering, operations research, or computer science.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation.

Requirements for Quantitative Management Minor (18 credits):

- MAT120  Applied Calculus OR
- MAT171  Calculus
- MAT260  Elem. Linear Algebra
- QBA260  Business Statistics I OR
- MAT250  Elements of Statistics
- QBA265  Business Statistics II
- QBA310  Management Science
- EGR305  Statistical Design and Process Control

Minor in Retailing

The minor in Retailing is designed to be of benefit to students planning a career in or related to retailing. Retailing careers fall into two broad areas. The first is operations, which would include department management, store management, and district management. The other area of retailing is merchandising, which would include merchandise buying, merchandise display, and merchandise planning.

Students must attain a 2.0 or higher in each course that serves as a prerequisite to a subsequent Business course. (Refer to the course description section of this catalog for specific prerequisites.) Failure to attain a 2.0 in prerequisite courses may lengthen the time to graduation.

Requirements for Retailing Minor (18 credits):

- MKT100  Principles of Marketing
- MKT230  Retailing
- MKT320  Retail Buying
- MKT355  Internet Marketing

Two courses chosen from the following:

- MKT220  Personal Selling
- MKT310  Fashion Marketing
- MKT340  Logistics
- MKT360  Consumer Behavior
As professional educators, members of the Department of Education believe that the quintessential challenge in education is the quality preparation of candidates for a profession in education. To achieve this goal, the mission of the Department is to develop skills in critical thinking, decision-making, and cognitive and affective development. The Department is committed to the preparation of students who are highly skilled in the dynamics of human growth, a receptiveness to change and innovation, and the ability to empower learners with the requisite knowledge, skills, and attitudes to become lifelong learners. As well, the Department seeks to educate future teachers who are committed to their own lifelong learning.

The Department of Education currently offers a baccalaureate degree in Elementary Education (K-6), Elementary Education (K-6)/Special Education (N-12), Music Education (K-12), as well as degrees in several secondary certification programs (7-12) in cooperation with other academic departments. Secondary certification options include: Biology, English, General Science, Mathematics, and Social Studies. These certification programs are also available to individuals already holding an undergraduate or graduate degree in another discipline. In addition, it provides an option through the Alternate Program for careers other than the traditional K-12 classroom teaching setting. The Department also offers a master of education degree with concentrations in Educational Leadership or Reading Specialist. Additionally, it serves as a center for professional development offering courses, workshops, and other educational experiences that meet Pennsylvania Department of Education mandates under Act 48 for continuing educational certification.

QUALITY OF INSTRUCTION

Each year, York College Education majors take the PRAXIS exams, a series of four to six tests administered by the Educational Testing Service. Successful completion of these exams is a requirement for certification in the Commonwealth of Pennsylvania as well as many other states. They are also an indication of the strength of the instructional program. York College students are well prepared for successful careers as classroom teachers.

PROGRAM PRINCIPLES

Teachers will play an increasingly central role in the social and cognitive development of youth. Accordingly, we believe that these professionals must serve as intellectual and personal models to their students. It is in this spirit that the Teacher Education Program commits itself to the following Principles of Effective Teaching:

1. Effective teaching demands a dedication to learning and development.
2. Effective teaching requires an understanding of how learning occurs and the interpretation of student needs to assure continuous progress in learning.
3. Effective teaching is an ongoing process of assessing needs, planning instruction, and evaluating results.
4. Effective teaching requires the utilization and integration of knowledge derived from many academic areas.
5. Effective teaching requires teachers who are intellectual and personal models for students.

GENERAL OBJECTIVES

The prospective teacher will:
1. Demonstrate effective communication skills in oral, written, and nonverbal behavior;
2. Demonstrate knowledge of human development and its implications for the teaching-learning situation;
3. Be able to define the roles and responsibilities of teachers and other school staff members;
4. Be able to describe the American educational system with respect to its historical, sociological, and philosophical foundations as well as its functions in today’s society;
5. Demonstrate an acceptable degree of skill in applying educational principles in an instructional setting; and
6. Demonstrate the characteristics of a professional.

ADMISSION, ADVANCEMENT, AND RETENTION IN TEACHER EDUCATION*

The Teacher Education Program at York College reflects the research and practices that have been identified as fostering excellence in teaching. We strive to advance only the highest caliber teacher candidates at each level of the preparatory program. The minimum grade point average required of our students in order to advance to the professional semester reflects our belief that teachers must serve as intellectual models for their students. In addition to a demonstrated level of intellectual competence, we consider certain attributes to be associated with the caliber of teacher we desire to graduate from our program. (See section titled Advancement to Student Teaching.)

Admission to Degree Program

Elementary Education, Elementary Education/Special Education, Music Education, and Secondary Certification students must meet the general admission requirements of the College. Admission to the Education Program does not guarantee advancement to the Pre-Professional Educator Status in the Teacher Education Program nor to Student Teaching Semester.

The York College Department of Education requires that all education majors provide a clear Pennsylvania State Police Criminal Record Check (Act 34), a clear Pennsylvania Department of Public Welfare Child Abuse History Clearance (Act 33). The York College Department of Education is approved by the Pennsylvania Department of Education (PDE) as a certifying agency. From time to time PDE enacts new regulations or mandates that supersede the requirements listed in the York College catalog. Students are encouraged to meet with their advisors on a regular basis to keep abreast of any changes or modifications in state regulations.

*From time to time PDE enacts new regulations or mandates that supersede the requirements listed in the York College catalog. Students are encouraged to meet with their advisors on a regular basis to keep abreast of any changes or modifications in state regulations.
and a clear Federal Criminal History Record (Act 114). These clearances must be submitted to the Department of Education prior to participation in any Field Experience and as a requirement to obtain PPES (Pre-Professional Educator Status). It is also required that all three clearances be updated and submitted to the York College Department of Education prior to entering the Student Teaching Semester, EE/SE/SPE404. The updated clearances must be requested and dated no more than six months prior to the first day of student teaching. Clearances are only accepted by the Department of Education if they show the following status:

- A clear Pennsylvania State Police Criminal Record Check must have a status of “No Record.”
- A clear Pennsylvania Department of Public Welfare Child Abuse History Clearance must state “No Record Exists.”
- A clear Federal Criminal History Record must read, “A search of the fingerprints on the above individual has revealed no prior arrest.”

If a record exists at any of the above referenced points the student will be refused permission to move forward in York College’s Teacher Preparation Program and may not be readmitted until the record has been expunged and all clearances have been resubmitted to the York College Department of Education.

Freshmen normally schedule general education classes and not education courses. With the exception of ED221 Introduction to American Education, ED200 Instructional Technology, and early placement in a Field Experience, freshmen do not normally participate in coursework in the professional education block (designated by an EE or SE prefix).

At the time of admission to the College, students enter as pre-candidates and are assigned a faculty advisor.

**Advancement to Pre-Professional Educator Status (PPES)**

Application for Pre-Professional Educator Status in the Teacher Education Program is made after satisfactory completion of the following criteria:

1. An overall GPA of 2.80 for those admitted on or after July 2, 2008 and within the first 48 credits at York College of Pennsylvania.
2. Successful completion of WRT102, WRT202, CM104, two math courses, and ED221 with a minimum grade of 3 in each course.
3. Acceptable performance on the PRAXIS I PPST reading, writing, and mathematics exams. (This includes transfer students.)
4. Evidence of successful completion of 30 hours of Field Experience must be provided by the applicant by presenting the appropriate copies of the Attendance and Evaluation Forms.

**Field Experience**

The importance of being in the K-12 classroom prior to student teaching is confirmed through the opportunities provided by the Field Experience Program. Specifically, there is a mandatory in-school experience required of all those who seek teacher certification.
Each candidate is to accumulate a minimum of 150 hours of Field Experience time. This entails working with students in a classroom setting as an instructional assistant, or minimally, as an observer. In this setting, students are encouraged to become actively involved in the teaching process. Each candidate is expected to have had five such experiences (of 30 hours each) prior to the Student Teaching Semester. Three of these five settings must be in a public school classroom environment and at least one of these in an urban public school.

**Retention in the Program**

Retention in the Program is based upon the following criteria:

1. An overall GPA of 2.80 for those admitted on or after July 2, 2008, and at the time of Pre-Professional Educator Status.
2. Compliance with, and successful progression toward, completion of Field Experience requirements (as specifically outlined in the Field Experience Handbook.)
3. Possession of the personal and professional attributes that are consistent with effective teaching.
4. Compliance with the Academic Integrity Policy of York College. Violation of this policy will result in dismissal from the Program.

**Advancement to Student Teaching**

One year prior to the academic term of the Student Teaching Semester students will complete an application form. All applications for student teaching must be submitted one year prior to the Student Teaching Semester. At the end of the semester when application is made, students must have a GPA of 3.00 or higher, have completed a minimum of 120 hours of Field Experience, have successfully completed the PRAXIS I PPST Writing, Reading and Mathematics Exams and been approved for Pre-Professional Educator Status. Applicants’ records are reviewed by the Coordinator of Field Experience.

**Qualifications for Release of Student Teaching Placement:**

1. A minimum cumulative GPA of 3.00
2. Successful completion of 150 hours of Field Experience
3. Successful completion of all professional courses as designated on departmental checklists. (All ED, EE, SPE and SE courses, English and Speech, PSY221, ED370, MUS291, ART396, Science and Math, Literature and other required courses must be taken for a grade, 2.0 or higher, and may not be taken on a pass/fail basis.)
4. Affirmation by the Coordinator of Field Experience, based upon 1-3 above, and demonstration of the requisite professional and personal attributes consistent with effective classroom teachers. The latter consists of:
   - Competence in written and oral expression
   - Professional attitude
Programs of Study

Personal enthusiasm
Ethical, moral character
Personal organization
Ability to meet deadlines
Good interpersonal skills
Ability to accept and profit from constructive criticism
Personal maturity
Use of prudent judgment
Class attendance
Demonstrated interest in educational activities
(special events, Student Education Association, etc.)

(Note: Students who have not removed deficiencies in their professional or academic specialization courses and those who are on academic or disciplinary probation cannot be granted permission to enroll in the Student Teaching Semester.)

If there are any circumstance(s) (geographical, family, economical, physical, or psychological) of which the Department of Education should be made aware, which may affect the safety of the candidate or that of the student(s) with whom he/she shall be working, it (they) should be shared with the Coordinator of Field Experience (written and in a sealed envelope).

A review process exists for students who wish to appeal a decision made by the Coordinator of Field Experience or the Department of Education and is detailed in the Pre-Education and Education Major Handbook.

THE STUDENT TEACHING SEMESTER

The Student Teaching Semester consists of two courses and student teaching. One course is completed within a four-week period; another (Student Teaching Practicum) continues throughout the semester. Student teaching begins the first day of the semester and continues to the end of the academic term. During the first four weeks, student teachers will be in their assigned classrooms every day, Monday through Thursday, and attend class on campus during Friday afternoons (afternoons that they do not have class, the student teacher should remain in their classroom). Beginning the fifth week, student teachers will be in the assigned classrooms all day. There is a stipulation that students take no additional coursework during the Student Teaching Semester. Additionally, students are strongly advised not to hold a job, coach, be involved in an organization, or be involved in any extracurricular activities during the Student Teaching Experience.

Student Teaching

The Department of Education endeavors to make suitable arrangements for students admitted to the Student Teaching Semester. It cannot guarantee assignments. It should be noted that student teachers adhere to the district calendar, policies, and practices adopted by the school to which they are assigned. York College provides liability insurance for its student teachers.
Removal from Student Teaching

A student teacher may be removed from student teaching for a variety of academic, personal, health, and/or professional reasons. The decision to remove a student teacher is made jointly by the cooperating teacher, building principal, college supervisor, Coordinator of Field Experience, and the chair of the Department of Education. The student teacher is then placed in EE/SE/SPE405: Focused Studies in Education (see course description, pages 359, 362, and 364).

Return to the Department of Education following Removal from Student Teaching

A former student teacher wishing to return for a second chance may not submit an application for readmittance to the Department of Education until a minimum of one semester has passed. The student will have to meet all current requirements and coursework in effect at the time of reapplication. The student will have to provide evidence of growth and maturity and the student will have to submit to an interview with the faculty of the Department of Education. The department faculty will evaluate all the preceding information and rule on the request for readmittance.

GRADUATION REQUIREMENTS FOR TEACHER EDUCATION PROGRAMS

Students must meet all of the graduation requirements set by the College and by the certification area in which they are enrolled.

CERTIFICATION REQUIREMENTS

a. Students who wish to receive Pennsylvania certification must submit an application to the York College Department of Education for that certification.

b. Teacher candidates must meet all requirements set by the Pennsylvania Department of Education. These include:
   1. Successful completion of a baccalaureate degree with a cumulative GPA of at least 3.0.
   2. Successful completion of the Pennsylvania-required PRAXIS II Examinations administered by Educational Testing Service.
   3. Successful completion of a YCP Teacher Certification Program, including the student teaching experience.

c. Students who desire a specific out-of-state certification must contact the appropriate state Department of Education for requirement information and procedures.

Policy for Transfer Students

If students wish to transfer into the Teacher Education Program from another college/university, they must submit a letter of interest and transcript, have earned a minimum cumulative grade point average of 2.8, have a 3.0 or higher in each of WRT102, WRT202, CM104, two math courses, and ED221 (must be taken at York College), successfully completed the PRAXIS I PPST Reading, Writing and Mathematics Exams, and submit
a minimum of two written letters of recommendation from professional people. If the student has less than a 3.0 in any of the six courses or has not yet completed the six courses, the student must enter York College as an undeclared student, complete the remaining coursework, and then transfer into the desired Education major. Students wishing to transfer into the Teacher Education Program from another program within York College must obtain an Application to Transfer into Education, submit a written letter of approximately 300 words, a minimum of two letters of recommendation from persons qualified to describe the student’s qualifications, and a copy of a current transcript indicating a minimum 2.8 grade point average. Additionally, the student must meet the current Education coursework minimum grade requirements, earn a 3.0 or higher in each of WRT102, WRT202, CM104, two math courses, ED221, and successfully complete the PRAXIS I PPST Reading, Writing, and Mathematics Exams. Applications are accepted on a first-come, first-served basis. Submission of the proper materials does not guarantee acceptance. Students will be notified at the end of their interview of the disposition of their application. Students who are rejected two times must wait one semester to reapply.

No Education courses beginning with the prefix EE or SE may be scheduled until the student is officially accepted as an Education major. ED221 Introduction to American Education, ED200 Instructional Technology, SPE coursework, and a few selected other courses may be scheduled by any non-major.

The Department of Education reserves the right to determine which courses will transfer and be accepted. Currently, several courses must be completed at York College of Pennsylvania, such as ED221 Introduction to American Education. Please check with the Department of Education for the most current list. Once the above requirements have been met, students will be conditionally accepted as matriculated Education students for two semesters. Prior to, or during the second semester after acceptance, students must also submit the Pre-Professional Educator Status (PPES) application.

If students meet the PPES requirements, they will be accepted into the Teacher Education Program as a candidate. These individuals must continue to comply with the retention, advancement, graduation, and certification requirements for completion of the Teacher Education Program. If any individuals do not meet these requirements, they will be dismissed from the Teacher Education Program.

**Education Degree without Certification — “Alternate Program”**

Teacher Certification may be achieved through the successful acquisition of a baccalaureate degree in Elementary Education, Elementary Education/Special Education, Music Education, or, for secondary candidates, completing a baccalaureate in a designated major with an education core (See Secondary Education). A baccalaureate degree may be obtained without certification by those individuals who have expressed interest in the broader concept of “education” (as it refers to related careers and interests) but who do not desire work in a public school classroom setting. Reflective of this option, students elect to schedule Directed Professional Educational Experience (EE/SE/SPE416) for a maximum of four credits. This experience is tailored
to meet the personal and career goals of the individuals. Accordingly, the experience might include a combination of coursework and research activity that responds to the student’s particular needs. Those electing, or being recommended for, this option may seek career paths that include work experiences dealing with people and education in a variety of settings other than the classroom. Examples of career paths served by this non-certification degree are: positions involving training and development in a variety of businesses and corporations; educational specialists within social services or governmental agencies; administrators of community agencies; careers in public relations and banking; and youth organizations. Students opting for this program must officially apply one year prior to entering their Student Teaching Semester.

**MASTER OF EDUCATION DEGREE**

The Master of Education (M.Ed.) Program at York College of Pennsylvania is a professional preparation program designed to build the leadership capacity of regional public and private schools. A result of years of discussion and planning, the M.Ed. Program was developed in collaboration with school district personnel and regional advisory groups. After a thorough analysis of local needs, two areas of specialization were identified: Reading Specialist and Educational Leadership.

The M.Ed. Program at York College prepares graduates to assume leadership roles in public and private schools. Candidates in the M.Ed. Program may specialize in Educational Leadership, leading to Pennsylvania Department of Education Certification as a K-12 Principal, or in Reading Specialist, leading to a Pennsylvania Department of Education Certification as a K-12 Reading Specialist.

There is also a K-12 Principal Certification or a K-12 Reading Specialist Certification track for those students who currently possess a master’s degree and wish to work in a school-based position requiring Pennsylvania Principal or Reading Specialist Certification. In addition to the M.Ed. Program, professional development courses are available as a means by which educators can enhance and extend their skills and knowledge in a variety of areas. These courses are wide-ranging and designed to meet an array of personal and professional needs. Professionals wishing to enroll in one or more graduate level professional development courses will register through the M.Ed. Program as a non-degree student.

The program is oriented toward working professionals. All courses are offered in the evening hours, Monday through Thursday, during the regular academic year and in both day and evening classes each summer. Core courses are offered throughout the academic year. Courses are taught by a faculty comprised of full-time and adjunct professors in classes where enrollment has been managed to allow for constructive individual attention. The members of the M.Ed. full-time faculty have held positions in public and/or private education and continue to be engaged in ongoing educational consultation. Most of the M.Ed. adjunct professors are currently working in their chosen fields and, therefore, are a valuable resource to the Program. By design, the York College M.Ed. model creates continuous opportunities for collaboration and mentoring. Course and field experiences are authentic and directly applicable to the realities of education today.
The Educational Leadership degree/K-12 Principal Certification program includes 12 credit hours of core courses, 21 credit hours of specialization courses, and an administrative internship.

The K-12 Principal Certification sequence includes one core course (specific course to be determined in consultation with the Educational Leadership Coordinator), 21 credit hours of specialization courses, and an administrative internship.

The Reading Specialist degree/K-12 Reading Specialist Certification program includes 12 credit hours of core courses and 24 credit hours of reading specialization courses, including two clinical practicum experiences.

The K-12 Reading Specialist Certification sequence includes one core course, Advanced Educational Psychology, and 24 credit hours of reading specialization courses, including two clinical practicum experiences.

**Certification for Individuals Possessing an Undergraduate or Graduate Degree**

Please contact the Department of Education for further details as specific coursework and other experiences are necessary for candidates to be recommended for certification.

**BACCALAUREATE DEGREE PROGRAMS**

- Bachelor of Science in Elementary Education
- Bachelor of Science in Elementary Education/Special Education
- Bachelor of Arts in Secondary Education (English, Social Studies)
- Bachelor of Science in Secondary Education (Biology, General Science, Mathematics)
- Bachelor of Science in Music Education
- Bachelor of Science in Sport Management

**Bachelor of Science Degree in Elementary Education**

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Elementary Education must complete all program requirements including a minimum of 131 credits, achieve the appropriate grade point average, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Education must achieve a grade of 3.0 or higher in each of the following four Common Core courses—two English courses, the Human Communications course, and two math courses (specific course names are specified on the appropriate Education worksheet). Moreover, a 2.0 or higher must be achieved in all remaining Common Core courses. A cumulative York College of Pennsylvania grade point average of 3.0 must be achieved in order to student teach and graduate. Students seeking certification in Elementary Education will be required to have 150 hours of Field Experience prior to the Student Teaching Semester and meet specific requirements as noted in the Pre-Education and Education Major Handbook.
**Required Courses in Elementary Education:**

Required Major Coursework Meeting Certification Standards

- BIO110 General Biology
- BIO120 Field Natural History OR
- BIO124 Oceanography OR
- BIO150 Biology I
- BIO152 Biology II OR
- BIO206 Freshwater Ecology OR
- BIO208 Biology of Animals OR
- BIO210 Marine Biology OR
- BIO212 Environmental Biology OR
- BIO216 Microbes: Unseen Life on Earth OR
- BIO232 Plant Taxonomy OR
- BIO300 Ecology AND

Any Physical Science Recommended: ESS152 Earth/Space Science OR

**OR PSC152 OR PSC154 Physical Science**

- LIT xxx Literature Elective (Any American or British)
- G243 Introduction to Geography
- H221 History of American Civilization I OR
- H222 History of American Civilization II
- MAT215 Sets and Number Systems II
- PSY100 General Psychology
- PSY221 Developmental Psychology
- SOC100 Introduction to Sociology

**Pre-Professional Education Coursework**

- ED200 Instructional Technology
- ED221 Introduction to American Education (must be taken at York College)
- ART396 Art Education for Elementary Teachers
- MUS291 Educational Experience in Music
- ED370 Psychology of Teaching/Elementary Education

**Professional Preparation Courses**

- EE300 Teaching Elementary Language Arts
- EE301 Foundations of Reading Instruction
- EE302 Diagnostic and Remedial Reading
- EE304 Teaching Elementary Social Studies
- EE310 Physical Education/Health in the Elementary Classroom
- EE315 Teaching Elementary Mathematics
- EE316 Teaching Science in the Elementary School
- EE380 Topics in Children’s Literature
- EE390 Seminar in Curriculum
EE402  Community and Legal Issues in Education
EE403  Educational Evaluation
EE430  Professional Development
SPE333  Specific Learning Disabilities
SPE340  Behavioral Design and Intervention

**Student Teaching Semester**  
EE404  Student Teaching  
EE412  Practicum in Student Teaching 
EE413  Selected Topics in Education 
**OR**  Alternate Professional Semester  
EE416  Directed Professional Educational Experience

1Satisfies Area Distribution Requirements. 
2Grade earned must be a 2.0 or higher. This includes all courses in field of major study.  
3EE402 Community and Legal Issues in Education must be scheduled the fall or spring term immediately prior to the Student Teaching Semester. 
4Students are required to have earned a cumulative grade point average of 3.0 before admittance into the Student Teaching Semester. 
5Taken as an option to EE404 by students seeking the degree without certification.

**Elementary Education (suggested course sequence)**

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Sets and Number Systems I &amp; II</td>
<td>6</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to American Education (ED221)</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Instructional Technology (ED200)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>33</strong></td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Science^1</td>
<td>6-8</td>
</tr>
<tr>
<td>Introduction to Geography</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Educational Experience in Music (MUS291)</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Literature</td>
<td>3</td>
</tr>
<tr>
<td>History of American Civilization</td>
<td>3</td>
</tr>
</tbody>
</table>

^1Taken as an option to EE404 by students seeking the degree without certification.
Art Education for Elementary Teachers  

**Junior Year**  

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Elementary Language Arts (EE300)</td>
<td>3</td>
</tr>
<tr>
<td>Diagnostic &amp; Remedial Reading (EE302)</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Elem. Ed. (ED370)</td>
<td>3</td>
</tr>
<tr>
<td>Foundations of Reading (EE301)</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Teaching Elementary Social Studies (EE304)</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Elementary Math (EE315)</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education/Health in the Elementary Classroom (EE310)</td>
<td>3</td>
</tr>
<tr>
<td>Seminar in Curriculum (EE390)</td>
<td>3</td>
</tr>
<tr>
<td>Educational Evaluation (EE403)</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
<td>34</td>
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**Senior Year**  

<table>
<thead>
<tr>
<th>Course Description</th>
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<tbody>
<tr>
<td>Topics in Children’s Literature (EE380)</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Elementary Science (EE316)</td>
<td>3</td>
</tr>
<tr>
<td>Professional Development (EE430)</td>
<td>3</td>
</tr>
<tr>
<td>Specific Learning Disabilities (SPE333)</td>
<td>3</td>
</tr>
<tr>
<td>Behavioral Design Intervention (SPE340)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (outside the major)</td>
<td>2</td>
</tr>
<tr>
<td>Community and Legal Issues in Education (EE402)*</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>20</td>
</tr>
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</table>

**Student Teaching Semester (A 3.0 GPA or higher required)**  

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Student Teaching (EE404)</td>
<td>12</td>
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<tr>
<td>Selected Topics (EE413)</td>
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</tr>
<tr>
<td>Practicum in Student Teaching (EE412)</td>
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</table>

**OR**  

**Alternate Professional Semester**  

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Directed Professional Educational Semester (EE416)</td>
<td>1-4</td>
</tr>
<tr>
<td>Other selected academic courses</td>
<td>8-11</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>21-27</td>
</tr>
</tbody>
</table>

*Community and Legal Issues in Education must be taken the semester prior to the Student Teaching Semester.*
Bachelor of Science Degree in Elementary Education and Special Education (Dual Certification)

Requirements for Graduation:
To be eligible for graduation, students majoring in Elementary Education/Special Education (dual certification) must complete all program requirements, including a minimum of 157 credits, achieve a cumulative grade point average of 3.0 or higher, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Education must achieve a grade of 3.0 or higher in each of the following four Common Core courses—two English courses, the Human Communications course, and one math course (specific course names are specified on the appropriate Education worksheet). Moreover, a 2.0 or higher must be achieved in each of all remaining Common Core courses. Students seeking certification in Elementary Education/Special Education will be required to have 150 hours of Field Experience prior to the Student Teaching Semesters (90 hours in Elementary Education and 60 hours are directed through Special Education coursework) and meet specific requirements as noted in The Handbook for Teacher Certification Students. Community and Legal Issues in Education must be taken the semester prior to the Student Teaching Semester.

Required Courses in Elementary Education/Special Education:*

Courses Meeting Certification Standards
SOC100  Introduction to Sociology
MAT215  Sets and Number Systems II
PSY100  General Psychology
PSY221  Developmental Psychology¹
G243  Introduction to Geography
H221  History of American Civilization I OR
H222  History of American Civilization II
_____  Literature Elective (must be American or British Literature)

Sciences
Three credits are to be chosen from BIO110, BIO120, BIO124, BIO150, BIO152, BIO206, BIO208, BIO210, BIO212, BIO216, and BIO232 and three credits chosen from ESS152, PSC152, PSC154, or any other Physical Science lab course.

Pre-Professional Education Coursework
ED200  Instructional Technology
ED221  Introduction to American Education (must be taken at York College)

**Subject to change based on Pennsylvania Department of Education Requirements.
¹Satisfies Area Distribution Requirements.
ED370  Psychology of Teaching/Elementary Education  
ART396  Art Education for Elementary Teachers  
MUS291  Educational Experience in Music  
PSY227  Psychology of Exceptional Children  
SPE205  ADHD and Autism Spectrum Disorder  
SPE364  Educational Testing

Professional Preparation Courses

EE300  Teaching Elementary Language Arts  
EE301  Foundations of Reading Instruction  
EE302  Diagnostic and Remedial Reading  
EE304  Teaching Elementary Social Studies  
EE310  Physical Education/Health in the Elementary Classroom  
EE315  Teaching Elementary Mathematics  
EE316  Teaching Elementary Science  
EE380  Topics in Children’s Literature  
EE402  Community and Legal Issues in Education*  
SPE206  Emotional Support  
SPE302  Assistive Technology  
SPE303  Mental Retardation  
SPE333  Assessment and Instruction Design: Specific Learning Disabilities  
SPE338  Assessment and Instructional Design: Mild, Moderate, and Severe Disabilities  
SPE340  Behavioral Design/Intervention and Classroom Management  
SPE351  Transitions in Special Education

Elementary Education Student Teaching Semester

EE404  Student Teaching  
EE412  Student Teaching Practicum  
EE413  Selected Topics in Education

Special Education Student Teaching Semester

SPE412  Student Teaching Practicum/Special Education  
SPE404  Student Teaching/Special Education  
SPE451  Analysis of Research: Senior Seminar

Elementary Education/Special Education (suggested course sequence)

<table>
<thead>
<tr>
<th></th>
<th>Credits</th>
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<tbody>
<tr>
<td>Freshman Year</td>
<td></td>
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<tr>
<td>Human Communication</td>
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<td>General Psychology</td>
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<tr>
<td>Analytical Reading and</td>
<td>3</td>
</tr>
<tr>
<td>Writing</td>
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*Community and Legal issues in Education must be taken the semester prior to the Student Teaching Semester.
<table>
<thead>
<tr>
<th>Program of Study</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy (IFL101)</td>
<td>2</td>
</tr>
<tr>
<td>Sets and Numbers (MAT115 and MAT215)</td>
<td>6</td>
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<tr>
<td>Introduction to Sociology (SOC100)</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to American Education (ED221)</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Technology (ED200)</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
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<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
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**Summer**

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<tbody>
<tr>
<td>Area I Distribution Requirement</td>
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<tr>
<td>History of American Civilization I (H121) <strong>OR</strong> History of Western Civilization (H221)</td>
<td>3</td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>Program of Study</th>
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<tbody>
<tr>
<td>Psychology of Exceptional Children (PSY227)</td>
<td>3</td>
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<tr>
<td>Art Education for Elementary Teachers (ED396)</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Educational Experiences in Music (MUS291)</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Geography (G243)</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Literature</td>
<td>3</td>
</tr>
<tr>
<td>Emotional Support (SPE 206)</td>
<td>3</td>
</tr>
<tr>
<td>Mental Retardation (SPE 303)</td>
<td>3</td>
</tr>
<tr>
<td>ADHD/Autism Spectrum Disorder (SPE205)</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>34</strong></td>
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</table>

**Summer**

<table>
<thead>
<tr>
<th>Program of Study</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Science (BIO)</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Program of Study</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developmental Psychology (PSY221)</td>
<td>3</td>
</tr>
<tr>
<td>Foundations of Reading (EE301)</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Elementary Language Arts (EE300)</td>
<td>3</td>
</tr>
<tr>
<td>Assessment and Instructional Design: SLD (SPE333)</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education/Health in the Elem. Classroom (EE310)</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Elementary Mathematics (EE315)</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Elementary Social Studies (EE304)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>33</strong></td>
</tr>
<tr>
<td>Course</td>
<td>Credits</td>
</tr>
<tr>
<td>----------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Diagnostic and Remedial Reading (EE302)</td>
<td>3</td>
</tr>
<tr>
<td>Assistive Technology (SPE302)</td>
<td>2</td>
</tr>
<tr>
<td>Topics in Children’s Literature (EE380)</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/ Elementary Education (ED370)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Summer</strong></td>
<td><strong>32</strong></td>
</tr>
<tr>
<td>Lab Science (Physical Science)</td>
<td>3</td>
</tr>
<tr>
<td>Elective (outside the major)</td>
<td>2</td>
</tr>
<tr>
<td><strong>Senior Year</strong></td>
<td><strong>5</strong></td>
</tr>
<tr>
<td>Teaching Elementary Science</td>
<td>3</td>
</tr>
<tr>
<td>Assessment and Instructional Design: Mild, Mod. Sev. (SPE338)</td>
<td>3</td>
</tr>
<tr>
<td>Community and Legal Issues in Education</td>
<td>3</td>
</tr>
<tr>
<td>Transitions in Special Education (SPE351)</td>
<td>3</td>
</tr>
<tr>
<td>Educational Assessment (SPE364)</td>
<td>3</td>
</tr>
<tr>
<td>Behavior Design/Intervention and Classroom Mgt. (SPE340)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Elementary Education Student Teaching Semester</strong></td>
<td><strong>18</strong></td>
</tr>
<tr>
<td>Student Teaching (EE404)</td>
<td></td>
</tr>
<tr>
<td>Practicum in Student Teaching (EE412)</td>
<td></td>
</tr>
<tr>
<td>Selected Topics (EE413)</td>
<td></td>
</tr>
<tr>
<td><strong>Special Education Student Teaching Semester</strong></td>
<td><strong>12</strong></td>
</tr>
<tr>
<td>Student Teaching Special Education (SPE404)</td>
<td></td>
</tr>
<tr>
<td>Practicum in Student Teaching (SPE412)</td>
<td></td>
</tr>
<tr>
<td>Analysis of Research: Senior Seminar (SPE451)</td>
<td></td>
</tr>
</tbody>
</table>

**Bachelor’s Degrees in Secondary Education**

Certification programs are offered in a variety of academic disciplines. This provides the candidate opportunity to teach at the junior high, middle school, and/or high school level. (General Science certification is primarily oriented to the junior high and middle school.) Students pursuing certification in Secondary Education must complete the discipline certification requirements of the respective academic department. (Please review all notations at the end of each program of study.)

**Bachelor of Arts Degree in Secondary Education-English**

The Secondary Education-English Program is designed to prepare students for a career in teaching English at the secondary school level. The program includes coursework in the following areas: General Education Requirements, English and Humanities
Department requirements, specialization courses or English elective courses, professional preparation courses, and a professional semester of student teaching. This program provides instruction and practical experiences in determining effective instructional approaches in the teaching of particular components of the secondary school curriculum: language study, reading, literature, writing, listening, and speaking. Students develop an awareness of the many responsibilities faced by secondary English teachers and learn how to work within today’s school environment to improve instructional effectiveness and efficiency. The education courses focus on the effectiveness of the teacher’s methods and on the value of the students’ learning experiences.

Coursework for the Secondary Education-English program emphasizes study of literature, writing, language and linguistics, and drama or film. It includes 12 credit hours of English electives, with two courses chosen from literature, one of which must be multicultural.

Students must apply for admission into the Teacher Education Program according to the Education Department’s guidelines. In addition, students must complete 150 hours of Field Experience and pass the Praxis IPPST Reading, Writing and Mathematics exams and the English PRAXIS exam. (See Department of Education for a complete description of teacher preparation requirements.)

In addition, students must have earned a 3.0 cumulative grade point average to begin the Student Teaching Semester and must achieve a grade of 3.0 or higher in each WRT102, WRT202, CM104, MAT111, a second math course, and ED221. Students must pass all remaining core courses with a 2.0 or higher and may not take any of the courses offered by the Department on a pass/fail basis.

**Bachelor of Arts in Secondary Education-English**

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Secondary Education-English must complete all program requirements including a minimum of 125 credits, achieve a cumulative grade point average of 3.0 or above, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students must achieve a grade of 3.0 or higher in each of WRT102, WRT202, CM104, MAT111, a second math course, and ED221. Students must pass all remaining core courses with a 2.0 or higher and may not take any of the courses offered by the Department on a pass/fail basis.

**Required Courses in Secondary Education-English:**

Discipline Certification Requirements

- LIT200 Perspectives on Literature
- THE205 Text Performance
- THE254 Introduction to Theatre OR
- FLM216 Introduction to Film
- LIT281 American Literature to 1885 OR
LIT282  American Literature after 1885
LIT283  British Literature to 1750  OR
LIT284  British Literature after 1750
LIT310  Language and Linguistics
WRT315  Advanced Composition
LIT323  Shakespeare I  OR
LIT324  Shakespeare II

English Electives: 12 credits in FLM, LIT, THE, or WRT required including at least three credits of LIT and one of the following three-credit multicultural literature courses:

LIT203  African-American Literature
LIT285  European Literature to 1600
LIT286  European Literature since 1600
LIT291  Short Story
LIT346  Literature and Society
LIT347  Literature and Psychology
LIT416  Modern Drama

Pre-Professional Education Courses:

MAT    (See Advisor)
PSY100  General Psychology
SOC100  Introduction to Sociology
ED200  Instructional Technology
ED221  Introduction to American Education (must be taken at York College)
ED371  Psychology of Teaching/Learning Sec. Ed.

Professional Preparation Courses:

SE402  Community and Legal Issues in Education
SE350  Secondary School Experience
SE351  Teaching Strategies
SE353  Teaching Communication
SE360  Reading/Writing across the Curriculum

Student Teaching Semester:

SE404  Student Teaching  OR
SE405  Focused Studies
SE412  Practicum in Student Teaching
SE413  Selected Topics

1Satisfies Area Distribution Requirements.
2Grade earned must be a 2.0 or higher. This includes all courses in field of major study.
3SE402 Community and Legal Issues in Education must be scheduled the term immediately prior to the Student Teaching Semester.
4Students are required to have earned a cumulative grade point average of 3.0 before admittance into the Student Teaching Semester.
5Taken as an option to SE404 by students seeking the degree without certification.
Secondary Education-English (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>33</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Secondary Education</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirements</td>
<td>6-8</td>
</tr>
<tr>
<td>Perspectives on Literature</td>
<td>3</td>
</tr>
<tr>
<td>American Literature</td>
<td>3</td>
</tr>
<tr>
<td>English Elective</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Free Electives</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31-33</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Theatre or Film</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>British Literature</td>
<td>3</td>
</tr>
<tr>
<td>Language and Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>Text Performance</td>
<td>3</td>
</tr>
<tr>
<td>English Elective</td>
<td>3</td>
</tr>
<tr>
<td>Secondary School Experience</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>7</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Senior Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading/Writing across the Curriculum</td>
<td>1</td>
</tr>
<tr>
<td>English Electives</td>
<td>6</td>
</tr>
<tr>
<td>Shakespeare I or II</td>
<td>3</td>
</tr>
</tbody>
</table>
Community and Legal Issues in Education*  3
Teaching Communication  3
Free Elective  3

Student Teaching Semester (A 3.0 GPA or higher required)  12
  Student Teaching (SE404) OR
  Focused Studies (SE405)
  Practicum in Student Teaching (SE412)
  Selected Topics (SE413)

*Community and Legal Issues in Education must be taken the semester prior to the Student Teaching Semester.

Bachelor of Arts in Secondary Education-Social Studies, with a Double Major in History

Requirements For Graduation:

To be eligible for graduation, students majoring in Secondary Education-Social Studies must complete a minimum of 133 credits, achieve a cumulative grade point average of 3.0 or above, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete the General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Social Studies Education must maintain a 3.0 or higher in each of the following four Common Core courses—two English courses, the Human Communications course, and one math course. They must also take a second elected mathematics course to be determined by the student and the advisor.

Secondary Education-Social Studies is a dual major offered in conjunction with the Department of Education. Students who complete the Social Studies major also fulfill the requirements for the History major.

Required Courses in Secondary Education-Social Studies:

Discipline Certification Requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>ECO200</td>
<td>Principles of Economics-Macro¹</td>
</tr>
<tr>
<td>ECO201</td>
<td>Principles of Economics-Micro¹</td>
</tr>
<tr>
<td>G243</td>
<td>Introduction to Geography</td>
</tr>
<tr>
<td>G341</td>
<td>Geography of North America</td>
</tr>
<tr>
<td>H219</td>
<td>History of Western Civilization I</td>
</tr>
<tr>
<td>H220</td>
<td>History of Western Civilization II</td>
</tr>
<tr>
<td>H221</td>
<td>History of American Civilization I¹</td>
</tr>
<tr>
<td>H222</td>
<td>History of American Civilization II¹</td>
</tr>
<tr>
<td>PS141</td>
<td>American Government: Institutions¹</td>
</tr>
<tr>
<td>PS142</td>
<td>American Government: Process¹</td>
</tr>
<tr>
<td>PS242</td>
<td>State and Local Government¹</td>
</tr>
<tr>
<td>SOC220</td>
<td>American Social Problems¹</td>
</tr>
</tbody>
</table>
ANT210  Introduction to Physical Anthropology OR
ANT220  Cultural Anthropology¹
H240  Methods/Theory History
H440  Senior Seminar in History

18 additional credits in History, H223 or higher

Pre-Professional Educator Status (PPES)³
ED200  Instructional Technology
ED221  Introduction to American Education (must be taken at York College)
______  Math (see advisor)
PSY100  General Psychology
ED371  Psychology of Teaching/Learning Sec. Ed.
SOC100  Introduction to Sociology

Professional Preparation Courses
SE402  Community and Legal Issues in Education⁴
SE350  Secondary School Experience
SE351  Teaching Strategies
SE352  Teaching Citizenship in Secondary Education
SE360  Reading/Writing across the Curriculum

Student Teaching Semester ²,⁵
SE404  Student Teaching OR
SE405  Focused Studies⁶
SE412  Practicum in Student Teaching
SE413  Selected Topics in Education OR
SE416  Directed Professional Educational Experience

¹Satisfies Area Distribution Requirements.
²Grade earned must be a 2.0 or higher. This includes all courses in field of major study.
³Advancement to PPES requires successful completion of WRT102, WRT202, CM104, MAT111, second math course, ED221 with a minimum grade of 3.0 in each course.
⁴SE402 Community and Legal Issues in Education must be scheduled the term immediately prior to the Student Teaching Semester.
⁵Students are required to have earned a cumulative grade point average of 3.0 before admittance into the Student Teaching Semester.
⁶Taken as an option to SE404 by students seeking the degree without certification.
⁷Students electing Alternative Program will select SE416 and other appropriate course work. Must have prior approval from advisor and department chair.

Secondary Education-Social Studies (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>History of Western Civilization I and II</td>
<td>6</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
<td>3</td>
</tr>
<tr>
<td>Course</td>
<td>Credits</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td><strong>Sophomore Year</strong></td>
<td><strong>31</strong></td>
</tr>
<tr>
<td>Math</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Sec. Ed</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>American Civilization I and II</td>
<td>6</td>
</tr>
<tr>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td>Methods/Theory of History</td>
<td>3</td>
</tr>
<tr>
<td><strong>Junior Year</strong></td>
<td><strong>36</strong></td>
</tr>
<tr>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Geography</td>
<td>3</td>
</tr>
<tr>
<td>Geography of North America</td>
<td>3</td>
</tr>
<tr>
<td>Cultural or Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>American Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>History Electives</td>
<td>12</td>
</tr>
<tr>
<td>Secondary School Experience</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td><strong>Senior Year</strong></td>
<td><strong>36</strong></td>
</tr>
<tr>
<td>Macro or Micro Economics</td>
<td>3</td>
</tr>
<tr>
<td>History Elective</td>
<td>6</td>
</tr>
<tr>
<td>History Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Social Studies in Secondary Education</td>
<td>3</td>
</tr>
<tr>
<td>Community and Legal Issues in Education</td>
<td>3</td>
</tr>
<tr>
<td>Reading/Writing across Curriculum</td>
<td>1</td>
</tr>
<tr>
<td><strong>Student Teaching Semester (A 3.0 GPA or greater required)</strong></td>
<td><strong>12</strong></td>
</tr>
<tr>
<td>Student Teaching SE404 <strong>OR</strong></td>
<td></td>
</tr>
<tr>
<td>Focused Studies SE405 <strong>OR</strong></td>
<td></td>
</tr>
<tr>
<td>Alternative Program</td>
<td></td>
</tr>
<tr>
<td>Practicum in Student Teaching SE412</td>
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</tr>
</tbody>
</table>
Bachelor of Science in Secondary Education-Biology

Requirements for Graduation:
To be eligible for graduation, students majoring in Secondary Education-Biology must complete all requirements including a minimum of 139 credits, achieve cumulative grade point average of 3.0 or higher, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Education must achieve a grade of 3.0 or higher in each of the following five Common Core courses—two English courses (WRT102, WRT202), the Human Communications course, and two math courses (specific course names are specified on the appropriate Education worksheet).

Required Courses in Secondary Education-Biology:

Discipline Certification Requirements:
- MAT250  Statistics
- CHM134  General Chemistry I
- CHM136  General Chemistry II
- CHM234  Organic Chemistry I
- CHM236  Organic Chemistry II OR BIO350  Biochemistry
- PHY110  General Physics I
- ESS152  Earth & Space Science

Biology Required Courses:
- BIO150  Biology I
- BIO152  Biology II
- BIO200  Introduction to Scientific Research
- BIO240  Genetics
- BIO300  Ecology
- BIO330  Biology of Microorganisms
- BIO400  Senior Thesis
- BIO___  Biology Elective

Pre-Professional Education Courses:
- ED200  Instructional Technology
- ED221  Introduction to American Education (must be taken at York College)
- ED371  Psychology of Teaching/Learning Sec. Ed.
- PSY100  General Psychology
- SOC100  Introduction to Sociology

Professional Preparation Courses:
- SE402  Community and Legal Issues in Education
- SE350  Secondary School Experience
SE351 Teaching Strategies
SE354 Teaching Science
SE360 Reading/Writing across the Curriculum
SE416 Directed Professional Educational Experience\(^5\)

Student Teaching Semester\(^2,4\)
SE404 Student Teaching OR
SE405 Focused Studies OR
SE412 Practicum in Student Teaching
SE413 Selected Topics

\(^1\)Satisfies Area Distribution Requirements.
\(^2\)Grade earned must be a 2.0 or higher. This includes all courses in field of major study.
\(^3\)SE402 Community and Legal Issues in Education must be scheduled the term immediately prior to the Student Teaching Semester.
\(^4\)Students are required to have earned a cumulative grade point average of 3.0 before admittance into the Student Teaching Semester.
\(^5\)Taken as an option to SE404 by students seeking the degree without certification.

**Secondary Education-Biology (suggested course sequence)**

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Biology I and II</td>
<td>8</td>
</tr>
<tr>
<td>General Chemistry I and II</td>
<td>8</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>36</strong></td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Scientific Research</td>
<td>3</td>
</tr>
<tr>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Organic Chemistry I and II</td>
<td>8</td>
</tr>
<tr>
<td>(or Organic Chemistry I and Biochemistry)</td>
<td></td>
</tr>
<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Technology</td>
<td>3</td>
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<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Ecology</td>
<td>4</td>
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<tr>
<td>Biology of Microorganisms</td>
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</tr>
</tbody>
</table>

1Satisfies Area Distribution Requirements.
2Grade earned must be a 2.0 or higher. This includes all courses in field of major study.
3SE402 Community and Legal Issues in Education must be scheduled the term immediately prior to the Student Teaching Semester.
4Students are required to have earned a cumulative grade point average of 3.0 before admittance into the Student Teaching Semester.
5Taken as an option to SE404 by students seeking the degree without certification.
Bachelor of Science in Secondary Education-General Science

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Secondary Education-General Science must complete all program requirements including a minimum of 125 credits, achieve a cumulative grade point average of 3.0 or higher, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Education must achieve a grade of 3.0 or higher in each of the following four Common Core courses—two English courses, the Human Communications course, and one math course (specific course names are specified on the appropriate Education worksheet). Moreover, a 2.0 or higher must be achieved in all remaining Common Core courses.

**Required Courses in Secondary Education-General Science:**

Discipline Certification Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM134</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHM136</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>PHY110</td>
<td>General Physics I AND</td>
</tr>
</tbody>
</table>
PHY112 General Physics II OR
PHY160 Engineering Physics I AND
PHY162 Engineering Physics II
ESS152 Earth/Space Science
BIO150 Biology I
G243 Introduction to Geography
IFS105 Personal Productivity Computing OR
IFS275 Information System Technology OR
MAT230 Exploring Mathematics with the Computer
MAT plus one mathematics course at the level of MAT171 or above

Specialization Courses (six to eight credits required from one of the following areas)²

**Biology**

BIO120 Field Natural History
BIO124 Intro to Oceanography
BIO152 Biology II¹
BIO210 Marine Biology
BIO212 Environmental Biology
BIO220 Human Anatomy and Physiology I

**Human Anatomy and Physiology II**

BIO240 Genetics
BIO302 Zoology
BIO304 Botany
BIO308 Animal Physiology
BIO330 Biology of Microorganisms
BIO350 Biochemistry
BIO370 Evolutionary Biology

**Chemistry**

CHM202 Chemistry and Society
CHM234 Organic Chemistry I
CHM236 Organic Chemistry II
CHM336 Quantitative Analytical Chemistry
CHM338 Instrumental Analytical Chemistry
CHM344 Physical Chemistry I
CHM346 Physical Chemistry II
CHM350 Biochemistry

**Physics**

ME250 Statics
ME252 Dynamics
ME264 Strength of Materials
PHY160 Engineering Physics I
PHY260  Engineering Physics
PHY262  Engineering Physics IV
(MAT171 and MAT172 are required with the Physics option)

Pre-Professional Education Courses\(^2\)
- ED200  Instructional Technology
- ED221  Introduction to American Education (must be taken at York College)
- ED371  Psychology of Teaching/Learning Sec. Ed.
- PSY100  General Psychology
- SOC100  Introduction to Sociology

Professional Preparation Courses\(^2\)
- SE402  Community and Legal Issues in Education\(^3\)
- SE350  Secondary School Experience
- SE351  Teaching Strategies
- SE354  Teaching General Science
- SE360  Reading/Writing across the Curriculum

Student Teaching Semester\(^2,4\)
- SE404  Student Teaching OR
- SE405  Focused Studies OR
- SE416  Directed Professional Educational Experience\(^5\)
- SE412  Practicum in Student Teaching
- SE413  Selected Topics

\(^1\)Satisfies Area Distribution Requirements.
\(^2\)Grade earned must be a 2.0 or higher. This includes all courses in field of major study.
\(^3\)SE402 Community and Legal Issues in Education must be scheduled the term immediately prior to the Student Teaching Semester.
\(^4\)Students are required to have earned a cumulative grade point average of 3.0 before admittance into the Student Teaching Semester.
\(^5\)Taken as an option to SE404 by students seeking the degree without certification.

Secondary Education-General Science (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Sociology or General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>34</td>
</tr>
</tbody>
</table>
### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Sociology or General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Learning Sec. Ed.</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area of Specialization</td>
<td>6-8</td>
</tr>
<tr>
<td>Free Electives</td>
<td>12</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>33-35</strong></td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>3</td>
</tr>
<tr>
<td>General Chemistry I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>Earth and Space Science</td>
<td>3</td>
</tr>
<tr>
<td>Biology I</td>
<td>4</td>
</tr>
<tr>
<td>Introduction to Geography</td>
<td>3</td>
</tr>
<tr>
<td>IFS105 or IFS275 or MAT230</td>
<td>3</td>
</tr>
<tr>
<td>Secondary School Experience</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Reading Writing across the Curriculum</td>
<td>1</td>
</tr>
<tr>
<td>Teaching Science</td>
<td>3</td>
</tr>
<tr>
<td>General Physics or Engineering Physics</td>
<td>8</td>
</tr>
<tr>
<td>Math</td>
<td>3</td>
</tr>
<tr>
<td>Community and Legal Issues in Education*</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

**Student Teaching Semester (A 3.0 GPA or higher required)**

- Student Teaching SE404 **OR**
- Focused Studies SE405
- Practicum in Student Teaching SE412
- Selected Topics SE413

### Bachelor of Science in Secondary Education-Mathematics

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Secondary Education-Mathematics must complete all program requirements including a minimum of 128 credits, achieve a cumulative grade point average of 3.0 or higher, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Education must achieve a grade of 3.0 or higher in each of the following four Common Core courses—two English courses, the Human Communications course, and one math course (specific course names are specified on the appropriate Education worksheet). Moreover, a 2.0 or higher must be achieved in all remaining Common Core courses.
Required Courses in Secondary Education - Mathematics:

Discipline Certification Requirements²
- MAT172 Analytical Geometry and Calculus II¹
- MAT230 Exploring Math with Computers
- MAT250 Elementary Statistics
- MAT260 Elementary Linear Algebra
- MAT271 Analytical Geometry and Calculus III
- MAT272 Differential Equations
- MAT280 Mathematical Structures
- MAT345 Modern Geometry
- MAT355 Math Standards
- MAT495 History of Mathematics

Mathematics Elective² (Three credits from one of the following):
- MAT235, MAT350, MAT361, MAT371, MAT391, MAT440, MAT470,
  MAT473, MAT477, MAT480, MAT490, MAT496

Any one of the following science sequences¹
- BIO150-152 OR CHM134-136 OR PHY160 AND either PSY162 OR PHY260
  OR PHY262

Pre-Professional Education Courses²
- ED200 Instructional Technology
- ED221 Introduction to American Education (must be taken at York College)
- ED371 Psychology of Teaching/Learning Sec. Ed.
- PSY100 General Psychology
- SOC100 Introduction to Sociology

Professional Preparation Courses³
- SE402 Community and Legal Issues in Education³
- SE350 Secondary School Experience
- SE351 Teaching Strategies
- SE355 Teaching Mathematics
- MAT355 Math Standards
- SE360 Reading/Writing Across Curriculum

Student Teaching Semester²,⁴
- SE404 Student Teaching OR
- SE405 Focused Studies OR
- SE416 Directed Professional Educational Experience⁵

¹Satisfies Area Distribution Requirements.
²Grade earned must be a 2.0 or higher. This includes all courses in field of major study.
³SE402 Community and Legal Issues in Education must be scheduled the term immediately prior to the Student Teaching Semester.
⁴Students are required to have earned a cumulative grade point average of 3.0 before admittance into the Student Teaching Semester.
⁵Taken as an option to SE404 by students seeking the degree without certification.
SE412  Practicum in Student Teaching  
SE413  Selected Topics

**Secondary Education/Mathematics (suggested course sequence)**

<table>
<thead>
<tr>
<th><strong>Freshman Year</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Calculus I and II</td>
<td>8</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Sophomore Year</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Sec. Ed.</td>
<td>3</td>
</tr>
<tr>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>Exploring Math with Computers</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>BIO150-152 OR CHM134-136 OR PHY160 AND either PSY162 OR PHY260 OR PHY262</td>
<td>8</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Junior Year</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Mathematical Structures</td>
<td>3</td>
</tr>
<tr>
<td>Modern Geometry</td>
<td>3</td>
</tr>
<tr>
<td>Secondary School Experience</td>
<td>3</td>
</tr>
<tr>
<td>Secondary Teaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td>History of Math</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Senior Year</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Community and Legal Issues in Education*</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

*Community and Legal Issues in Education must be taken the semester prior to the Student Teaching Semester.*
Bachelor of Science in General Music Education

Requirements for Graduation:

To be eligible for graduation, students majoring in General Music Education must complete all program requirements including a minimum of 134 credits, achieve a cumulative grade point average of 3.0 or above, satisfy the College’s residency requirement, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis. In addition, students majoring in General Music Education must earn a minimum grade of 2.0 in each required music course.

In addition, students majoring in Education must achieve a grade of 3.0 or higher in each of the following four Common Core courses—two English courses, the Human Communications course, and one math course (specific course names are specified on the appropriate Education worksheet). Moreover, a 2.0 or higher must be achieved in all remaining Common Core courses.

Required Courses in General Music:

In addition to the Common Core, Area Distribution Requirements, Professional Education Courses, and a supervised Student Teaching Semester, the following music courses are required (See Check Sheet for specific courses in these areas):

Historical and Theoretical Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS181</td>
<td>Foundations of Music Theory (may be exempt)</td>
</tr>
<tr>
<td>MUS182-283</td>
<td>Music Theory I-V</td>
</tr>
<tr>
<td>MUS184-285</td>
<td>Sight Singing/Ear Training I-V</td>
</tr>
<tr>
<td>MUS290</td>
<td>Introduction to Music Literature</td>
</tr>
<tr>
<td>MUS380</td>
<td>Ethnomusicology</td>
</tr>
<tr>
<td>MUS390-391</td>
<td>Music History I-II</td>
</tr>
<tr>
<td>MUS385</td>
<td>Form and Analysis</td>
</tr>
<tr>
<td>MUS486</td>
<td>Orchestration and Arranging</td>
</tr>
<tr>
<td>MUS490</td>
<td>Choral Conducting</td>
</tr>
<tr>
<td>MUS491</td>
<td>Instrumental Conducting</td>
</tr>
</tbody>
</table>

Music Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS146</td>
<td>Vocal Methods (Instrumentalists only)</td>
</tr>
</tbody>
</table>
MUS292  String Methods
MUS293  Brass Methods
MUS294  Woodwind Methods
MUS295  Percussion Methods
MUS298  Foreign Language Diction for Choirs (Vocalists and Pianists only)²
MUS392  Teaching Music in the Elementary Schools
MUS393  Teaching Music in the Secondary Schools

**Required Electives (Performance Courses)**

- Primary Applied Music 7 credits
- Secondary Applied Music 2 credits
- Music Ensembles 7 credits
- Senior Recital 0 credits
- Piano Proficiency 0 credits

*Music Education majors must satisfy Senior Recital and Piano Proficiency Requirements prior to the Student Teaching Semester.*

**Pre-Professional Education Courses¹**

- ED200  Instructional Technology
- ED221  Introduction to American Education (must be taken at York College)
- ED371  Psychology of Teaching/Learning Sec. Ed.
- G243  Intro. to Geography
- MAT  See Advisor
- PSY100  General Psychology
- SOC100  Introduction to Sociology

**Professional Preparation Courses¹**

- SE402  Community and Legal Issues in Education³
- MUS392  Teaching Music/Elementary School
- MUS393  Teaching Music/Secondary School
- SE360  Reading and Writing across the Curriculum

**Student Teaching Semester¹,⁴**

- EE/SE404  Student Teaching
- EE/SE405  Focused Studies **OR**
- EE/SE416  Directed Professional Educational Experience⁵
- EE/SE412  Practicum in Student Teaching
- EE/SE413  Selected Topics

¹The 2.0 also includes all courses in field of major study.
²Required for Voice and Piano majors. Instrumental majors choose another 3 credit music elective.
³SE402 Community and Legal Issues in Education must be scheduled the term immediately prior to the Student Teaching Semester.
⁴Students are required to have earned a cumulative grade point average of 3.0 before admittance into the Student Teaching Semester.
⁵Taken as an option to EE/SE404 by students seeking the degree without certification.
⁶Grades earned in these courses must be 3.0 or higher; all others must be 2.0 or higher.
General Music Education (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Critical Thinking and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td>Foundations to Music Theory (may be exempt)</td>
<td>3</td>
</tr>
<tr>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>Sight Singing and Ear Training I</td>
<td>1</td>
</tr>
<tr>
<td>Introduction to Music Literature</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language Diction OR Vocal Methods</td>
<td>1</td>
</tr>
<tr>
<td>Primary Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>Secondary Applied Music</td>
<td>1</td>
</tr>
<tr>
<td>Music Ensemble</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area III Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Math (see advisor)</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Music Theory II, III</td>
<td>6</td>
</tr>
<tr>
<td>Sight Singing and Ear Training II, III</td>
<td>2</td>
</tr>
<tr>
<td>Music History I, II</td>
<td>6</td>
</tr>
<tr>
<td>Primary Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>Secondary Applied Music</td>
<td>1</td>
</tr>
<tr>
<td>Music Ensemble</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>Sight Singing and Ear Training IV</td>
<td>1</td>
</tr>
<tr>
<td>String Methods</td>
<td>1</td>
</tr>
<tr>
<td>Brass Methods</td>
<td>1</td>
</tr>
<tr>
<td>Woodwind Methods</td>
<td>1</td>
</tr>
<tr>
<td>Percussion Methods</td>
<td>1</td>
</tr>
<tr>
<td>Teaching Music in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Music in the Secondary School</td>
<td>3</td>
</tr>
</tbody>
</table>
Form and Analysis 3
Orchestration and Arranging 3
Ethnomusicology 3
Choral Conducting 3
Instrumental Conducting 3

Senior Year Credits
Area III Distribution Requirement 3
Area IV Distribution Requirement 3
Area V Distribution Requirement 3
Community and Legal Issues in Education* 3
Reading across the Curriculum 1
Psychology of Teaching 3
Primary Applied Music 1
Senior Recital 0
Music Ensemble 1
Student Teaching (K-12) OR
Focused Studies 10
Practicum in Student Teaching 1
Selected Topics in Education 1

30

*Community and Legal Issues in Education must be taken the semester prior to the Student Teaching Semester.

Bachelor of Science in Sport Management

General Information on the Sport Management Program

The Sport Management Program at York College of Pennsylvania is unique because of its comprehensive and interdisciplinary design. The Program recognizes the varied career opportunities in the field of sport and prepares students by requiring them to take 14 courses reflective of the breadth of the sport management field. The Program also requires a nine-credit work experience and the completion of an elective sequence in an additional academic discipline. These elective sequences include Accounting, Aquatic Facility Management, Asset Protection, Athletic Administration, Entrepreneurial Studies, Human Resource Management, Information Systems, Management, Organizational Development, Marketing, Operations Management, Public Relations, Retailing, Applied Youth Development, Hospitality Marketing, International Business, Leadership and Organizational Development, Legal Studies, Marketing Communications, Marketing Management, and Speech Communication, as well as a student-initiated sequence.

The Sport Management faculty consists of experienced practitioners and researchers in the field of sport management who take great pride in offering informative and challenging classroom experiences. The faculty’s vast network of professional contacts allows for numerous sites for work experiences.
Mission of the Sport Management Major

The mission of the York College of Pennsylvania Sport Management Major is to provide students with a positive environment, rich in academic and practical experiences, oriented toward developing comprehensive leadership and technical skills that are applicable to the diverse career opportunities in the sport management industry.

Sport Management Program Goals

The goals of the York College of Pennsylvania Sport Management Major are to:

- prepare students for management positions in the various segments of the sport management career field;
- provide a comprehensive sport management curriculum with elective sequences in other academic disciplines;
- adhere to curricular guidelines set forth by NASPE/NASSM and COSMA for Undergraduate Sport Management Programs;
- develop graduates with strong communication and organizational skills in preparation for the multi-faceted prospects of working with individual clients and large groups of interested constituents;
- provide opportunities wherein decision-making and critical thinking skills are called upon thereby preparing students for the uncertainties and demands of real-world circumstances;
- develop, plan, and execute sport management courses that reflect the current trends and professional practices in the sport management field;
- prepare students for graduate work with a particular focus in the area of sport management;
- provide practical work experiences in professional settings that are consistent with students’ professional aspirations;
- accommodate students from other disciplines who have an interest in taking courses with sport-related topics;
- cultivate a professional network of York College graduates within the field of sport management for the purpose of perpetuating the growth of the program, field experience sites, and employment opportunities for Sport Management majors;
- maintain a strong strategic planning component focusing on emerging trends, changing demands, and employment opportunities founded in an advisory board consisting of leading professionals in the field of sport management; and
- become one of the top undergraduate sport management programs in the country by committing to excellence in every aspect of the Sport Management Program.

Requirements for Graduation:

To be considered for graduation, students majoring in Sport Management must complete all program requirements including a minimum of 129 credits, earn an overall GPA of 2.0, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis. In addition, Sport Management majors must achieve a minimum grade of a 2.0 in all required courses in the Major and the student’s chosen concentration. The following
core courses of Sport Management must be taken at York College of Pennsylvania: SPM105, 110, 111, 112, 113, 201, 320, 330, 340, 350, 401, 410, 420, 425, 475, and 480. The remaining required Sport Management courses (SPM101, 220, 310) may be transferred from other institutions under the following conditions: the student has taken the course at an accredited institution; the student must have received a grade of 2.0 or better in the course. For the evaluation of credit transfer, the syllabus of the course must be submitted to the following instructors: SPM101 Prof. Achtzehn, SPM220 Dr. Klinedinst, and SPM310 Dr. Grove.

Incoming students will be admitted to the Major on a conditional basis. By the time they reach 60 credits they must have a cumulative GPA of 2.7 or higher. They must have taken and passed three of the following five courses with a GPA of 2.7 or higher. The courses are as follows: SPM101 History & Philosophy of Sport; SPM201 Introduction to Sport Management; SPM220 Sport in Society; SPM310 Sport Behavior; and SPM320 Sport Administration/Management Practices. If they have met these requirements, they will be fully admitted to the Sport Management Major.

Internal transfers who have less than 60 credits will have to meet the same requirements as incoming students to be fully admitted into the Major. External transfers will be conditionally admitted to the Major upon entering the institution. After the first semester the student will have to achieve a cumulative GPA of 2.7 or higher. The student must also take at a minimum SPM201 Introduction to Sport Management but may take any of the other above listed courses as well and complete them with a GPA of 2.7 or higher.

Internal transfers who have more than 60 credits will have to meet the same requirements of external transfers.

To be eligible for placement in a work experience during his or her senior year, the student must also achieve a 2.7 GPA. There is a stipulation that students take no additional coursework during the work experience semester (SPM475, SPM480). Should a candidate not be eligible, an alternate program may be pursued allowing the student to graduate with the degree in Sport Management, but without the invaluable and marketable experience provided by the supervised work experience.

**Required courses for the Sport Management Major:**

**Common Core Requirements (16 credit hours)**

- WRT102 Analytical Reading and Writing
- WRT202 Academic Writing
- CM104 Human Communications
- IFL101 Information Literacy
- MAT111 Critical Thinking and Problem Solving in Math
- PE Physical Education

**Area Distribution Requirements (27 credits)**

- Area I Fine Arts and Humanities
- Area II Social and Behavioral Sciences
- Area III Laboratory Sciences
Area IV  American Civilization/Government and Western Civilization
Area V  International Studies/Foreign Language

Sport Management Courses for Major*

IFS100  Information Technology Competency Exam
IFS105  Personal Productivity Computing OR
IFS305  Management Information Systems

All Sport Management students are to take IFS100. Any student that passes IFS100 would be required to take IFS305 and any student that does not successfully pass IFS100 would be required to take IFS105.

SPM101  History/Philosophy of Sport
SPM105  Freshmen Seminar
SPM110  Sport Management Practicum
SPM111  Sport Management Practicum
SPM112  Sport Management Practicum
SPM113  Sport Management Practicum
SPM201  Introduction to Sport Management
SPM220  Sport in Society
SPM310  Sport Behavior
SPM320  Sport Administration/Management Practices
SPM330  Sport Marketing
SPM340  Financing of Sport Operations
SPM350  Public/Media Relations in Sport
SPM401  Professional Development
SPM410  Ticket Operations/Negotiations
SPM420  Facility/Event Management
SPM425  Legal Aspects of Sport
SPM475  Ethics/Current Issues in Sport
SPM480  Work Experience in Sport Management
ACC220  Financial Accounting
BIO112  Fundamentals of Human Biology (Area III)
ECO200  Macro Economics
MGT250  Principles of Management
MKT200  Principles of Marketing

*2.0 or better grade required.

Elective Sequence Courses (11 - 18 credits) to be chosen from the following areas:

Accounting
Aquatic Facility Management
Asset Protection
Athletic Administration
Entrepreneurial Studies
Hospitality Marketing
Sport Management (suggested course sequence)

Freshman Year (Fall)  Credits
History and Philosophy of Sport OR
Introduction to Sport Management AND 3
Sport Management Practicum .5
Analytical Reading and Writing 3
General Psychology 3
Critical Thinking/Problem Solving in Math 3
Information Literacy 2
IT Competency Exam 0
Concepts of Physical Activity 1
Freshmen Seminar 1
16.5

Freshman Year (Spring)  Credits
Introduction to Sport Management OR
History and Philosophy of Sport AND 3
Sport Management Practicum .5
Academic Writing 3
Personal Computing 3
Principles of Management 3
Area IV Distribution Requirement 3
PE Course Requirement 1
16.5

Sophomore Year (Fall)  Credits
Sport in Society OR
Sport Behavior AND 3
Sport Management Practicum .5
### Sophomore Year (Spring)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Financing Sport Operations <strong>OR</strong></td>
<td>3</td>
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<tr>
<td>Sport Behavior <strong>AND</strong></td>
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<tr>
<td>Sport in Society <strong>AND</strong></td>
<td>3</td>
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<tr>
<td>Sport Management Practicum</td>
<td>.5</td>
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<tr>
<td>Financial Accounting</td>
<td>3</td>
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<tr>
<td>Free Elective</td>
<td>3</td>
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<tr>
<td>Concentration Course</td>
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<tr>
<td>PE Course Requirement</td>
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### Junior Year (Fall)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Administration and Management Practices <strong>AND</strong></td>
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<tr>
<td>Sport Marketing <strong>OR</strong></td>
<td></td>
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<tr>
<td>Financing Sport Operations <strong>AND</strong></td>
<td>3</td>
</tr>
<tr>
<td>Fundamentals of Human Biology</td>
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### Junior Year (Spring)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>Public and Media Relations in Sport <strong>AND</strong></td>
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</tr>
<tr>
<td>Facility and Event Management <strong>AND</strong></td>
<td>3</td>
</tr>
<tr>
<td>Free Elective</td>
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</tr>
<tr>
<td>Concentration Course</td>
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<td>Area V Distribution Requirement</td>
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### Senior Year (Fall)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Legal Aspects of Sport <strong>AND</strong></td>
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<tr>
<td>Concentration Course</td>
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<td>Area V Distribution Requirement</td>
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<td>Ticket Operations/Negotiation</td>
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<td>Professional Development</td>
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<td><strong>Total Credits</strong></td>
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Senior Year (Spring)  
Ethics and Current Issues in Sport AND  
Work Experience  

\[ \text{Credits} \]
\[ \begin{array}{ll}
\text{Ethics and Current Issues in Sport} & 3 \\
\text{Work Experience} & 9 \\
\hline
\text{Total} & 12 \\
\end{array} \]

DEPARTMENTAL MINORS

Minor in Special Education

\[ \text{Credits} \]
\[ \begin{array}{ll}
\text{PSY227 Psychology of Exceptional Children} & 3 \\
\text{PSY364 Educational Testing} & 3 \\
\text{SPE205 ADHD and Autism Spectrum Disorders} & 3 \\
\text{SPE302 Assistive Technology} & 2 \\
\text{SPE333 Specific Learning Disabilities} & 3 \\
\text{SPE340 Behavioral Design and Intervention} & 3 \\
\hline
\text{Total} & 17 \\
\end{array} \]
The Department of English and Humanities offers baccalaureate degree programs in English Literary Studies, Professional Writing, Theatre, Philosophy, and Spanish. In conjunction with the Department of Education, it offers Secondary Education-English, which qualifies majors for Pennsylvania certification to teach English in secondary schools. Additionally, the department offers minors in each of its baccalaureate degree programs as well as in Creative Writing, Film Studies, Religious Studies, French, and German.

In an increasingly global environment where the ebb and flow of information courses instantaneously around the world, the disciplines devoted to the human word, to human communication, to the world’s languages and literatures, its philosophies and religions and cultures remain vital. It is the mission of the Department of English and Humanities to prepare its students to interface with this global information society by providing them with the critical, questioning, imaginative, and interpretive abilities they will need to succeed as students and in their chosen career paths.

Pursuing a major in the Department of English and Humanities provides students with an opportunity to develop an awareness of foreign language and culture, the rhetorical dimension of language and the media, text performance and presentation, philosophical and religious analysis. The Department’s goal is to provide the active learning experiences that promote the development of higher-level reading and analytical abilities and the refinement of oral and written skills. Majors in the Department learn to ask questions, think critically, analyze data, synthesize information, and communicate ideas effectively. Disciplines represented here encourage versatility, flexibility, and the ability to learn new concepts. These programs are designed to prepare students for careers requiring analytical, presentational, and communication skills, and pre-professional preparation for a variety of positions in publishing, law, state and federal service, commerce, and graduate education.

Majors in the Department of English and Humanities accept the invitation to intellectual adventure and self-exploration, thus developing the skills and acquiring the knowledge essential for understanding tomorrow’s challenges.

BACCALAUREATE DEGREE PROGRAMS

Bachelor of Arts Degree in English Literary Studies

The study of English is one of the most wholly useful and enjoyable programs a student can pursue in higher education. Students who earn a bachelor’s degree in English Literary Studies will have armed themselves with the skills and knowledge to analyze and appreciate recent and historical literature from all over the world, to become a more involved, active, and intelligent reader and writer. They will begin to harbor a deeper, more conscious understanding of culture as it is represented and magnified by works of literature, to hone their arguments and communication skills, and to think critically and logically. Also, they will learn to express themselves clearly and coherently in both writing and discussion. The English Literary Studies Major focuses on developing a core set of competencies while choosing elective literature courses in four key literary modes.

Apart from the inherent rewards of studying literature and language, a degree in English Literary Studies offers intensive training in skills essential in the modern job
market, training that is rarely offered by other fields of study. Students of literature develop an ability to think clearly, to analyze complex problems, to sift the essential from the non-important, to focus on details without losing sight of the whole picture, to perform research, to evaluate evidence, to find new and creative ways to address old problems, and to express the results of your analysis in effective language — these are skills vital to genuine achievement in nearly every profession. People who graduate with an English degree usually go on to careers in law, public relations, advertising, publishing, and business management. A degree in English Literary Studies also prepares students for graduate study in literature and the humanities.

The English Literary Studies major is organized according to four disciplinary modes of inquiry:

**History and Culture (9 credits):**

Courses in the “history/culture” mode begin from the concept that all texts are situated in social, historical, philosophical, and political contexts. As such, these courses will treat the literary text not only as an aesthetic object, but also as an artifact of the culture from which it was created. Students will be asked to consider, and to write about, the ways that art and its surrounding historical and cultural elements interact with one another.

**Figure Author (6 credits):**

Courses in the “figure author” mode provide in-depth study of a single author or multiple authors. The course may examine the influence of biography on the author’s work, the author as an emblem or anomaly of a particular historical period, or the author’s relationship to some aspect of the literary tradition.

**Thematics/Theory (6 credits):**

Courses in the “thematics/theory” mode have two configurations. A “thematics” course approaches literature through a unifying theme, issue, description, or problem relevant to the current study of literature. A “theory” course also may include the above and offer a sustained approach to literary texts from a critical perspective or perspectives (new historicist, structuralist, feminist, psychoanalytic, poststructuralist, etc.) or take “theory” or a selection of theories as its object of study.

**Genre (6 credits):**

Courses in the “genre” mode identify texts as a “kind” or “type” of writing — epics, lyric poetry, novels, autobiography, letters, and drama. But more than just aesthetic categories chosen by authors, genre also determines the types of reading strategies that we need as readers to interpret those works. Courses in this category will focus students’ studies on achieving a deeper understanding of either a single genre or a group of genres, and then will ask them to use that knowledge as a tool for interpreting texts. They may also ask students to consider the uses of particular genres as markers of particular moments in literary and socio-cultural history.
Requirements for Graduation:

To be eligible for graduation, students majoring in English Literary Studies must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirement, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis. In addition, English Literary Studies majors must complete two semesters of one foreign language.

The requirements of the English Literary Studies major are:*  

Each of the following (15 credits):

- LIT228  Foundations of English and Humanities  
- LIT210  Studies in Criticism and Theory  
- LIT310  Language and Linguistics  
- WRT315  Advanced Composition  
- LIT401  English Seminar

Literature Modes (27 credits)**

History/Culture (nine credits from the following):

- LIT203  African-American Literature  
- LIT281  American Literature to 1885  
- LIT282  American Literature after 1885  
- LIT283  British Literature to 1750  
- LIT284  British Literature after 1750  
- LIT285  European Literature to 1600  
- LIT286  European Literature since 1600  
- LIT322  Nineteenth-Century Novel  
- LIT326  Twentieth-Century British Literature  
- LIT384  Harlem Renaissance

Genre (six credits from the following):

- LIT270  Young Adult Literature  
- LIT291  The Short Story  
- LIT313  The American Novel  
- LIT327  Twentieth Century Novel  
- LIT343  The Experience of Poetry  
- LIT360/THE360  History of Theatre I  
- LIT361/THE361  History of Theatre II  
- LIT376  Contemporary Poetry  
- LIT391  Literature of Terror

*Students must receive a grade of 2.0 or higher in each course within the major.  
**Students are permitted to take no more than one THE or FLM course per Literary Mode, upon approval by the Department.
LIT393/FLM393  Literature and Film  
LIT395  Fantasy Literature  
LIT398  Early Modern Religious Genres  
LIT416/THE416  Modern Drama

Figure/Author (six credits from the following):
LIT323  Shakespeare I  
LIT324  Shakespeare II  
LIT375  James Joyce  
LIT380  Major Authors and Literary Traditions  
LIT381  Don Nigro  
LIT388  Mallory  
LIT394  Samuel Beckett  
LIT396  Jane Austen  
LIT397  Kafka

Thematics/Theory (six credits from the following):
LIT341  The Comic Tradition  
LIT342  Popular Literature  
LIT344/WGS344  Love and Sex in Literature  
LIT346  Literature and Society  
LIT347  Literature and Psychology  
LIT378/WGS378  Gay/Lesbian Literature  
LIT381  Literary Theory  
LIT382/WGS382  Women in Literature  
LIT385  British Modernism  
LIT386  Literary Philosophers  
LIT387  Women’s Writing and Resistance  
LIT389  Postcolonial Theory  
LIT390  The Bible as Literature  
LIT391  Literature of Terror

Required Supporting Courses (nine Credits)
Choose from PHL, REL, FLM, and THE courses at the 300 level or higher. Free Electives (25-27 credits)

Bachelor of Arts Degree in Philosophy

Students pursuing a major in Philosophy critically study the abiding questions facing humankind: What is the nature of God? Why be moral? Is there an afterlife? What is beauty? What is truth? What is justice? What does it mean to know? The study of philosophy develops analytical, critical, and interpretive abilities, cultivating a student’s capacities for reflection and self-expression. Students majoring in Philosophy develop a comprehensive knowledge of the history of philosophy and the representative philosophical problems and issues of the discipline. The study of
philosophy further enhances the student’s capacity to apply philosophical methods to intellectual problems across academic fields of study.

The study of philosophy is excellent preparation for careers that demand careful reading, critical thinking, and decision-making abilities. A major in Philosophy provides a solid foundation for students planning careers in medicine, law, education, and business. Philosophy majors are among the top performers on the Law School Aptitude Test and the Medical College Aptitude Test. Philosophy majors also succeed in executive and management sectors of business that require the ability to assimilate information, analyze situations, and produce effective solutions to complex problems.

Requirements For Graduation:

To be eligible for graduation, students majoring in Philosophy must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis. In addition, Philosophy majors must complete two semesters of one foreign language.

The requirements of the Philosophy Major are:

Required courses (27 credits)

- PHL221 Introduction to Philosophy
- PHL231 Logic
- PHL235 Ancient to Modern Philosophy
- PHL236 The Enlightenment to Postmodern Philosophy
- PHL321 Epistemology
- PHL331 Metaphysics
- PHL341 Ethics
- PHL401 Philosophy Seminar
- REL265 World Religions

Required Electives (18 credits)

Students must complete 18 elective credits in Philosophy. At least nine credits must be at the 300 level or above. Up to nine credits may be REL courses.

Free Electives (31-33 credits)

Bachelor of Arts Degree in Professional Writing

A major in Professional Writing combines the broad-based liberal arts education offered by all programs in the English and Humanities Department with the practical skills and career opportunities that can lead to a fulfilling and successful future. The major in Professional Writing is excellent preparation for students interested in work as writers, editors, and web designers. Graduates have obtained positions in publishing,
technical writing, public relations, government and non-governmental organizations (NGOs), corporate communications, non-profit and social-service organizations, health care, the arts, and many related fields. This major is also among the most valued courses of study for those interested in post-graduate education in law, English or rhetoric, technical writing, or toward the masters of fine arts degree in creative writing. When combined with the Department’s Creative Writing minor, the major can also be useful for those who are interested in writing fiction, non-fiction, poetry, or drama.

The major provides students with guided experience in a wide range of writing situations and stylistic options. Students with this major will benefit from:

- Marketable communication skills such as editing, electronic communication (including webpage design), and collaborative writing
- Real-world learning through internship experiences in professional writing
- Numerous courses in varied genres of creative writing
- An electronic portfolio of written work that can be used in your search for work as a professional writer or as a venue for publishing creative writing or obtaining a literary agent
- Background in the history and theory of language usage

Requirements For Graduation:

The courses for the major in Professional Writing are designed to give students a broad base of writing skills. Courses are organized into five general categories:

- Courses in language and rhetorical theory
- Courses in practical application of writing skills, including courses that focus upon topics such as medical writing, nature writing, poetry and fiction writing, document design, political speech, the personal essay, and so forth
- Courses giving students hands-on career skills and experience
- Courses in a minor field of study related to their career aspirations, and
- Foundation courses in the liberal arts

To be eligible for graduation, Professional Writing majors must complete 124 credits, distributed as follows:

1. Common Core: 16 credits of coursework, required of all York College students and designed to hone the skills necessary for success in college*;
2. Area Distribution Requirements: 30-32 credits of courses that are required of all York College students in order to provide a broad-based liberal education**;
3. Elective Courses: 13-18 credits of free electives, to be chosen in consultation with an advisor, and which allow students to learn about other areas of special interest;
4. Required Major courses: 33 credits of writing and other humanities courses, designed to provide students with a solid background in various writing techniques, styles, and applications, including:**
   - WRT210 Writing in Professional Cultures
   - WRT225 Interdisciplinary Writing
WRT305  Rhetorical Theory
LIT310  Language and Linguistics
WRT315  Advanced Composition
WRT320  Writing for the Web
WRT410  Professional Editing
WRT450  Experiential Learning (on-site work experience as a professional communicator)****
WRT480  Senior Seminar in Professional Writing

PLUS six credits of Writing Electives, chosen from the following*****:

WRT275  Playwriting
WRT290  Teaching and Tutoring of Writing I
WRT310  Creative Writing
WRT 312  Writing Humor
WRT360-WRT369  A variety of intermediate level Special Topics courses in Professional Writing
WRT371  Advanced Creative Writing
WRT373  Advanced Non-Fiction
WRT374  Writing Children’s Literature
WRT377  Screenwriting
WRT380  Freelance Writing for the Marketplace
WRT451  Experiential Learning (optional addition to required internship, WRT450)
WRT452  Teaching and Tutoring Writing II
WRT460-WRT469  A variety of advanced Special Topics courses in Professional Writing
WRT498, WRT499  Independent Study in Writing

5.  English and Humanities Electives: 12 credits beyond the required courses above, chosen from the various offerings of the English and Humanities Department in Literature, Professional Writing, Creative Writing, Philosophy, Humanities, Theater, Film Studies, Women and Gender Studies, Religious Studies, or Foreign Language. All courses must be at the 200 level or above, at least three credits must be at the 300 level or above, and at least six credits of the 12 must be in LIT.

*Students must receive a grade of 2.0 or higher in all Common Core classes to qualify for graduation.
**Students must complete at least six credits of a single foreign language.
***Students must receive a grade of 2.0 or higher in all required major courses, writing electives, and English/Humanities electives to qualify for graduation.
****In order to enroll in WRT450 or WRT451, students must: develop a clear set of objectives and goals for the experience, in consultation with a faculty member; file an application with the experiential learning instructor six months prior to intended on-site experience (including a statement of objectives and goals); gain acceptance as an intern by an approved site; and have achieved a GPA of 2.75 or higher and have completed 60 credit hours by the beginning of the internship experience.
*****With approval of advisor and Writing Program Administrator, a student may substitute writing intensive courses in other disciplines (such as Print Media Writing or Grant Writing) as writing electives, when those courses serve that student’s academic and career objectives.
6. Minor: All Professional Writing majors are required to complete a minor in a field related to their career interests. Chosen in consultation with an advisor, the minor allows students to devote focused study to an area within which they may pursue work as a writer. For example, a student interested in writing for industry might minor in Business, a student interested in journalism might minor in a Communications field, a student interested in working in web or publication design might minor in Visual Communications, a student interested in writing for a social service organization might minor in Human Services, and a student interested in law school might minor in Political Science or Philosophy.

Though every student will customize his or her educational program with the help of a Professional Writing advisor, the sequence of courses suggested below can help students to plan class scheduling with an eye to future semesters. This outline can also help students to schedule classes that form prerequisites for more advanced courses early in their program of studies. It is especially important that students enroll in WRT210, WRT225, and WRT315 within the first two years, or as early as possible, since they are foundation courses for many upper-division courses. It is also important that students plan ahead for their internship(s), to assure securing a site that will best serve their career interests. Advisors are always ready to help students develop a clear plan.

**Professional Writing (suggested course sequence)**

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<th>Freshman Year</th>
<th>Credits</th>
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<tbody>
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<td>Analytical Reading and Writing</td>
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<td>Academic Writing</td>
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<tr>
<td>Information Literacy</td>
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<td>Area V Distribution Requirement (Foreign Language)</td>
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<tr>
<td>Area IV Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Critical Thinking and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>English/Humanities Electives</td>
<td>6</td>
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<td>Free Elective Courses</td>
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<thead>
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<tr>
<td>Writing in Professional Cultures</td>
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</tr>
<tr>
<td>Interdisciplinary Writing</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Composition</td>
<td>3</td>
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<tr>
<td>Human Communication</td>
<td>3</td>
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<tr>
<td>Area I Distribution Requirement</td>
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<td>Area II Distribution Requirement</td>
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### Programs of Study

| Area V Distribution Requirement (Foreign Language) | 3 |
| Begin courses for Minor Field | 3 |
| Physical Education | 1 |
| **Total Credits** | **31-33** |

#### Junior Year

<table>
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<tr>
<td>Writing for the Web</td>
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</tr>
<tr>
<td>Language and Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>Rhetorical Theory</td>
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<tr>
<td>Experiential Learning (1st or 2nd semester junior year)</td>
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<td>Area III Distribution Requirement</td>
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<td>Physical Education</td>
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<td>English/Humanities elective</td>
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<td>Continue courses for Minor Field</td>
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</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>31-32</strong></td>
</tr>
</tbody>
</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Editing</td>
<td>3</td>
</tr>
<tr>
<td>Senior Seminar in Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td>Writing Electives (one course may be optional second Experiential learning course/Internship or Independent Study)</td>
<td>6</td>
</tr>
<tr>
<td>English/Humanities elective</td>
<td>3</td>
</tr>
<tr>
<td>Complete Remaining Courses for minor field of study</td>
<td>6</td>
</tr>
<tr>
<td>Free Electives</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

### Bachelor of Arts Degree in Secondary Education-English

The Secondary Education-English program is designed to prepare students for a career in teaching English at the secondary school level. The program includes coursework in the following areas: General Education requirements, English and Humanities Department requirements, specialization courses or English elective courses, professional preparation courses, and a professional semester of student teaching. This program provides instruction and practical experiences in determining effective instructional approaches in the teaching of particular components of the secondary school curriculum: language study, reading, literature, writing, listening, and speaking. Students develop an awareness of the many responsibilities faced by secondary English teachers and learn how to work within today’s school environment to improve instructional effectiveness and efficiency. The Education courses focus on the effectiveness of the teacher’s methods and on the value of the students’ learning experiences.

Coursework for the Secondary Education-English program emphasizes study of literature, writing, language and linguistics, and drama or film. It includes twelve credit
hours of English electives, with two courses chosen from literature, one of which must be multicultural.

Students must apply for admission into the teacher education program according to the Education Department’s guidelines. In addition, students must complete 150 hours of field experience and pass the PPST or C-PPST Reading, Writing, and Mathematics PRAXIS exams and the English PRAXIS exam. (See Department of Education for a complete description of teacher preparation requirements.)

**Requirements For Graduation:**

To be eligible for graduation and certification with a Pennsylvania teaching certificate, students majoring in Secondary Education-English must complete a minimum of 125 credits, achieve a cumulative grade point average of 3.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students must have earned a 3.0 cumulative grade point average to begin the Student Teaching Semester, and must achieve a grade of 3.0 or higher in each of WRT102, WRT202, CM104, MAT111, a second math course, and ED221. Students must pass all remaining Core courses with a 2.0 or higher and may not take any of the courses offered by the Department on a pass/fail basis.

**Required Courses in Secondary Education-English:**

**Discipline Certification Requirements**

- LIT200 Perspectives on Literature
- THE205 Text Performance
- THE254 Introduction to Theatre OR FLM216 Introduction to Film
- LIT281 American Literature to 1885¹ OR LIT282 American Literature after 1885¹
- LIT283 British Literature to 1750¹ OR LIT284 British Literature after 1750¹
- LIT310 Language and Linguistics
- WRT315 Advanced Composition
- LIT323 Shakespeare I² OR LIT324 Shakespeare II²

English Electives (12 credits in FLM, LIT, THE, or WRT required including at least three credits of LIT and one of the following three-credit multicultural literature courses)²

- LIT203 African-American Literature
- LIT285 European Literature to 1600
- LIT286 European Literature since 1600
- LIT291 Short Story
- LIT346 Literature and Society
LIT347  Literature and Psychology  
LIT416  Modern Drama  

Professional Preparation Courses

_______ Mathematics (See advisor)  
PSY100  General Psychology\(^1\)  
SOC100  Introduction to Sociology\(^1\)  
ED371  Psychology of Teaching/Sec. Ed.  
ED200  Instructional Technology  
ED221  Introduction to American Education  
SE402  Community and Legal Issues in Education\(^3\)  
SE350  Secondary School Experience  
SE351  Teaching Strategies  
SE353  Teaching Communication  
SE360  Reading and Writing across the Curriculum  

Student Teaching Semester\(^4\)

SE404  Student Teaching OR  
SE405  Focused Studies\(^5\)  
SE412  Practicum in Student Teaching  
SE413  Selected Topics in Education  
SE416  Directed Professional Education Experience\(^5\)  

\(^1\)Satisfies Area Distribution Requirements.  
\(^2\)Grade earned must be a 2.0 or higher. This includes all courses in field of major study.  
\(^3\)SE402 must be scheduled the academic term immediately prior to the Student Teaching Semester.  
\(^4\)Students are required to have earned a cumulative grade point average of 3.0 before admittance to the Student Teaching Semester.  
\(^5\)Taken as an option to SE404 by students seeking the degree without certification.

Secondary Education-English (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Analytical Reading and Writing</td>
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</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
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<tr>
<td><strong>Total</strong></td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Human Communication</td>
<td>3</td>
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<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Secondary Education</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirements</td>
<td>6-8</td>
</tr>
<tr>
<td>Perspectives on Literature</td>
<td>3</td>
</tr>
<tr>
<td>American Literature</td>
<td>3</td>
</tr>
<tr>
<td>English Electives</td>
<td>3</td>
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<tr>
<td>Physical Education</td>
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<tr>
<td>Free Electives</td>
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**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
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<td>3</td>
</tr>
<tr>
<td>Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>British Literature</td>
<td>3</td>
</tr>
<tr>
<td>Language and Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>Text Performance</td>
<td>3</td>
</tr>
<tr>
<td>English Elective</td>
<td>3</td>
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<tr>
<td>Secondary School Experience</td>
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<tr>
<td>Teaching Strategies</td>
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<td>Free Electives</td>
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<td><strong>Total</strong></td>
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**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>English Electives</td>
<td>6</td>
</tr>
<tr>
<td>Shakespeare I or II</td>
<td>3</td>
</tr>
<tr>
<td>Community and Legal Issues in Education*</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Communication</td>
<td>3</td>
</tr>
<tr>
<td>Reading/Writing Across Curriculum</td>
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</tbody>
</table>

**Student Teaching Semester (A 3.0 GPA or higher required)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Student Teaching</td>
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<tr>
<td>Focused Studies</td>
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<tr>
<td>Practicum in Student Teaching</td>
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<tr>
<td>Selected Topics</td>
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<tr>
<td>Teaching Exceptional/Multicultural Students</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td>30</td>
</tr>
</tbody>
</table>

*Community and Legal Issues in Education must be taken the semester prior to the Student Teaching Semester.

**Bachelor of Arts Degree in Spanish**

The Spanish major at York College is an applied language major that allows the
student the opportunity to become proficient in the language and to select an area of concentration from a wide range of disciplines. This curriculum recognizes the increasing demand in practically every work setting for individuals who are competent in Spanish. The primary emphasis in this major is the acquisition of Spanish language proficiency, the appreciation of Spanish and Spanish-American literature, and the understanding of the many cultures of the Spanish-speaking world. The secondary emphasis is on applying this knowledge by choosing a minor in which the student plans to use Spanish in the future. Students may also choose to pursue a double major by combining Spanish with another field. Through their choices in courses, Spanish majors have the flexibility to construct a unique program that best suits their needs and interests.

Students are required to complete an independent research project or participate in an internship that serves as a capstone experience in the major. The study abroad requirement is an essential component to experiencing the Spanish language and Hispanic culture firsthand. While a full semester abroad is recommended, participation in a brief, intensive immersion program abroad is also an option. One study abroad option available is the Mini-Mester in Mexico, through which students may earn Spanish elective credits by participating in intensive Spanish language study at an established language institute in Cuernavaca, Mexico.

Because of the interdisciplinary nature of the major, the career direction of graduates from this program varies considerably. Students may wish to pursue graduate studies or enter a career in international relations, social services, public relations, business, or education, just to name a few.

Requirements For Graduation:

To be eligible for graduation, students majoring in Spanish must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

Spanish majors must complete at least six elective credits in Spanish in an approved study abroad program in a Spanish-speaking country.

The requirements of the Spanish Major are:*  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>SPN201</td>
<td>Intermediate Spanish I</td>
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<tr>
<td>SPN202</td>
<td>Intermediate Spanish II</td>
</tr>
<tr>
<td>SPN205</td>
<td>Intermediate Conversational Spanish</td>
</tr>
<tr>
<td>SPN206</td>
<td>Reading Strategies in Spanish</td>
</tr>
<tr>
<td>SPN301</td>
<td>Adv. Oral/Written Spanish</td>
</tr>
<tr>
<td>SPN307</td>
<td>Spanish Culture and Civilization</td>
</tr>
<tr>
<td>SPN308</td>
<td>Spanish American Culture and Civilization</td>
</tr>
<tr>
<td>SPN315</td>
<td>Introduction to Literature of Spain</td>
</tr>
</tbody>
</table>

*Students must receive a grade of 2.0 or higher in each course in the major.
SPN316  Introduction to Literature of Spanish America
SPN420  Advanced Spanish Grammar
SPN425  Spanish Linguistics
SPN498/499  Independent Research OR
SPN450  Internship in Spanish

Group II: Spanish Electives (nine credits) Students must complete at least six of the nine elective Spanish credits in an approved program of study abroad. These need not be completed in the same semester or in the same program. The remaining three credits may be completed on campus.

Group III: Minor Electives (18 credits) The student will complete the requirements for a minor of his/her choice. If the student has chosen to double major, requirements of the minor will be satisfied in this area by that major’s requirements.

Free Electives (19-21 credits)

Bachelor of Arts Degree in Theatre

With a major in Theatre, students will learn how to write and analyze texts and documents, solve problems quickly and effectively, speak energetically and dramatically to audiences of all kinds and sizes, and contribute significantly to any group or team. A background in theatre prepares students for careers in sales, management, marketing, advertising, education, law, and public policy, to name a few possibilities. Theatre majors offer to prospective employers the valuable skills of creativity, imagination, independence of thought and action, patience, self-discipline, flexibility, initiative, teamwork, and dedication. Theatre majors’ energy, enthusiasm, strong work ethic, self-confidence, versatility, responsibility, and commitment identify them as well-rounded liberal arts graduates who can speak articulately, give confident presentations, and thrive under pressure. Careers in professional theatre are always possible, of course, but even if those dreams do not materialize, the Theatre Major prepares students to compete happily for a wide variety of opportunities and provides them with a college experience full of fun, great friends, excitements, challenges, and satisfactions.

Requirements for Graduation:

To be eligible for graduation, students majoring in Theatre must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, the Theatre major must complete two semesters of one foreign language.

Theatre Major Requirements (64 credits):

Theatre Performance and Production (34 credits)

THE205  Text Performance
THE254 Intro to Theatre
THE220 Theatre Construction
THE221 Theatre Technology
THE262 Acting
THE320 Scene Design
THE321 Lighting Design
THE322 Costume Design
THE350-353 Theatre Practicum
THE355 Advanced Acting
THE498 Independent Study: Directing
OR
THE499 Independent Study

Dramatic Literature (21 credits)
LIT210 Studies in Criticism and Theory
THE360 History of Theatre I
THE361 History of Theatre II
THE380 Special Topics in Theatre
THE410 Western Theatre
THE415 Non-Western Theatre
THE/LIT416 Modern Drama

Major Area Electives (nine credits)
Three courses above the 100 level from department offerings in FLM, LIT, HUM, or THE/WRT275.

Free Electives (15 credits)

DEPARTMENTAL MINORS
The English and Humanities Department offers minors in Literary Studies, Theatre, Professional Writing, Creative Writing, Film Studies, Philosophy, Religious Studies, as well as French, German, and Spanish. Through careful planning and advising, students representing a variety of majors may elect a minor in these areas, thus acquiring valuable skills that will enhance their background, regardless of their primary fields of study.

Creative Writing
WRT210 Writing in Professional Cultures
WRT315 Advanced Composition
WRT310 Creative Writing

Nine WRT elective credits beyond WRT102 and WRT202 from a variety of Creative Writing courses.
Film Studies Minor

FLM216  Introduction to Film
FLM220  History of Film

An additional 12 credits selected from FLM courses and LIT393, WRT377, PHL395, H486, and MUS245. At least six of these credits must be at the 300 level.

French

French courses beyond elementary level, at least 6 credits of which must be 300 level and include a literature course.

German

18 credit hours of German beyond the elementary level, at least six credits of which must be 300 level or above and include a literature class.

Literary Studies

LIT210 or LIT228 is required. The remaining five courses must be LIT courses; at least two of these must be 300 level or higher.

Philosophy

PHL221  Introduction to Philosophy OR
PHL226  History of Western Philosophy
PHL222  Critical Thinking OR
PHL231  Logic

A course in Ethics (PHL223, PHL240, PHL341, PHL350) nine additional credits in Philosophy
(At least six of the 18 credits must be at the 300 level or higher.)

Professional Writing

WRT225  Interdisciplinary Writing
WRT210  Writing in Professional Cultures
WRT315  Advanced Composition

Nine elective credits selected from WRT courses beyond WRT102 and WRT202. At least three WRT elective credits must be at the 300 level or above.

Religious Studies

REL265  World Religions
REL270  Tradition and Culture of Judaism
REL275  Tradition and Culture of Christianity

Nine additional credits in Religious Studies courses [which could include PHL383 Philosophy of Religion, HUM242 Science and Religion, and a course in Ethics
(PHL223, PHL240, PHL341, PHL350)]
(At least six of the 18 credits must be at the 300 level of higher.)

**Spanish**

18 credit hours of Spanish beyond the Elementary level, at least six credits of which must be at the 300 level or above and include a literature class.

**Theatre**

A minor in Theatre requires 18 credits with the following distribution:

- THE205  Text Performance
- THE254  Introduction to Theatre

Twelve credit hours from the following:

- THE262  Acting
- THE220  Theatre Construction
- THE221  Theatre Technology
- THE320  Scene Design
- THE321  Lighting Design
- THE322  Costume Design
- THE350-3  Theatre Practicum
- THE355  Advanced Acting
- THE360  History of Theatre I
- THE361  History of Theatre II
- THE380  Special Topics in Theatre
- THE410  Western Theatre
- THE415  Non-Western Theatre
The Department of History and Political Science offers baccalaureate degree programs in History, Political Science, International Relations, and Secondary Education-Social Studies. The Department is committed to scholarly and teaching excellence in order to prepare students for success in a wide variety of careers in government, public history, education, law, lobbying, public service, advocacy, journalism, business, management, and administration as well as for graduate and professional study in many areas, including law school. The Department also offers minors in African and African-American Studies, American History, World History, Geography, Legal Studies, Political Science, Public Administration, and International Studies. The Department also works with the Education Department to prepare students for careers in secondary education.

The Department offers a rich selection of courses to support the College’s General Education program and to offer both breadth and depth for its majors. It is able to offer all students the opportunity to develop a global perspective that brings together the past and the present in order to understand the complexity, diversity, and interrelatedness of the world.

A wide variety of extracurricular activities and programs are sponsored by the Department. These include a student journal, *Past and Present*, which showcases student writing and research, chapters of national honor societies in History (Phi Alpha Theta) and Political Science (Pi Sigma Alpha), and many opportunities for independent research and internships in a variety of settings. Students may also compete for a variety of awards to support independent research and to recognize academic excellence.

**BACCALAUREATE DEGREE PROGRAMS**

**Bachelor of Arts Degree in History**

This curriculum is built on the premise that knowledge about the past provides us, collectively and individually, with a better sense of who we are and where we are heading. The study of history sharpens our skills as thinkers and writers, and it prepares us for a variety of roles in our lives. In addition to traditional courses of study, students majoring in History are afforded opportunities in oral history, public history, and a wide spectrum of internship experiences in museums and historic sites.

**Requirements for Graduation:**

To be eligible for graduation, students majoring in History must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or higher, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in history must maintain a 2.0 grade point average in the course requirements of the major and receive a grade of 2.0 or higher in all History courses.
Required Courses in History Major (54 credits):

Core Courses (18 credits)
- H219  History of Western Civilization I
- H220  History of Western Civilization II
- H221  American Civilization I
- H222  American Civilization II
- H240  Methods and Theory in History
- H440  Senior Seminar in History

Required Electives (18 credits)
Students majoring in history must complete six upper-division history courses

Support Courses (18 credits)
Students must choose six courses from any of the following areas:
- Fine Arts & Humanities
- International Studies
- Social & Behavioral Sciences (including Anthropology, Geography, History, Political Science, Psychology, Sociology)

Elective Courses
Students majoring in History must complete an additional 28 - 30 credits of free electives.

International Studies/Foreign Language
Six credits are to be taken in one of these two areas. The foreign language option is encouraged, especially for those students considering graduate study. If foreign language is elected, six credits must be in one language.

History (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Critical Thinking and Problem Solving in Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
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<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
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<tr>
<td>Area III Distribution Requirements</td>
<td>6-8</td>
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<tr>
<td>History of Western Civilization I &amp; II</td>
<td>6</td>
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<tr>
<td>Area V Distribution Requirements</td>
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<td></td>
<td>32-34</td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>History of American Civilization I &amp; II</td>
<td>6</td>
</tr>
<tr>
<td>Methods and Theory in History</td>
<td>3</td>
</tr>
</tbody>
</table>
Bachelors of Arts Degree in International Relations

The International Relations Major emphasizes the understanding of global issues and world cultures, and traces the political, social, ideological, and economic history of the world. This major addresses the idea of globalization as well as the challenges and opportunities present in a closely integrated world. Students graduating with a major in International Relations will be able to:

- Understand the major analytical perspectives and key concepts used by scholars to study international relations;
- Use the theoretical literature to analyze global issues and problems; and
- Engage in a discussion of the complex issues and developments that drive and define contemporary global politics.

Requirements for Graduation:

To be eligible for graduation, students majoring in International Relations must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or higher, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis, and credits earned in WRT100 may not be applied to degree requirements.

International Relations majors must be proficient in a foreign language at the intermediate level. Additionally they must participate in an approved study abroad program, other international experience or international internship approved by the department chair.

In addition, students majoring in International Relations must maintain a 2.0
grade point average in the course requirements of the major and receive a grade of 2.0 or higher in all international relations core, political science electives, and support courses.

**Required Courses in International Relations Major (60 credits):**

International Relations Core Requirements (15 credits)

- PS260  Comparative Politics
- PS262  Scope and Methods of Political Science
- PS302  International Relations
- PS308  International Political Economy
- PS440  Senior Seminar

Political Science Electives (27 Credits)

*Nine of the following courses. A maximum of six credits from INT courses.*

- G243  Introduction to Geography
- INT143  Introduction to Africa
- INT144  Introduction to East Asia
- INT145  Introduction to Latin America
- INT146  Introduction to Mid East
- INT147  Introduction to Russia
- INT150  Introduction to South Asia
- PS243  Gov./Politics of Africa
- PS244  Gov./Politics of East Asia
- PS245  Gov./Politics of Latin America
- PS246  Gov./Politics of Mid East
- PS247  Gov./Politics of Russia
- PS250  Gov./Politics of South Asia
- PS303  American Foreign Policy
- PS306  Intro to International Organizations
- PS307  International Law
- PS406  International Peace and Security
- PS471-478  Selected Topics
- PS474  The Arab League
- PS479/480  The European Union
- PS490/491  Internship
- PS498/499  Independent Study

Support Courses (12 credits)

*Four of the following:*

ACC415; ANT220, 300; ART390, 391, 394, 395; ECO400; ENT410; FIN400; FRN303, 315, 316; G243, 332, 361; GRM305; H219, 220, 227, 228, 303, 305, 309, 310, 318, 330, 333, 334, 335, 340, 382, 420, 470; IBS200; LIT283, 284, 285,286, 326, 385, 389, 399; MGT375; MKT370; PHL235, 236, 343; REL265, 270, 275; SPN308, 315, 316.
Foreign Language Proficiency (six credits or equivalent)

**Foreign Language Policy**

Students majoring in International Relations must be proficient in a foreign language at the intermediate level. Students may indicate their attainment of this proficiency in one of four ways:

1. A student may complete a second major in a modern language, or may minor in a modern language.
2. A student whose native language is not English may choose to use his/her native language to fulfill the language proficiency requirement in International Relations.
3. Students who choose to use German, French, or Spanish to fulfill the proficiency requirement in International Relations must take SPN202, FRN202, or GRM202.
4. Students whose native language is English, and who wish to use a modern language not taught at York College to fulfill the proficiency requirement in International Relations, may petition the department chair, who will determine whether the level of proficiency in that language meets the requirement.

**International Relations (suggested course sequence)**

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
<td>3</td>
</tr>
<tr>
<td>Comparative Politics</td>
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<td>International Relations</td>
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<td>Area IV Distribution Requirement</td>
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</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Academic Writing</td>
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</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirements</td>
<td>6-8</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>International Political Economy</td>
<td>3</td>
</tr>
<tr>
<td>Scope and Methods of Political Science</td>
<td>3</td>
</tr>
<tr>
<td>Political Science Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>32-34</td>
</tr>
</tbody>
</table>
Junior Year

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Political Science Electives</td>
<td>12</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>Support Courses</td>
<td>6</td>
</tr>
<tr>
<td>Elective Courses</td>
<td>12</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>33</strong></td>
</tr>
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</table>

Senior Year

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Senior Seminar</td>
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<tr>
<td>Political Science Electives</td>
<td>9</td>
</tr>
<tr>
<td>Support Courses</td>
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<td>Elective Courses</td>
<td>12</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30/32</strong></td>
</tr>
</tbody>
</table>

Bachelor of Arts Degree in Political Science

Political scientists study the formal and informal political processes that shape public policy. As a discipline, political science combines both humanistic and scientific perspectives in order to understand the behavior of individuals, groups, nations, and international organizations. The Department offers courses in all of the major fields of the discipline (American Government and Politics, Comparative Politics, Constitutional Law, International Relations, Political Theory, Methodology, and Public Administration.)

The major is designed to provide a firm foundation in all sub-fields and to provide sufficient flexibility for students to pursue their own intellectual interests with both breadth and depth. It provides a basis for informed participation in community organizations, electoral politics, national and world affairs, and public policy. Students receive a solid foundation for graduate study, including law, as well as for a wide variety of careers in both the public and private sector. Students often explore these possibilities through internships with government agencies, parties and groups, law firms, and selected businesses and non-profits.

Requirements for Graduation:

To be eligible for graduation, students majoring in Political Science must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or higher, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Political Science must maintain a 2.0 grade point average in the course requirements of the major and receive a grade of 2.0 or higher in all Political Science courses.

Required Courses in Political Science Major (60 credits):

Political Science Core Requirements (30 credits)
Department of History and Political Science

PS141  American Government: Foundations/Institutions
PS142  American Government: Process and Policy
PS151  Public Administration OR PS242 State/Local Government
PS260  Comparative Politics
PS262  Scope and Methods of Political Science
PS302  International Relations
PS368  Ancient Political Thought or PS369 Modern Political Thought
PS450  Senior Seminar

Two of the following:

H219  Western Civilization I
H220  Western Civilization II
H221  History of American Civilization I
H222  History of American Civilization II

Political Science Electives (27 credits)

Nine of the following courses (seven must be at 300 level or above):

PS151  Public Administration
PS210  Introduction to Law
PS242  State/Local Government
PS243  Govt/Politics of Africa
PS244  Govt/Politics of East Asia
PS245  Govt/Politics of Latin America
PS246  Govt/Politics of Mid East
PS247  Govt/Politics of Russia
PS250  Govt/Politics of South Asia
PS303  American Foreign Policy
PS305  Parties, Campaigns and Elections
PS306  Introduction to International Organizations
PS307  International Law
PS308  International Political Economy
PS310  Decision Making
PS312  Politics of Public Policy
PS352  Introduction to Public Finance
PS361  American Political Thought
PS362  The Congress
PS363  The Presidency
PS368  Ancient Political Thought
PS369  Modern Political Thought
PS371  American Constitutional Thought: Political Institutions
PS372  American Constitutional Thought: Civil Lib/Rights
PS406  International Peace and Security
PS471-480  Selected Topics
Support Courses (3 credits)

One of the following:

- ECO200  Principles of Economics - Macro
- G243   Introduction to Geography
- G331   Urban Geography
- G332   Economic Geography
- G361   Introduction to Geographic Information Systems

Political Science (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>American Government (PS141 and PS142)</td>
<td>6</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Western Civ. OR American Civ. (Area IV)</td>
<td>3</td>
</tr>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirements</td>
<td>6-8</td>
</tr>
<tr>
<td>Western Civ. OR American Civ. (Area IV)</td>
<td>3</td>
</tr>
<tr>
<td>Public Administration OR State/Local Government</td>
<td>3</td>
</tr>
<tr>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>Scope and Methods of Political Science</td>
<td>3</td>
</tr>
<tr>
<td>Political Science Support Course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>32-34</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Relations</td>
<td>3</td>
</tr>
<tr>
<td>Ancient or Modern Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>Political Science Courses</td>
<td>12</td>
</tr>
<tr>
<td>Elective Courses</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>
Bachelor of Arts in Secondary Education-Social Studies, with a double major in History

Requirements for Graduation:

To be eligible for graduation, students majoring in Secondary Education-Social Studies must complete a minimum of 134 credits, achieve a cumulative grade point average of 3.0 or higher, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete the General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Social Studies Education must earn a 3.0 or higher in the following four Common Core courses—two English courses, the Human Communications course, and one math course. They must also take a second elected mathematics course to be determined by the student and the advisor.

Secondary Education-Social Studies is a dual major offered in conjunction with the Department of Education. Students who complete the Social Studies major also fulfill the requirements for the History major.

Required Courses in Secondary Education-Social Studies:

Discipline Certification Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECO200</td>
<td>Principles of Economics-Macro</td>
<td>1</td>
</tr>
<tr>
<td>ECO201</td>
<td>Principles of Economics-Micro</td>
<td>1</td>
</tr>
<tr>
<td>G243</td>
<td>Introduction to Geography</td>
<td>1</td>
</tr>
<tr>
<td>G341</td>
<td>Geography of North America or G350 Survey of Canada</td>
<td>1</td>
</tr>
<tr>
<td>H219</td>
<td>History of Western Civilization I</td>
<td>1</td>
</tr>
<tr>
<td>H220</td>
<td>History of Western Civilization II</td>
<td>1</td>
</tr>
<tr>
<td>H221</td>
<td>History of American Civilization I</td>
<td>1</td>
</tr>
<tr>
<td>H222</td>
<td>History of American Civilization II</td>
<td>1</td>
</tr>
<tr>
<td>PS141</td>
<td>American Government: Institutions</td>
<td>1</td>
</tr>
<tr>
<td>PS142</td>
<td>American Government: Process</td>
<td>1</td>
</tr>
<tr>
<td>PS242</td>
<td>State and Local Government</td>
<td>1</td>
</tr>
<tr>
<td>SOC220</td>
<td>American Social Problems</td>
<td>1</td>
</tr>
<tr>
<td>ANT210</td>
<td>Introduction to Physical Anthropology</td>
<td>1</td>
</tr>
<tr>
<td>ANT220</td>
<td>Cultural Anthropology</td>
<td>1</td>
</tr>
<tr>
<td>H240</td>
<td>Methods/Theory History</td>
<td>1</td>
</tr>
<tr>
<td>H440</td>
<td>Sr. Seminar in History</td>
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</tr>
<tr>
<td></td>
<td>18 additional credits in History, H223 or higher</td>
<td>16</td>
</tr>
</tbody>
</table>
Pre-Professional Educator Status (PPES)\(^3\)
- ED200  Instructional Technology
- ED221  Introduction to American Education
- Math (see advisor)
- PSY100  General Psychology
- ED371  Psych of Teaching/Learning Secondary
- SOC100  Introduction to Sociology

Professional Preparation Courses
- SE402  Community and Legal Issues in Education\(^4\)
- SE350  Secondary School Experience
- SE351  Teaching Strategies
- SE352  Teaching Citizenship in Secondary Education
- SE360  Reading/Writing Across the Curriculum

**Student Teaching Semester**\(^2,5\)
- SE404  Student Teaching **OR**
- SE405  Focused Studies\(^6\) **OR**

**Professional Semester**\(^7\)

**Alternative Program**
- SE416  Directed Professional Educational Experience

---

\(^1\)Satisfies Area Distribution Requirements.
\(^2\)Grade earned must be a 2.0 or higher. This includes all courses in field of major study.
\(^3\)Advancement to PPES requires successful completion of WRT102, WRT202, CM104, MAT111, 2nd math course, ED221 with a minimum grade of 3.0 in each course.
\(^4\)SE402 Community and Legal Issues in Education must be scheduled the term immediately prior to the Student Teaching Semester.
\(^5\)Students are required to have earned a cumulative grade point average of 3.0 before admittance into the Student Teaching Semester.
\(^6\)Taken as an option to SE404 by students seeking the degree without certification.
\(^7\)Students electing Alternative Program will select SE416 and other appropriate coursework. Must have prior approval from advisor and department chair.

**Secondary Education-Social Studies (suggested course sequence)**

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>History of Western Civilization I and II</td>
<td>6</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>31</strong></td>
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</table>
**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Math</td>
<td>3</td>
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<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Sec. Ed</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>American Civilization I and II</td>
<td>6</td>
</tr>
<tr>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td>Methods/Theory of History</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Geography</td>
<td>3</td>
</tr>
<tr>
<td>Geography of North America OR Survey of Canada</td>
<td>3</td>
</tr>
<tr>
<td>Cultural or Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>American Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>History Electives</td>
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<tr>
<td>Secondary School Experience</td>
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</tr>
<tr>
<td>Teaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
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<td><strong>Total</strong></td>
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**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Teaching Reading/Writing Across the Curriculum</td>
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</tr>
<tr>
<td>Macro or Micro Economics</td>
<td>3</td>
</tr>
<tr>
<td>History Elective</td>
<td>6</td>
</tr>
<tr>
<td>History Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Social Studies in Secondary Education</td>
<td>3</td>
</tr>
<tr>
<td>Community and Legal Issues in Education</td>
<td>3</td>
</tr>
<tr>
<td><strong>Student Teaching Semester (A 3.0 GPA or higher required)</strong></td>
<td><strong>12</strong></td>
</tr>
<tr>
<td>Student Teaching ED404 OR</td>
<td></td>
</tr>
<tr>
<td>Focused Studies ED405 OR</td>
<td></td>
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<tr>
<td>Alternative Program</td>
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<tr>
<td>Practicum in Student Teaching SE412</td>
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<td>Selected Topics SE413</td>
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<td><strong>Total</strong></td>
<td><strong>29</strong></td>
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</table>

**DEPARTMENTAL MINORS**

**African and African-American Studies (18 credits)**

At least six credits from these courses:
INT143  Introduction to Africa
PS243  Government and Politics of Africa
H303  History of Africa I
H305  History of Africa II
LIT386  African Literature

At least six credits from these courses:

H306  Race and Racism
H354  Coming of the Civil War OR
H355  Civil War and Reconstruction
H470  The Civil Rights Movement
SOC315  Ethnic and Minority Relations
LIT203  African-American Literature

Two additional courses from the above categories.

**American History (18 credits)**

H221-222  American Civilization I & II

Four courses from the following:

H245  American Military Experience
H306  Race and Racism
H342  Women in the United States
H351  American Colonial History
H352  New American Nation
H353  The Jacksonian Era
H354  Coming of the Civil War
H355  Civil War and Reconstruction
H356  Emergence of Modern America
H357  Twentieth-Century America
H358  Recent America
H370  American Constitutional Thought
H429  War & Peace
H441  American Economic History
H450  American Social and Cultural History
H470-479  Special Topics
H484  Baseball History

**Geography (18 credits)**

G243  Introduction to Geography
G361  Introduction to Geographic Information Systems
ESS152  Earth/Space Science

One course selected from the following:

G341  Geography of North America
G350  Survey of Canada
G348  Cultural and Environmental Field Studies

Two courses selected from the following:

G260  Introduction to Cartography
G331  Urban Geography
G332  Economic Geography
G336  Historical Geography
G470-479  Special Topics

Legal Studies (18 credits)

PS210  Introduction to Law

Five courses from the following: [No more than three elective courses may be taken from any single discipline, for example Political Science (PS) or Criminal Justice (CJA).]

PS307  International Law
PS371/H371  American Constitutional Thought: Political Institutions
PS372/H372  American Constitutional Thought: Civil Liberties
CJA302  Criminal Law (pre-requisite CJA101)
CJA304  Legal Standards of Security (pre-requisite CJA101)
CJA336  Judicial Process (pre-requisite CJA101)
CJA341  Criminal Procedure (pre-requisite CJA101)
BUS345  Business Law I
BUS346  Business Law II (pre-requisite BUS345 with 2.0 or better)
PHL347  Philosophy of Law

Political Science (18 credits)

PS141  American Government: Foundations and Institutions
PS142  American Government: Process and Policy

Three Political Science courses at the 300 level or above and one additional Political Science course.

International Studies (18 credits)

G243  Introduction to Geography
PS260  Comparative Politics
PS302  International Relations
PS307  International Law

One course selected from the following:

IBS200  Principles of International Business
PS243  Government and Politics of Africa
PS244  Government and Politics of East Asia
PS245  Government and Politics of Latin America
PS246  Government and Politics of the Middle East
PS247  Government and Politics of Russia
PS250 Government and Politics of South Asia

One course selected from the following:

ECO400 International Economics
G332 Economic Geography
PS306 International Organizations

Public Administration (18 credits)

PS141 American Government: Foundations and Institutions
PS151 Introduction to Public Administration
PS242 State and Local Government

One course selected from the following:

PS310 Decision Making in the Public Sector
PS312 Politics of Public Policy
PS352 Introduction to Public Finance

One course selected from the following:

G331 Urban Geography
G361 Introduction to Geographic Information Systems

World History (18 credits)

H219-220 Western Civilization I & II

Four courses selected from the following:

H227-228 History of Latin America I & II
H303-305 History of Africa I & II
H316 Ancient History
H317 Medieval History
H318 Renaissance and Reformation
H330 History of 20th-Century Russia
H333-334 History of England
H335 Modern Germany
H340 Women and War
H420 Nazi Germany
H427-428 Modern Europe I & II
Music, Art, and Communication is rooted in the liberal arts tradition that teaches and communicates the human experience through sounds, images, and words. The faculty members of the Department are supportive and demanding mentors whose first priority is to help students discover their intellectual and creative potential. The Department promotes both a creative and cultural awareness within the College and an interactive educational and cultural link between the College and the community.

Students pursuing any of the Department’s academic programs are encouraged to take advantage of the interdisciplinary opportunities the Department offers to complement a major. Courses in the visual arts are of benefit to those studying art, mass communication, and public relations. Courses in audio and video production are of interest to those in art, music, and public relations. Musical ensembles and performing groups are available on a credit or voluntary basis to all students in the Department who wish to avail themselves of this creative outlet.

The Department administers one of the most active internship programs on the campus. Students are encouraged to investigate the internship option as a means of exploring career choices and acquiring career experience before leaving college.

ART

The Music, Art, and Communication Department offers two baccalaureate programs in Art, one in Fine Art, and one in Graphic Design. These majors prepare the student to enter a variety of professional careers in the visual arts or graduate study. An associate degree in Fine Art is also offered, and academic minors are available in Art History, Fine Art, Visual Communication, and Photography. A course in Art Education is offered to students completing the bachelor of science degree in Elementary Education.

PORTFOLIO SUBMISSION

Portfolio Submission Requirements

In addition to fulfilling all of York College’s admissions requirements, a student seeking admittance into either the Fine Art or Graphic Design program is required to submit a portfolio of 10 to 20 examples of artwork. The portfolio should contain the student’s best work to date, reflect a range of abilities, interests and concepts, and demonstrate experience in a variety of media. In addition, an introductory artist’s statement must be included, which should be a brief synopsis of the applicant’s experience, who or what has been an influence and how, and what aspirations are for the future.

The portfolio is to be submitted via York College’s online submission system located at www.ycp.edu/artportfolio. York College no longer accepts portfolio submissions via mail in slide form or CDs. The payment of a $10 portfolio submission fee, paid with a credit card online, is the final step in the submission process. The applicant will then receive confirmation of receipt by email with a confirmation number and approximate decision date. A portfolio will only be reviewed after the applicant has been accepted to York College. Acceptance to York College does not guarantee acceptance into art programs.
**Portfolio Evaluation Criteria**

The Portfolio Review Committee wants to get a sense of who the applicant is as an artist, through reading the artist’s statement and viewing his or her best work to date. Experience in a variety of media, interesting perspectives and subject matter indicate to the committee that the applicant has potential for success in a college-level art program and beyond. A numerical score is given to the applicant in areas listed below. These numbers are then averaged for a final rating.

*The committee asks these questions during the evaluation of a portfolio:*
- Are the images of good quality in terms of focus and lighting?
- Is the artist’s statement clear and substantive?
- Is there a good sampling of several of the following media: ink, pencil, pastel, oil, acrylic, collage, digital, photography, sculpture, fabric, jewelry, ceramics, printmaking, video, or web?
- Is there drawing from both real and still life?
- Has there been experimentation with both realistic and expressive drawing and composition?
- Are there varied subjects and concepts in the portfolio?
- Is the subject matter a reflection of the applicant’s interests?

**Portfolio Submission Dates**

The portfolio submission deadlines are November 1 (for entry in the spring semester) and January 31 and March 15 (for entry in the fall semester). The student will be notified by letter of the review committee’s decision approximately two weeks after portfolios are reviewed. Portfolios will be reviewed on an as-received basis and accepted as space permits after the deadlines.

**Information for Transfer Students**

The portfolio should contain a minimum of two examples of work from each art course the student wishes to transfer to York College. Transfer credit in Graphic Design is given only for foundation courses (with the exception of Computer Graphics I), art history courses, and art electives. Transfer credit in Fine Art is given for foundation courses, art history courses, art electives, and any additional nine credits in art.

**BACCALAUREATE DEGREE PROGRAMS**

**Bachelor of Arts Degree in Fine Art**

The bachelor of arts in Fine Art is designed to prepare the student for entry into professional positions such as illustrator, teacher, art director, art critic, studio/commercial photographer, or independent artist, and stresses lifelong growth as an artist. The program emphasizes mastering technical processes, understanding the role of cultural history as an influence upon artistic expression, developing verbal and visual communication skills, and the importance of creative and original thinking. Students expand their studio and academic experiences through exhibitions, internships in professional settings such
as the College art gallery, completion of the Professional Development Seminar, and participation in activities such as artist’s lectures and museum excursions.

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Fine Art must complete a minimum of 126 credits, achieve a cumulative grade point average of 2.0 or higher, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Fine Art are required to complete a series of foundation courses, which offer a common studio experience to all art majors. Foundation courses must be successfully completed by the end of the first semester of sophomore year. Foundation courses teach basic skills, provide a technical foundation on which to build, develop creative and problem-solving skills, and help identify professional and studio interests. The student is also required to participate in the Sophomore Portfolio Review and Senior Portfolio Review and Exhibition, both of which provide an opportunity for self-evaluation and professional evaluation. During the junior year the student participates in the Professional Development Seminar, and in the senior year the student enrolls in Fine Art Seminar and the Senior Art Major’s Exhibition. The student is required to earn a grade of 2.0 or higher in all major courses.

**Required courses for the BA in Fine Art:**

Foundation Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ART206</td>
<td>Computer Graphics I</td>
</tr>
<tr>
<td>ART210</td>
<td>Design I</td>
</tr>
<tr>
<td>ART211</td>
<td>Design II</td>
</tr>
<tr>
<td>ART215</td>
<td>Drawing I</td>
</tr>
<tr>
<td>ART220</td>
<td>Painting I</td>
</tr>
<tr>
<td>ART265</td>
<td>Drawing II</td>
</tr>
<tr>
<td>ART230</td>
<td>Sculpture I</td>
</tr>
</tbody>
</table>

Art History Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART204</td>
<td>Survey of Western Art I</td>
</tr>
<tr>
<td>ART205</td>
<td>Survey of Western Art II</td>
</tr>
</tbody>
</table>

Two Art History Electives (ART388, ART389, ART390, ART391, ART392, ART393, ART394, ART395)

Major Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ART298</td>
<td>Sophomore Portfolio Review</td>
</tr>
<tr>
<td>ART435</td>
<td>Professional Development Seminar</td>
</tr>
<tr>
<td>ART440</td>
<td>Senior Portfolio Review and Exhibition</td>
</tr>
<tr>
<td>ART437</td>
<td>Fine Art Seminar</td>
</tr>
<tr>
<td>ART450</td>
<td>Art Internship OR ART498 Independent Study</td>
</tr>
</tbody>
</table>
Primary Emphasis
- Drawing (ART216, 315, 365)
- Figure Drawing (ART216, 266, 316, 366)
- Illustration (ART223, 273, 323, 373)
- Painting (ART270, 320, 370)
- Photography (ART245, 295, 345, 385)
- Sculpture (ART280, 330, 380)

Secondary Emphasis
- Ceramics (ART225, 275)
- Digital Art (ART290, 339)
- Drawing (ART265, 316)
- Figure Drawing (ART266, 316)
- Illustration (ART223, 273)
- Jewelry (ART284, 294)
- Painting (ART270, 320)
- Photography (ART245, 295)
- Printmaking (ART287, 291)
- Sculpture (ART280, 330)

Fine Art (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>Computer Graphics I</td>
<td>3</td>
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<tr>
<td>Design I</td>
<td>3</td>
</tr>
<tr>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

| Spring       |         |
| Design II    | 3       |
| Drawing II   | 3       |
| Survey Western Art I | 3 |
| Academic Writing | 3 |
| Human Communication | 3 |
| Information Literacy | 2 |
|               | 17      |

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>Painting I</td>
<td>3</td>
</tr>
<tr>
<td>Survey of Western Art II</td>
<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
</tbody>
</table>
### Bachelor of Arts Degree in Graphic Design

This professional program, combined with a strong academic curriculum, provides graduates with the skills and knowledge they will need to enter diverse areas of visual communication such as publication design, advertising design, packaging, corporate identity design, and multimedia production, or to pursue graduate study. The program

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td></td>
</tr>
<tr>
<td>Primary Emphasis</td>
<td>3</td>
</tr>
<tr>
<td>Secondary Emphasis</td>
<td>3</td>
</tr>
<tr>
<td>Sophomore Portfolio Review</td>
<td>1</td>
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<tr>
<td>Area III Distribution Requirement</td>
<td>3</td>
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<tr>
<td>Area IV Distribution Requirement</td>
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<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16</td>
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</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>Primary Emphasis</td>
<td>3</td>
</tr>
<tr>
<td>Secondary Emphasis</td>
<td>3</td>
</tr>
<tr>
<td>Art History Elective</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

| Spring                                                               |         |
| Primary Emphasis                                                    | 3       |
| Art History Elective                                                | 3       |
| Professional Development Seminar                                     | 3       |
| Area III Distribution Requirement                                    | 3       |
| Physical Education                                                  | 1       |
| Free Elective                                                        | 3       |
| **Total**                                                           | 16      |

<table>
<thead>
<tr>
<th>Senior Year</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td></td>
</tr>
<tr>
<td>Primary Emphasis</td>
<td>3</td>
</tr>
<tr>
<td>Fine Art Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Art Internship OR Independent Study</td>
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<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

| Spring                                                               |         |
| Senior Portfolio Review/Exhibition                                  | 3       |
| Area I Distribution Requirement                                     | 3       |
| Area IV Distribution Requirement                                    | 3       |
| Free Electives                                                      | 6       |
| **Total**                                                           | 15      |

---

**Bachelor of Arts Degree in Graphic Design**

This professional program, combined with a strong academic curriculum, provides graduates with the skills and knowledge they will need to enter diverse areas of visual communication such as publication design, advertising design, packaging, corporate identity design, and multimedia production, or to pursue graduate study. The program

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td></td>
</tr>
<tr>
<td>Primary Emphasis</td>
<td>3</td>
</tr>
<tr>
<td>Secondary Emphasis</td>
<td>3</td>
</tr>
<tr>
<td>Sophomore Portfolio Review</td>
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<td>Area III Distribution Requirement</td>
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<tr>
<td>Area IV Distribution Requirement</td>
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<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td></td>
</tr>
<tr>
<td>Primary Emphasis</td>
<td>3</td>
</tr>
<tr>
<td>Secondary Emphasis</td>
<td>3</td>
</tr>
<tr>
<td>Art History Elective</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

| Spring                                                               |         |
| Primary Emphasis                                                    | 3       |
| Art History Elective                                                | 3       |
| Professional Development Seminar                                     | 3       |
| Area III Distribution Requirement                                    | 3       |
| Physical Education                                                  | 1       |
| Free Elective                                                        | 3       |
| **Total**                                                           | 16      |

<table>
<thead>
<tr>
<th>Senior Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td></td>
</tr>
<tr>
<td>Primary Emphasis</td>
<td>3</td>
</tr>
<tr>
<td>Fine Art Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Art Internship OR Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

| Spring                                                               |         |
| Senior Portfolio Review/Exhibition                                  | 3       |
| Area I Distribution Requirement                                     | 3       |
| Area IV Distribution Requirement                                    | 3       |
| Free Electives                                                      | 6       |
| **Total**                                                           | 15      |
contains components of studio work, design theory, criticism, and history. Student designers learn not only about the tools and techniques, both traditional and digital, necessary to make their ideas come to life, but also the ways in which their work relates to their culture and society. The program’s emphasis on the history of graphic design gives students a valuable perspective on where their chosen discipline has been, where it is going, and how technology affects the way we communicate. Through professional memberships, internships, field trips, and exposure to visiting artists, students gain valuable perspective on personal areas of interest in the vast and changing field of design.

Requirements for Graduation:

To be eligible for graduation, students majoring in Graphic Design must complete a minimum of 129 credits, achieve a cumulative grade point average of 2.0 or higher; satisfy the College’s residency requirements; and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Graphic Design are required to complete a series of foundation courses, which offer a common studio experience for all art majors. Foundation courses must be successfully completed by the end of the first semester of sophomore year. Foundation courses teach basic skills, provide a technical foundation on which to build, develop creative and problem-solving skills, and help identify professional and studio interests. The student is also required to participate in the Sophomore Portfolio Review and Senior Portfolio Review and Exhibition, which provide an opportunity for self-evaluation and professional evaluation. During senior year the student participates in the Professional Development Seminar and the Senior Art Major’s Exhibition. The student is required to earn a 2.0 or higher in all major courses.

Required courses for the BA in Graphic Design:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART200</td>
<td>Introduction to Graphic Design</td>
</tr>
<tr>
<td>ART206</td>
<td>Computer Graphics I</td>
</tr>
<tr>
<td>ART215</td>
<td>Drawing I</td>
</tr>
<tr>
<td>ART265</td>
<td>Drawing II</td>
</tr>
<tr>
<td>ART218</td>
<td>Typography I</td>
</tr>
<tr>
<td>ART220</td>
<td>Painting I</td>
</tr>
<tr>
<td>ART287</td>
<td>Printmaking I</td>
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</table>

Art History Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART204</td>
<td>Survey of Western Art I</td>
</tr>
<tr>
<td>ART205</td>
<td>Survey of Western Art II</td>
</tr>
<tr>
<td>ART389</td>
<td>History of Graphic Design</td>
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</tbody>
</table>

Art History Elective (ART388, ART390, ART391, ART392, ART393, ART394, ART395)
Major Required Courses

ART299  Sophomore Portfolio Review
ART219  Typography II
ART246  Digital Photography
ART290  Computer Graphics II
ART340  Computer Graphics III
ART296  Publication Design
ART339  Motion Graphics
ART398  Junior Design Studio
ART432  Senior Design Studio
ART436  Professional Development Seminar
ART441  Senior Exhibition
ART450  Art Internship OR ART498 Independent Study

Art Electives

Two classes from the following:
Illustration (ART223, 273, 323, 373)
Photography (ART245, 295, 345, 385)
Printmaking II (ART291)
Digital Art (ART244)
Sculpture (ART230, 280, 284, 294, 330, 380)
Painting (ART270, 320, 370)
Figure Drawing (ART216, 266, 316, 366)
Art History (ART394, 395)

Graphic Design (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td></td>
</tr>
<tr>
<td>Intro to Graphic Design</td>
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</tr>
<tr>
<td>Computer Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>Analytical Reading/Writing</td>
<td>3</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>**</td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

| **Spring**                                         |         |
| Survey Western Art I                               | 3       |
| Typography I                                       | 3       |
| Drawing II                                         | 3       |
| Academic Writing                                   | 3       |
| Human Communication                                | 3       |
| Information Literacy                               | 2       |
| **                                                                 | **17**  |
### Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Fall</td>
<td>Survey of Western Art II</td>
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</tr>
<tr>
<td></td>
<td>Painting I</td>
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<tr>
<td></td>
<td>Digital Photography</td>
<td>3</td>
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<tr>
<td></td>
<td>Computer Graphics II</td>
<td>3</td>
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<tr>
<td></td>
<td>Area V Distribution Requirement</td>
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<tr>
<td></td>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td>Spring</td>
<td>Typography II</td>
<td>3</td>
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<tr>
<td></td>
<td>Printmaking I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Sophomore Portfolio Review</td>
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<tr>
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<td>History of Graphic Design</td>
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<tr>
<td></td>
<td>Area III Distribution Requirement</td>
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</tr>
<tr>
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<tr>
<td></td>
<td><strong>Total</strong></td>
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### Junior Year

<table>
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<th>Semester</th>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Fall</td>
<td>Publication Design</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Computer Graphics III</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Area II Distribution Requirement</td>
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</tr>
<tr>
<td></td>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td>Spring</td>
<td>Motion Graphics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Junior Design Studio</td>
<td>3</td>
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<tr>
<td></td>
<td>Professional Development Seminar</td>
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<td></td>
<td>Area III Distribution Requirement</td>
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</tr>
<tr>
<td></td>
<td>Free Elective</td>
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<td></td>
<td>Physical Education</td>
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<td></td>
<td>Internship OR Independent Study</td>
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<td><em>(usually in Summer)</em></td>
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<td><strong>Total</strong></td>
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### Senior Year

<table>
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<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Senior Design Studio</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Art Elective</td>
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</tr>
<tr>
<td></td>
<td>Art History Elective</td>
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</tr>
<tr>
<td></td>
<td>Area IV Distribution Requirement</td>
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</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
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</tbody>
</table>
COMMUNICATION

Communication includes the study of the theories and skills of human communication that comprise intrapersonal, interpersonal, small group, public, and mass communication.

Baccalaureate degree students may select from three majors within the Communication degree program. Students choosing the Speech Communication Major are preparing for careers in education, sales, advertising, and business. They also work within health, social, and government organizations. The Mass Communication Major prepares students for careers in commercial broadcasting or corporate applications of audio and video. Students selecting the Public Relations Major are preparing specifically for careers in corporations, not-for-profit organizations, and public relations firms. Public Relations combines the application of communication skills with strategic planning abilities.

Bachelor of Arts Degree in Speech Communication

Requirements for Graduation:

To be eligible for graduation, students majoring in Speech Communication must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or higher, satisfy the College’s residency requirements, and satisfactorily complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Speech Communication must earn a grade of 2.0 or higher in all courses taken in the major.

The required courses for the Speech Communication Major are:

- Communication Theory (CM206)
- Rhetoric and Public Address (CM207)
- Persuasion (CM327)
- Interpersonal Communication (CM329)
- Communication Seminar (CM402)

In addition, students are required to select six competency courses from the following offerings:

- Public Speaking Practicum (CM100-103-three one-credit courses)
- Public Speaking (CM212)
Nonverbal Communication (CM222)
Group Discussion (CM304)
Argumentation and Debate (CM310)
Organizational Communication (CM328)
Special Topics in Communication (CM444)
Communication Internship (CM450, CM451-may apply only three credits)
Any existing writing course in Communication or English

Area Electives
Students must also complete an area elective requirement by selecting any two Communication courses offered within the three majors.

Humanities/Social Science Electives
Students are required to complete four courses in the humanities or social and behavioral sciences at the 200 level or above. One of these courses must be a literature course.

Free Electives 25-27 credits

**Speech Communication (suggested course sequence)**

*Freshman Year*  
Analytical Reading and Writing  3  
Information Literacy  2  
Critical Thinking/Problem Solving in Math  3  
Area I Distribution Requirement  3  
Area II Distribution Requirement  3  
Area III Distribution Requirements  6-8  
Human Communication or Elective  3  
Free Elective  3  
Public Speaking Practicum  2  
Physical Education  1  
\[29-31\]

*Sophomore Year*  
Academic Writing  3  
Area Elective  3  
Elective or Human Communication  3  
Area IV Distribution Requirement  3  
Area II Distribution Requirement  3  
Communication Theory  3  
Rhetoric and Public Address  3  
Competency Elective  3  
Area V Distribution Requirements  6  
Public Speaking Practicum  1  
Physical Education  1  
\[32\]
**Bachelor of Arts Degree in Mass Communication**

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Mass Communication must complete a minimum of 126 credits, achieve a cumulative grade point average of 2.0 or higher, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Mass Communication must earn a grade of 2.0 or higher in all courses taken in the major.

**The required courses for the Mass Communication Major are:**

- Performance I (CM120)
- Radio Practicum I (CM132)
- Communication Theory (CM206)
- Mass Communication (CM211)
- Audio Production (CM226)
- Video Production I (CM242)
- Media Writing (CM332)
- News Writing and Production (CM340)
- Video Production II (CM341)
- Media Management (CM410)
- Media Laws and Ethics (CM434)
Support Courses

Section I (choose 2):
- Performance II (CM320)
- Non-Linear Editing (CM330)
- Broadcast Portfolio I (CM333)
- Electronic News Reporting (CM355)
- Advanced Production (CM431)

Section II (choose 1):
- Broadcast Portfolio II (CM433)
- Special Topics (CM444)
- Internship (3 credits only) (CM450-451)
- Independent Study

Area Electives

Students must also complete an area elective requirement by selecting any two Communication courses offered within the three majors.

Required Visual Communication Courses

Choose 18 credits from the following:

- Intro to Art Appreciation (ART101)
- Concepts of Design (ART110)
- Concepts of Computer Graphics (ART134)
- Survey of Western Art I or II (ART204 or 205)
- Drawing I (ART215)
- Photography I (ART245)
- Digital Photography (ART246)
- Drawing II (ART265)

Free Electives 20 credits

Mass Communication (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
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<tr>
<td>Information Literacy</td>
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<td>Area II Distribution Requirement</td>
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<tr>
<td>Area III Distribution Requirements</td>
<td>6-8</td>
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<tr>
<td>Human Communication or Elective</td>
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<tr>
<td>Free Elective</td>
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<tr>
<td>Radio Practicum</td>
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<td>Physical Education</td>
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<tr>
<td>Performance I</td>
<td>3</td>
</tr>
<tr>
<td>Visual Communication Course</td>
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### Sophomore Year

<table>
<thead>
<tr>
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<tr>
<td>Elective or Human Communication</td>
<td>3</td>
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<tr>
<td>Area IV Distribution Requirement</td>
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<tr>
<td>Area II Distribution Requirement</td>
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</tr>
<tr>
<td>Communication Theory</td>
<td>3</td>
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<tr>
<td>Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td>Audio Production</td>
<td>3</td>
</tr>
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<td>Area V Distribution Requirements</td>
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<tr>
<td>Physical Education</td>
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<td>Visual Communication Course</td>
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### Junior Year

<table>
<thead>
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<tbody>
<tr>
<td>Support Courses in Major</td>
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<tr>
<td>Video Production I</td>
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<tr>
<td>Area Elective</td>
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<td>Free Electives</td>
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<tr>
<td>Broadcast Media Writing</td>
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<tr>
<td>News Writing/Production</td>
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<td>Video Production II</td>
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### Senior Year

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<tbody>
<tr>
<td>Area IV Distribution Requirement</td>
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<tr>
<td>Media Management</td>
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<td>Media Laws and Ethics</td>
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<td>Visual Communication Courses</td>
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<td><strong>Total</strong></td>
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**Bachelor of Arts Degree in Public Relations**

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Public Relations must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or higher, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis, and credits earned in WRT100 may not be applied to degree requirements.

In addition, students majoring in Public Relations must earn a grade of 2.0 or higher in all courses taken in the major.
The required courses for the Public Relations Major are:

- Communication Theory (CM206)
- Introduction to Public Relations (CM221)
- Print Media Writing (CM271)
- Writing for Public Relations (CM321)
- Persuasion (CM327)
- Public Relations Planning (CM415)
- Public Relations Campaigns (CM421)
- Media Law and Ethics (CM434)

Support Courses

In addition, students are required to select five support courses from the following offerings:

- Mass Communication (CM211)
- Public Speaking (CM212)
- Group Discussion (CM304)
- Media Relations (CM322)
- Publications Editing and Design (CM323)
- Public Relations Events and Promotions (CM324)
- Organizational Communication (CM328)
- Interpersonal Communication (CM329)
- Communication Seminar (CM402)
- Crisis Communications Management (CM423)
- Communication Internship (CM450, 451)
- Principles of Marketing (MKT100)

Area Elective

Students must also complete an area elective requirement by selecting one Communication course offered within the three majors.

Humanities/Social Science Electives

Students must complete four courses in the humanities or social and behavioral sciences at the 200 level or above. One of these courses must be a literature course.

Free Electives 22-24 credits

Public Relations (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
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<td>Information Literacy</td>
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<tr>
<td>Critical Thinking/Problem Solving in Math</td>
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<tr>
<td>Area I Distribution Requirement</td>
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<tr>
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<tr>
<td>Area III Distribution Requirements</td>
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</table>
Human Communication or Elective  3  
Free Electives 6  
Physical Education 1  
\[30-32\]

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
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<td>Academic Writing</td>
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<td>Area Elective</td>
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<td>Print Media Writing</td>
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<td>Area IV Distribution Requirement</td>
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<tr>
<td>Area II Distribution Requirement</td>
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</tr>
<tr>
<td>Communication Theory</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
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</tr>
<tr>
<td>Physical Education</td>
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<tr>
<td>Free Elective</td>
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<td><strong>Total</strong></td>
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**Junior Year**

<table>
<thead>
<tr>
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<tr>
<td>Area I Distribution Requirement</td>
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<tr>
<td>Humanities, Social or Behavioral Science Electives</td>
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<tr>
<td>Support Courses</td>
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<td>Persuasion</td>
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<tr>
<td>Writing for Public Relations</td>
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<td>Area Elective</td>
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<td>Free Electives</td>
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**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Humanities, Social or Behavioral Science Electives</td>
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<td>Area IV Distribution Requirement</td>
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<tr>
<td>Support Course</td>
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<td>Public Relations Planning</td>
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<td>Public Relations Campaigns</td>
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<tr>
<td>Media Laws and Ethics</td>
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<td>Free Electives</td>
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</table>

**MUSIC**

The Division of Music provides students with the opportunity to study music within the context of a liberal arts education. The Division offers three baccalaureate degree programs:

- The bachelor of science degree in General Music Education (BSGME) is a professional degree, stressing competence in teaching the full range of vocal,
in instrumental, and general music from kindergarten through high school. Students acquire a common body of knowledge and skills that constitute a basic foundation for work and continuing growth as a professional musician. Studies are intended to develop knowledge and competencies in performance, aural and analytical skills, composition and improvisation, history and repertoire, and music technology. Students pursuing this degree learn to synthesize their knowledge about music and pedagogy, developing the ability to work independently, form and defend value judgments, work with a comprehensive repertoire from various historical periods and cultures, and understand the basic interrelationships and interdependencies among various music professions. This degree prepares students for professional teacher certification (K-12) in the Commonwealth of Pennsylvania.

The bachelor of science degree in Music with studies in music industry and recording technology (BSM/MIRT) is designed to give students a broad understanding of the activities and responsibilities of the music producer, stressing studies in music, music industry, business, and recording technology.

The bachelor of arts degree in Music (BAM) allows students to acquire a broad knowledge of music, stressing the development of musicianship, the ability to perform and an intellectual grasp of the art. Students pursuing this degree are encouraged to achieve the highest possible level of musical discrimination, creativity, and skill in performance.

In addition, students may pursue a two-year associate of arts degree with an emphasis in Music, a minor in Music, or a minor in Music Industry.

**Music Auditions and Admission to Music Majors**

Official admission to any of the three baccalaureate degrees listed above is by audition only. Auditions may be scheduled on certain designated days during the academic year or by appointment during the summer months. In special circumstances, applicants may request admission into a major after the successful completion of their jury examination at the end of their first semester of study.

The audition must demonstrate musicianship, musical sensitivity, and performance skill on the student’s primary instrument. Three contrasting compositions of the student’s choice must be presented. In addition, the student may be asked to demonstrate basic music reading skills to, show satisfactory proficiency in executing major and minor scales and technical studies, and to answer questions concerning their musical experience and training. Audition candidates should dress appropriately for their audition, and present themselves in a dignified and professional manner.

**Performance Attendance**

All music majors are required to attend a wide variety of performances, concerts, and recitals throughout the school year. Students are responsible for verifying their attendance record. Failure to attend the required number of programs may result in the lowering of a student’s applied music grade, and may affect the student’s ability to advance within their respective curriculum, and may cause their financial aid and/or music scholarship to be reduced or revoked.
Performance Requirements

All BSGME and BAM students in consultation with their applied music instructor are required to perform in a student recital at least once each semester. BSM/MIRT students are not required to perform, but are encouraged to perform at the discretion of their applied music instructor.

All BSGME and BAM students are required to perform a solo recital during their senior year. Six credits with a grade of 2.0 or higher in the primary instrument must be completed before presenting the senior recital. The senior recital will be graded by the music faculty and the result reported in the student’s permanent file. Before performing the senior recital, the student must successfully complete a recital hearing at least two weeks prior to the recital date. The recital program and all program notes must be presented at the recital hearing for approval by the Music faculty. Should the student fail the recital hearing, a second hearing may be required and the recital date may be delayed.

At the discretion of the applied music instructor, any Music major may request permission from the Music faculty to present a junior recital. This recital is often shared with another junior Music major, and is subject to the same rules and standards as a senior recital.

Piano Proficiency Requirements

All Music majors are required to meet basic piano requirements before graduation. Students majoring in Music (BAM) or General Music Education (BSGME) must pass a piano proficiency examination, which is normally taken after four semesters of lessons. The examination includes scales, chords, repertoire, sight reading, harmonization, transposition, and accompaniment. A student must continue to enroll in applied piano until he or she passes all areas of the exam, regardless of how many credits in piano are accumulated. If the student passes the exam completely before the end of the sophomore year, he or she may study voice or another instrument to satisfy the requirement in secondary instrument. Music industry majors (BSM/MIRT) are not required to pass the piano proficiency exam. However, they must meet the proficiency requirements of their individual piano instructors. More detailed piano proficiency instructions and requirements may be obtained from the student’s advisor or the Coordinator of Keyboard Studies.

Applied Music

Applied music study is an important part of a music student’s experience at York College. Whether the student is taking private lessons as a requirement or as an extracurricular activity, it is in the private studio that the student learns to apply musicianship and to develop skill in performance.

Applied music lessons should be scheduled with the applied music instructor or the Director of the Division of Music during the first full week of classes. Once the drop/add period is over, and the student has scheduled a lesson time, the applied music fee will not be refunded for any reason (see catalog under Special Fees).

The applied music student is expected to practice a minimum of 30 minutes per
day per half credit of applied music instruction. However, the student should always consult with their instructor for specific practice requirements, as some instructors may require more than the minimum.

Depending on the number of credits enrolled, the student will receive 12 half-hour lessons or 12 50-minute lessons during a semester. Excused absences due to student illness or other personal problems will be rescheduled at the instructor’s discretion. Lessons missed by the instructor will normally be rescheduled.

All students pursuing the bachelor of science degree in General Music Education are required to participate in chamber music ensembles (small ensembles) every semester. These groups will be supervised and coached by the appropriate applied music faculty member in the student’s primary area of study. Students will study repertoire that features one performer on a part, which may include duets, trios, quartets, and/or other chamber music configurations. The Music faculty considers this requirement to be critical in assisting the General Music Education student in achieving the essential competency and experience for the effective teaching of chamber music activities.

**Jury Examinations**

All students majoring in one of the three degrees in music (BSGME, BSM/MIRT, and BAM) are required to take a jury examination at the end of each semester of study. The examination will be administered by a committee of Music faculty members, who will present the student with written comments regarding their progress and a grade for the examination. This grade will constitute 25% of the student’s final semester grade in applied music.

Satisfactory progress must be demonstrated with each additional semester of study. Should the student fail to do so, the examining committee may recommend that the student be placed on music probation. If the probationary status is not removed after one additional semester of study, the student may be dropped from their respective major and may be in danger of losing any financial aid awarded through the Music Division. A student may be removed from music probation by demonstrating satisfactory progress in the primary applied music area during the jury examination following the semester of music probation.

**Bachelor of Science Degree in General Music Education**

The bachelor of science degree in General Music Education (K-12 Certification) is a professional program stressing competence in teaching the full range of vocal, instrumental, and general music from kindergarten through high school.

To be eligible for graduation, students majoring in General Music Education must complete a minimum of 134 credits, achieve a cumulative grade point average of 3.0 or above, satisfy the College’s residency requirement and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis. In addition, students majoring in General Music Education must earn a minimum grade of 2.0 in all required Music courses.
Required Courses in General Music Education:

In addition to the Common Core, Area Distribution Requirements, Professional Education Courses, and a supervised Student Teaching Semester, the following music courses are required (See Check Sheet for specific courses in these areas):

Historical and Theoretical Courses

- MUS181 Foundations of Music Theory (may be exempt)
- MUS182–283 Music Theory I–V
- MUS184–285 Sight Singing/Ear Training I–V
- MUS290 Introduction to Music Literature
- MUS380 Ethnomusicology
- MUS390–391 Music History I–II
- MUS385 Form and Analysis
- MUS486 Orchestration and Arranging
- MUS490 Choral Conducting
- MUS491 Instrumental Conducting

Music Education Courses

- MUS146 Vocal Methods (Instrumentalists only)
- MUS292 String Methods
- MUS293 Brass Methods
- MUS294 Woodwind Methods
- MUS295 Percussion Methods
- MUS298 Foreign Language Diction for Choirs (Vocalists and Pianists only)
- MUS392 Teaching Music in the Elementary Schools
- MUS393 Teaching Music in the Secondary Schools

Performance Courses

- Primary Applied Music 7 credits
- Secondary Applied Music 2 credits
- Music Ensembles 7 credits
- Senior Recital 0 credits
- Piano Proficiency 0 credits

General Music Education (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area V Distribution Requirement</td>
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<tr>
<td>Analytical Reading and Writing</td>
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<tr>
<td>Academic Writing</td>
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<tr>
<td>Critical Thinking and Problem Solving</td>
<td>3</td>
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<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td>Foundations to Music Theory (may be exempt)</td>
<td>3</td>
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<tr>
<td>Music Theory I</td>
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</table>
**Programs of Study**

### Freshman Year Credits

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<th>Credits</th>
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<td>Sight Singing and Ear Training I</td>
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<tr>
<td>Introduction to Music Literature</td>
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<td>Foreign Language Diction <strong>OR</strong> Vocal Methods</td>
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<tr>
<td>Primary Applied Music</td>
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</tr>
<tr>
<td>Secondary Applied Music</td>
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</tr>
<tr>
<td>Music Ensemble</td>
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<tr>
<td><strong>Total</strong></td>
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**Sophomore Year Credits**

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<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
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<td>Area III Distribution Requirement</td>
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</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Math (see advisor)</td>
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<tr>
<td>Physical Education</td>
<td>2</td>
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<tr>
<td>Music Theory II, III</td>
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<tr>
<td>Sight Singing and Ear Training II, III</td>
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<tr>
<td>Music History I, II</td>
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<tr>
<td>Primary Applied Music</td>
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<td>Secondary Applied Music</td>
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<tr>
<td>Music Ensemble</td>
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**Junior Year Credits**

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<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
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<td>Instructional Technology</td>
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<tr>
<td>Music Theory IV</td>
<td>3</td>
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<tr>
<td>Sight Singing and Ear Training IV</td>
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<tr>
<td>String Methods</td>
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</tr>
<tr>
<td>Brass Methods</td>
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<tr>
<td>Woodwind Methods</td>
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<tr>
<td>Percussion Methods</td>
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</tr>
<tr>
<td>Teaching Music in the Elementary School</td>
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<td>Teaching Music in the Secondary School</td>
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</tr>
<tr>
<td>Form and Analysis</td>
<td>3</td>
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<tr>
<td>Orchestration and Arranging</td>
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<tr>
<td>Ethnomusicology</td>
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<td>Choral Conducting</td>
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<tr>
<td>Instrumental Conducting</td>
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<tr>
<td><strong>Total</strong></td>
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**Senior Year Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>Area IV Distribution Requirement</td>
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<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>
Bachelor of Science Degree in Music Industry and Recording Technology

The bachelor of science degree in Music (with studies in music industry and recording technology) is designed to give students a broad understanding of the activities and responsibilities of the music producer, stressing studies in music, music industry, business, and recording technology.

To be eligible for graduation, students must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or above, satisfy the College’s residency requirement and complete all General Education Requirements of the College. In addition, students majoring in Music Industry and Recording Technology must earn a minimum grade of 2.0 in all required Music courses.

Required Courses in Music Industry and Recording Technology:

In addition to the Common Core and the Area Distribution Requirements, the following music, audio, music industry, and business courses are required (See Check Sheet for specific courses in these areas):

**Historical and Theoretical Courses**

- MUS181  Foundations of Music Theory (may be exempt)
- MUS181–183  Music Theory I–II
- MUS184–185  Sight Singing/Ear Training I–II
- MUS246  Jazz and Popular Music Theory
- MUS247  Commercial Song Writing
- MUS290  Introduction to Music Literature

**Support Courses (choose four)**

- MUS286  Jazz History
- MUS287  American Popular Music
- MUS288  History of Rock and Roll
- MUS380  Ethnomusicology
- MUS450/451  Music Industry Internship
- MUS498/499  Independent Study

*Community and Legal Issues in Education must be taken the semester prior to the Student Teaching Semester.*
Business, Music Industry, and Recording Technology Courses

MKT200 Principles of Marketing
MGT250 Principles of Management
BUS340 Small Business Ventures
CM221 Introduction to Public Relations
MUS297 Survey of Music Industry
MUS397 Entertainment and Promotion
MUS497 Copyright and Licensing
CM231 Audio Production I
MUS346 Music Production I
MUS446 Music Production II

Music Performance Courses

Primary Applied Music 4 Credits
Secondary Applied Music 2 Credits (2 credits must be in piano)
Music Ensemble 4 Credits

Music Industry and Recording Technology (suggested course sequence)

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
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<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>Applied Piano</td>
<td>1</td>
</tr>
<tr>
<td>Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>Music Ensemble</td>
<td>2</td>
</tr>
<tr>
<td>Foundations of Music Theory (may be exempt)</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Music Literature</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
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</tr>
<tr>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>Sight Singing and Ear Training I</td>
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</tr>
<tr>
<td>Music Support Course</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>32</strong></td>
</tr>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Area II Distribution Requirement</td>
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<td>3</td>
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<tr>
<td>Human Communication</td>
<td>3</td>
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<tr>
<td>Audio Production I</td>
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<td>Music Theory II</td>
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<tr>
<td>Sight Singing and Ear Training II</td>
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<tr>
<td>Jazz and Popular Music Theory</td>
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<tr>
<td>Survey of Music Industry</td>
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<td>Applied Music</td>
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</tr>
<tr>
<td>Course</td>
<td>Credits</td>
</tr>
<tr>
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<td>Physical Education</td>
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<td>General Elective</td>
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<td><strong>Junior Year</strong></td>
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<td>Area V Distribution Requirement</td>
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</tr>
<tr>
<td>Music Production I</td>
<td>3</td>
</tr>
<tr>
<td>Music Support Course</td>
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</tr>
<tr>
<td>Commercial Song Writing</td>
<td>3</td>
</tr>
<tr>
<td>Entertainment and Promotion</td>
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</tr>
<tr>
<td>Principles of Marketing</td>
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<td>Introduction to Public Relations</td>
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<td>General Elective</td>
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<td><strong>Senior Year</strong></td>
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<td>Area V Distribution Requirement</td>
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</tr>
<tr>
<td>Music Production II</td>
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</tr>
<tr>
<td>Principles of Management</td>
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</tr>
<tr>
<td>Small Business Ventures</td>
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<td>Copyright and Licensing</td>
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<tr>
<td>General Elective</td>
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</tr>
<tr>
<td><strong>Bachelor of Arts Degree in Music</strong></td>
<td><strong>24</strong></td>
</tr>
</tbody>
</table>

**Bachelor of Arts Degree in Music**

The bachelor of arts degree in Music (BAM) allows students to acquire a broad knowledge of music, stressing the development of musicianship, the ability to perform and an intellectual grasp of the art.

To be eligible for graduation, students majoring in Music must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0 or above, satisfy the College’s residency requirement, and complete the General Education Requirements of the College. In addition, students majoring in Music must earn a minimum grade of 2.0 in all required music courses.

**Required Courses in Music:**

In addition to the Common Core and Area Distribution Requirements, the following music courses are required (See Check Sheet for specific courses in these areas):

**Historical and Theoretical Courses**

- MUS181 Foundation of Music Theory (may be exempt)
- MUS182–283 Music Theory I–IV
MUS184–285 Sight Singing/Ear Training I–IV
MUS290 Introduction to Music Literature
MUS390–391 Music History I–II
MUS385 Form and Analysis
MUS486 Orchestration and Arranging
MUS490 Choral Conducting
MUS491 Instrumental Conducting

Music Performance Courses

- Primary Applied Music 8 Credits
- Secondary Applied Music 2 Credits
- Music Ensembles 8 Credits
- Piano Proficiency 0 Credits
- Senior Recital 0 Credits
- Music Electives 6 Credits

Music (suggested course sequence)

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations of Music Theory (may be exempt)</td>
<td>3</td>
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<tr>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>Sight Singing and Ear Training I</td>
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</tr>
<tr>
<td>Primary Applied Music</td>
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</tr>
<tr>
<td>Secondary Applied Music</td>
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</tr>
<tr>
<td>Music Ensemble</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Music Literature</td>
<td>3</td>
</tr>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Critical Thinking and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
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<tr>
<td>Physical Education</td>
<td>2</td>
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<tr>
<td>General Electives</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
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</tr>
<tr>
<td>Music Theory II, III</td>
<td>6</td>
</tr>
<tr>
<td>Sight Singing and Ear Training II, III</td>
<td>2</td>
</tr>
<tr>
<td>Music History I, II</td>
<td>6</td>
</tr>
<tr>
<td>Primary Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>Secondary Applied Music</td>
<td>1</td>
</tr>
<tr>
<td>Music Ensemble</td>
<td>2</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>
ASSOCIATE DEGREE PROGRAMS

Associate of Arts Degree in Fine Art

The associate degree in Fine Art introduces the technical and conceptual skills to individuals preparing for a professional career in the visual arts. The program emphasizes mastering technical processes, understanding the role of cultural history as an influence upon artistic expression, developing verbal and visual communication skills, and the importance of creative and original thinking.

Requirements for Graduation:

The student is required to complete a series of foundation courses, which are a common studio experience for all art majors. Foundation courses must be successfully completed by the end of the first semester of sophomore year. Foundation courses teach basic skills, provide a technical foundation on which to build, develop creative and problem-solving skills, and help identify professional and studio interests. The student is also required to participate in the Sophomore Portfolio Review.

To be eligible for graduation, students majoring in Fine Art must complete a minimum of 68 credits, achieve a cumulative grade point average of 2.0, satisfy the college’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not
be taken on a pass/fail basis. The student is required to earn a 2.0 or higher in all major courses.

**Required courses for the Associate Degree in Fine Art:**

Foundation Courses  
ART206  Computer Graphics I  
ART210  Design I  
ART211  Design II  
ART215  Drawing I  
ART220  Painting I  
ART265  Drawing II  
ART230  Sculpture I  
ART298  Sophomore Portfolio Review  

Art History Courses  
ART204  Survey of Western Art I  
ART205  Survey of Western Art II  
One Art Elective  

Primary Emphasis  
Digital Art (ART244, 339)  
Drawing (ART216, 315)  
Figure Drawing (ART266, 316)  
Illustration (ART223, 273)  
Jewelry (ART284, 294)  
Painting (ART270, 320)  
Photography (ART245, 295)  
Printmaking (ART287, 291)  
Sculpture (ART280, 330)  

**Fine Art (suggested course sequence)**  

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Graphics I</td>
<td>3</td>
</tr>
<tr>
<td>Drawing I</td>
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<tr>
<td>Drawing II</td>
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</tr>
<tr>
<td>Design I</td>
<td>3</td>
</tr>
<tr>
<td>Design II</td>
<td>3</td>
</tr>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
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<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
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<tr>
<td>Area IV Distribution Requirement</td>
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<tr>
<td>Physical Education</td>
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<tr>
<td><strong>Total</strong></td>
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</tbody>
</table>
**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Painting I</td>
<td>3</td>
</tr>
<tr>
<td>Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>Sophomore Portfolio Review</td>
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</tr>
<tr>
<td>Primary Emphasis</td>
<td>6</td>
</tr>
<tr>
<td>Survey Western Art I</td>
<td>3</td>
</tr>
<tr>
<td>Survey of Western Art II</td>
<td>3</td>
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<tr>
<td>Art History Elective</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
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</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
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<tr>
<td>Free Elective</td>
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<tr>
<td>Physical Education</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td>35</td>
</tr>
</tbody>
</table>

**Associate of Arts Degree in Mass Communication**

An associate degree is available in Mass Communication. Associate degree students will receive instruction in theory and skill development necessary for successful application in related work environments.

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Mass Communication must complete a minimum of 62 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

**The required courses for the Associate degree in Mass Communication are:**

- Mass Communication (CM211)
- Audio Production I (CM226)
- Video Production I (CM242)
- News Writing and Production (CM340)
- Radio TV/Reporting (CM355)
- Media Writing (CM332)
- Radio Practicum (CM132-CM135; must take three 1-credit courses)

**Mass Communication (suggested course sequence)**

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
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<tr>
<td>Radio Practicum</td>
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</tr>
<tr>
<td>Human Communication</td>
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</tbody>
</table>
Information Literacy 2
Area II Distribution Requirement 3
Area I Distribution Requirement 3
Critical Thinking/Problem Solving in Math 3
Area III Distribution Requirement 3-4
Free Elective 3
Area IV Distribution Requirement 3
Area V Distribution Requirement 3
Physical Education 1

32-33

Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Academic Writing</td>
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<tr>
<td>Radio Practicum</td>
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<tr>
<td>Audio Production I</td>
<td>3</td>
</tr>
<tr>
<td>Video Production I</td>
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<tr>
<td>News Writing Production</td>
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<tr>
<td>Radio/TV Reporting</td>
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<tr>
<td>Media Writing</td>
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<td>Mass Communication</td>
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<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
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</tr>
</tbody>
</table>

30

Associate of Arts Degree in Music

The associate of art degree with an emphasis in Music allows the student to integrate music studies into a five semester liberal arts program.

To be eligible for graduation, students pursuing an associate of arts degree in Music must complete a minimum of 63 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis. In addition, students majoring in Music must earn a minimum grade of 2.0 in all required Music courses.

The required courses for the Associate Degree in Music are:

In addition to the Common Core and the Area Distribution Requirements, the following music courses are required (See Check Sheet for specific courses in these areas):

Historical and Theoretical Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS181</td>
<td>Foundations of Music Theory (may be exempt)</td>
</tr>
<tr>
<td>MUS181–283</td>
<td>Music Theory I–IV</td>
</tr>
<tr>
<td>MUS184–285</td>
<td>Sight Singing/Ear Training I–IV</td>
</tr>
<tr>
<td>MUS290</td>
<td>Introduction to Music Literature</td>
</tr>
</tbody>
</table>
Music Performance Courses

- Primary Applied Music 4 Credits
- Secondary Applied Music 2 Credits
- Music Ensemble 4 Credits
- Piano Proficiency 0 Credits

Music (suggested course sequence)

_Freshman Year_  
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area II Distribution Requirement</td>
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<tr>
<td>Area III Distribution Requirement</td>
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<tr>
<td>Analytical Reading and Writing</td>
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<td>Academic Writing</td>
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<td>Critical Thinking and Problem Solving</td>
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<td>Physical Education</td>
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<tr>
<td>Music Theory I</td>
<td>3</td>
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<tr>
<td>Sight Reading and Ear Training I</td>
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<tr>
<td>Introduction to Music Literature</td>
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<td>Primary Applied Music</td>
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Total Freshman Year Credits 30

_Sophomore Year_  
<table>
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<tr>
<th>Course</th>
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<td>Physical Education</td>
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<td>General Electives</td>
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</tr>
<tr>
<td>Music Theory II, III</td>
<td>6</td>
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<td>Sight Reading and Ear Training II, III</td>
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<tr>
<td>Primary Applied Music</td>
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<tr>
<td>Secondary Applied Music</td>
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Total Sophomore Year Credits 29

_Fifth Semester_  
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<td>Sight Singing and Ear Training IV</td>
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</tbody>
</table>

Total Fifth Semester Credits 4

DEPARTMENT MINORS

Art History Minor (18 credits)

The Art History Minor requires six courses selected from the following:

- ART101 Introduction to Art Appreciation*

*Fine Art and Graphic Design majors may not apply this course to a minor in Art History.
ART204  Survey of Western Art I
ART205  Survey of Western Art II
ART388  History of Photography
ART389  History of Graphic Design
ART390  Art of the Classical World
ART391  Nineteenth-Century Art
ART393  American Art
ART394  Twentieth-Century Art I
ART395  Twentieth-Century Art II
ART498/ART499  Independent Study

Music Minor (18 Credits)

MUS182-183  Music Theory I-II
MUS184-185  Sight Singing/Ear Training I-II
MUS290  Introduction to Music Literature
Applied Music  2 Credits
Music Ensemble  2 Credits
Music Elective  3 Credits

Music Industry Minor (18 Credits)

MUS181  Foundation of Music Theory (may be exempt)
MUS297  Survey of Music Industry
MUS397  Entertainment and Promotion
MUS497  Copyright and Licensing

Pick six additional credits from the following:

MUS200  Music Appreciation  **OR**
MUS291  Introduction to Music Literature for Music majors
MUS286  Jazz History
MUS287  American Popular Music
MUS288  History of Rock and Roll
Applied Music  3 Credits

Fine Art Minor (15 credits)

The Fine Art Minor requires five courses:
Introduction to Art Appreciation (ART101) / or Survey of Western Art I (ART204),
**OR** Survey of Western Art II (ART205)

And any FOUR courses from the following:

ART110  Concepts of Design
ART112  Concepts of Figure Drawing
ART114  Concepts of Painting
ART116  Concepts of Sculpture
ART215  Drawing I
ART225  Ceramics I  
ART245  Photography I  
ART275  Ceramics II  
ART396  Art Education for Elementary School Teachers  
ART397  Art in Recreation: Beyond Arts and Crafts

**Photography Minor (15 credits)**

The Photography Minor requires five courses:  
ART110  Concepts of Design  
ART245  Photography I  
ART295  Photo II  
ART388  History of Photography  

And one of the following:  
ART246  Digital Photography  
ART345  Photography III  
ART385  Photography IV

**Public Relations Minor (18 credits)**

CM221  Introduction to Public Relations  
CM271  Print Media Writing  
CM321  Writing for Public Relations  
CM415  Public Relations Planning  
CM421  Public Relations Campaigns  

One elective chosen from:  
CM322  Media Relations  
CM323  Publications Editing and Design  
CM324  Public Relations Events and Promotions  
CM423  Crisis Communications Management  
CM450–451  Communication Internship  
MKT100  Principles of Marketing

**Speech Communication Minor (15 credits)**

CM206  Communication Theory  
CM327  Persuasion  

One course from the following:  
CM211  Mass Communication  
CM212  Public Speaking  
CM329  Interpersonal Communication  

Six credits from any Speech Communication or Mass Communication course beyond CM104 (may not include more than 3 credits of practicum)
Visual Communication (18 credits)

The Visual Communication Minor requires any six courses from the following:*  

 ART101  Introduction to Art Appreciation  
 ART110  Concepts of Design  
 ART134  Concepts of Computer Graphics  
 ART204  Survey of Western Art I  
 OR  
 ART205  Survey of Western Art II  
 ART215  Drawing I  
 ART245  Photography I  
 ART246  Digital Photography  
 ART265  Drawing II  
 OR  

*Graphic Design majors may NOT minor in Visual Communication.
Mission Statement

The master of science degree program in Nursing prepares graduates for advanced practice in the role of adult clinical nurse specialist, nurse anesthetist, adult nurse practitioner, or nurse educator. The program builds on undergraduate education and is intensive and dynamic. Its aim is to develop advanced knowledge and expertise based on critique and application of theory and research. Recognizing that adult learners have unique needs and abilities, the program provides flexibility in planning coursework and requires student initiative in selecting optimal learning experiences to achieve professional goals.

The post-baccalaureate master’s degree program offers the opportunity for advanced preparation in the four areas stated above. In addition, the master’s program offers the option for registered nurses who do not have the baccalaureate degree with a major in Nursing to complete the baccalaureate and master’s degree within the RN to MS Program.

Admission requirements and detailed program information are available in the York College of Pennsylvania Graduate Studies Catalog. Catalogs can be obtained from the Admissions Office, Nursing Department Graduate Office, or the Department of Nursing Office. Information about the program is also available by visiting www. ycp.edu/nursing.

Program Outcomes:

Individuals who have majored in Nursing and who are candidates for the master of science degree from York College of Pennsylvania will demonstrate the ability to do the following:

1. Practice in a leadership role in the clinical setting as clinical nurse specialist, adult nurse practitioner, educator, administrator, or nurse anesthetist.
2. Role model ethical, legal, and professional standards for advanced nursing practice.
3. Integrate advanced knowledge of nursing and related disciplines in the roles of clinical nurse specialist, educator, administrator, nurse anesthetist, or adult nurse practitioner.
4. Evaluate and apply nursing research to clinical, educational, or administrative settings.
5. Assume responsibility for self-directed, lifelong learning and for promoting the professional development of nursing staff and/or students.
6. Design strategies to promote health and collaborative relationships with members of the health care team.
7. Act as a resource for other nurses in the areas of clinical practice, outcomes and evaluation, professional standards, and other health care issues.
8. Preparation of graduates to pass national certification examination for CNS, nurse educator, nurse anesthetist, or nurse practitioner.
BACCALAUREATE DEGREE PROGRAM

The Department of Nursing offers a baccalaureate degree program that leads to a bachelor of science with a major in Nursing. Students are eligible to sit for the registered nurse licensing exam at the end of the program. Nursing students at York College participate in a rigorous and relevant program of study in the sciences and nursing as well as general education courses in the arts, humanities, foreign culture, and the behavioral and social sciences. Special programs are available for registered nurses and licensed practical nurses.

The baccalaureate program in nursing is approved by the Pennsylvania State Board of Nursing and accredited by the Commission on Collegiate Nursing Education. The Nursing major is a highly structured and academically intensive program. It requires motivation, investment of time, and a strong commitment to learning. Desirable professional qualities include aptitude, creativity, self-direction, self-discipline, discretion, integrity, tolerance, flexibility, optimistic outlook, and evidence of good physical and mental health.

Students who are admitted to the Nursing major as freshmen without any college credits, and who meet the academic requirements per catalog schedule, are assured of enrollment in Nursing courses with clinical components. For all other students there may be waiting lists for enrollment in Nursing courses with clinical components based on date of matriculation into the Nursing major.

The Commission on Collegiate Nursing Education (CCNE), One Dupont Circle NW, Suite 530, Washington, DC 20036-1120, telephone (202) 887-6791 is a resource for information regarding tuition, fees, and length of program. This information is provided annually to CCNE by the Department of Nursing.

Graduates of this program, except registered nurses who are already licensed, will be eligible to take the examination for licensure as a registered nurse in all states.

It is a policy of the Pennsylvania State Board of Nursing not to issue a license to an applicant who has been convicted of a felonious act. Persons who have been found guilty of felonious acts as listed in the Prohibitive Offenses contained in Act 13 of 1997 will not be admitted to the program.

Mission Statement

The mission of the Department of Nursing encompasses the following:

- We are committed to providing high-quality baccalaureate and master’s degree academic programs that build on a foundation of general education. The general education is used to facilitate the development of a broadly educated citizen, to support the nursing major and is integrated throughout the program.

- We are committed to a teaching-learning environment characterized by individual attention to students and their learning needs. Classroom and clinical experiences are provided to assist students to utilize critical thinking and communication skills in the application of theory to their professional and personal endeavors.

- Resources are selected to provide a variety of modes for the student to pursue
both guided and independent learning. These include, but are not limited to, group and individual practice in the skills lab, access to audio-visual materials and simulated laboratory activities in the learning center, and supervised practice with patients in selected clinical sites.

- We are committed to providing educational opportunities for traditional-aged, adult, full-time, part-time, and distance students.
- We are supportive of the College’s commitment to acquiring a diverse student body and provide learning experiences that promote cultural awareness.
- We are attentive to community-expressed needs by preparing practitioners who are equipped to practice in a changing health care scene.
- We are committed to providing an environment that promotes academic honesty, personal integrity, and the ability to engage in ethical decision making.
- We strive to create a climate that puts emphasis on learning as a lifelong endeavor.

Program Outcomes

Individuals who have majored in Nursing and who are candidates for the bachelor of science degree from York College of Pennsylvania will demonstrate the ability to do the following:

1. Use knowledge from the arts, sciences, humanities, and the discipline of nursing in nursing practice to assist individuals and groups from diverse populations to adapt to changing health states throughout the life span.
2. Provide safe holistic nursing interventions to individuals and groups in a therapeutic manner that acknowledges and accommodates diversity.
3. Facilitate learning for individuals and groups about health and activities that support a healthy environment.
4. Use leadership skills and ethical principles to foster and advocate for the provision of high-quality nursing services to individuals and groups.
5. Utilize critical thinking skills to implement the nursing process in a caring and professional manner.
6. Incorporate research and evidence-based findings to advance clinical excellence in nursing practice.
7. Communicate clearly and concisely both verbally and in writing.
8. Demonstrate use of technology and nursing informatics.
9. Utilize resources and strategies that support lifelong learning and professional growth.

DEPARTMENT OF NURSING POLICIES

Progression Policies

Admission to York College of Pennsylvania does not automatically ensure progression to a Nursing course with a clinical component, which begins at the second semester of the sophomore level. To enroll in the first Nursing course with a clinical component, Basic Principles of Nursing (NUR210/211), students must have a 2.8 overall cumulative average with a cumulative average of 2.5 in science courses. Students
must have completed the following courses with a minimum grade of 2.0: General Psychology (PSY100), Introduction to Sociology (SOC100), Beg. Princ. Gen./Org. Chm. (CHM122,123), Biology I (BIO150, BIO151), Human Anatomy and Physiology (BIO220, 221), Microbiology (BIO230,231), Human Development and Health Care (NUR201), Nutrition in Health Care (NUR202), and the College Common Core Requirements, which include Analytical Reading and Writing (WRT102), Academic Writing (WRT202), Human Communication (CM104), Information Literacy (IFL101), and Critical Thinking/Problem Solving in Math (MAT111). Anatomy and Physiology and Microbiology must be satisfactorily completed (grade 2.0 or higher) no more than five years prior to NUR210/211. Faculty strongly recommend that students take IFL101 Information Literacy prior to or concurrently with NUR210/211. In the spring semester, Human Anatomy and Physiology may be taken prior to, or concurrently with, NUR210/211.

Only Nursing course credits earned in CCNE- and/or NLNAC-accredited programs will be considered for transfer into the York College of Pennsylvania Nursing program.

To remain in and progress through the Nursing major, a 2.0 or higher must be obtained in each required support and Nursing course and the student must maintain a cumulative average of 2.8. To pass all Nursing courses with a clinical component, students must achieve a satisfactory grade of 2.0 for both the classroom and clinical components of the course. Students who achieve less than a 2.0 in any Nursing course will be permitted to repeat the course one time only. Students may fail only one Nursing course with a clinical component. A second failure in any Nursing course with a clinical component will result in dismissal from the program. Students may repeat non-clinical nursing courses (including required laboratory science courses) only once. All Nursing courses with clinical components must be completed within 12 semesters (six years from the time the student started the first nursing course with clinical component, NUR210/211). Students are expected to exhibit personal and professional attributes that are consistent with effective Nursing practice. To provide safe and effective nursing care during clinical experiences, students must demonstrate preparation for the experiences as outlined in course syllabi, and must be able to make sound nursing judgments. Students who are not making sound judgments and who are not providing safe and effective nursing care will be placed on probation and may be asked to withdraw from Nursing courses with clinical components.

Interruption in the suggested progression of Nursing courses may result in delay in placement in Nursing courses with clinical components.

**Clinical Requirements**

All Nursing majors are expected to adhere to stated Department of Nursing health policies. These are required by the Pennsylvania State Board of Nursing and the contractual agencies for clinical experiences. Specific health policies are included in the Department of Nursing Student Handbook, which is available in the office of the Department of Nursing.
Before the first Nursing course with a clinical component, students are required to have physical examinations, dental examinations, and immunizations. Tuberculin testing and Basic Life Support (BLS) for the Healthcare Provider provided by the American Heart Association is required and must be valid for the entire academic year. In addition, students must obtain criminal record clearance from the Pennsylvania State Police and a Child Abuse Clearance from the Pennsylvania Department of Welfare. Students who have not been Pennsylvania residents for two years prior to their first Nursing course with a clinical component must also undergo a Federal Bureau of Investigation (FBI) background check. All students are required to complete a urine drug screening at the lab selected by the Department of Nursing. All clinical requirements are due on July 1 for students who will enter clinical in the fall semester and December 30 for students who will enter clinical in the spring semester. Please allow adequate time for the requirements to be completed and submitted to the Department. Students who do not submit the necessary reports to the Nursing Department Office by the due date will be withdrawn from the Nursing course with a clinical component. Admission to a Nursing course with a clinical component the following semester will depend on availability of space.

Students in all Nursing courses with clinical components must have current Tuberculin testing, Basic Life Support (BLS) for the Healthcare Provider, criminal background checks, Child Abuse Clearance, and FBI checks updated yearly that will not expire during the semester. All clinical requirements are due on July 1 for the fall semester and December 30 for the spring semester. Students who do not submit the necessary reports to the Nursing Department Office by the stated due date will be withdrawn from the Nursing course with a clinical component. Admission to a nursing course with a clinical component the following semester will depend on availability of space.

Transportation

All students must provide their own transportation to all Nursing practice facilities beginning with the sophomore year. Students must abide by agency parking regulations.

Liability Insurance

Liability insurance is required for all students who are enrolled in Nursing courses with clinical components and is payable to the College Business Office.

Uniforms

Uniforms must be worn during planned nursing practice assignments supervised by York College Nursing faculty. Specific uniform policies and requirements are stated in the Department of Nursing Student Handbook and are discussed at the beginning of the first Nursing course with a clinical component. Students must purchase uniforms and laboratory supplies in preparation for clinical experiences.
Bachelor of Science Degree with a Major in Nursing

Requirements for Graduation:

To be eligible for graduation, students majoring in Nursing must complete a minimum of 132 credits, achieve a cumulative grade point average of 2.8, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, Nursing majors must achieve a grade of 2.0 or higher in all required courses in the major.

The required courses for the Nursing Major are:

- PSY100 General Psychology*
- SOC100 Introduction to Sociology*
- CHM122 Beg.Prin.Gen./Org.Chm
- CHM123 Beg.Prin.Gen./Org.Chm Lab
- BIO150 Biology I
- BIO151 Biology I Lab
- BIO220 Anatomy and Physiology I
- BIO221 Anatomy and Physiology I Lab
- BIO222 Anatomy and Physiology II
- BIO223 Anatomy and Physiology II Lab
- BIO230 Microbiology
- BIO231 Microbiology Lab
- BEH260 Statistics
- NUR201 Human Development and Health Care
- NUR202 Nutrition in Health
- NUR210/211 Basic Principles in Nursing Practice**
- NUR300 Pharmacology for Nurses
- NUR314 Research and Professional Nursing Practice
- NUR340/341 Nursing Concepts and Practice:
  Adults with Chronic Health Problems
- NUR350/351 Nursing Concepts and Practice: Women’s Health
- NUR352/353 Nursing Concepts and Practice:
  Children with Acute Health Problems
- NUR400/401 Nursing Concepts and Practice: Community Health
- NUR422/423 Nursing Concepts and Practice: Psychiatric/Mental Health
- NUR440/441 Nursing Concepts and Practice:
  Adults with Acute Health Problems
- NUR450/451 Nursing Practicum
- NUR460 Leadership in Professional Nursing

*Courses also meet the Area Distribution Requirements.
**Note prerequisites stated in narrative.
Nursing (suggested course sequence)

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Biology I</td>
<td>4</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
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</tr>
<tr>
<td>Free Elective</td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Writing</td>
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</tr>
<tr>
<td>Area IV Distribution Requirement</td>
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</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Anatomy and Physiology I and II</td>
<td>8</td>
</tr>
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<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>Human Development</td>
<td>3</td>
</tr>
<tr>
<td>Basic Principles</td>
<td>5</td>
</tr>
<tr>
<td>Health Assessments for Professional Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
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<td><strong>Total</strong></td>
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</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Area I Distribution Requirement</td>
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</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Pharmacology for Nurses</td>
<td>3</td>
</tr>
<tr>
<td>Nursing Concepts and Practice: Adults with Chronic Health Problems</td>
<td>6</td>
</tr>
<tr>
<td>Statistics</td>
<td>3</td>
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<tr>
<td>Nursing Concepts and Practice: Women’s Health</td>
<td>3</td>
</tr>
<tr>
<td>Nursing Concepts and practice: Children with Acute Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>Research and Professional Nursing</td>
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<tr>
<td>Free Electives</td>
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<td><strong>Total</strong></td>
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</table>
## Senior Year

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Concepts and Practice: Community Health (1st semester)</td>
<td>7</td>
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<tr>
<td>Concepts and Practice:</td>
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<tr>
<td>Psychiatric/Mental Health Nursing (1st semester)</td>
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<tr>
<td>Concepts and Practice:</td>
<td></td>
</tr>
<tr>
<td>Adults with Acute Health Problems (2nd semester)</td>
<td>7</td>
</tr>
<tr>
<td>Leadership in Professional Nursing (2nd semester)</td>
<td>3</td>
</tr>
<tr>
<td>Nursing Practicum (2nd semester)</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

### Advanced Placement for the Licensed Practical Nurse (LPN) and the Registered Nurse (RN)

Nurses who graduated from a NLNAC-accredited program, hold a Pennsylvania RN or LPN license to practice nursing, and meet program admission requirements are eligible for direct articulation into the Nursing program. This allows the student to progress without repetition of previously learned knowledge.

### Program of Study for the Licensed Practical Nurse

Licensed practical nurses who are granted advanced placement must maintain a current license issued by the Pennsylvania State Board of Nursing. LPNs may earn credit for the sophomore-level (200) nursing courses when they complete NUR220 Concepts in Professional Nursing for the Licensed Practical Nurse.

### Baccalaureate Degree Completion Program for Registered Nurses

The Department of Nursing offers a program that facilitates the progress of the registered nurse student who wishes to obtain the baccalaureate degree. The program offers flexibility; advanced placement credit for NUR201, NUR202, NUR210/211, NUR300, NUR340/341, NUR350/351, NUR352/353, NUR400/401, NUR422/423, and NUR440/441; acceptance of transfer courses earned prior to admission; and opportunity to earn Common Core and Area Distribution Requirement credits through CLEP examinations.

Student records will be assessed individually for program planning of necessary requirements. Registered nurse licensure in Pennsylvania is required. Students are also required to show evidence of having purchased liability insurance.

Students must complete the following at York College of Pennsylvania:

- NUR320  Health Assessment for Registered Nurses
- NUR321  Transitional Concepts for Registered Nurses
- NUR331  Alternative and Complimentary Therapies in Nursing and Healthcare
- NUR332  Research Concepts for Registered Nurses
- NUR421  Leadership Concepts for Registered Nurses
- NUR456/457 Community Health Concepts and Issues for Registered Nurses
RN-MS Degree Program

The RN-MS program of study is designed for registered nurses who do not have a baccalaureate degree in nursing but possess the academic background, desire, and ability to pursue preparation at the master’s level. The curriculum combines elements of the BS program for RNs with the master’s program and streamlines progression toward the master’s degree.

RN-MS students enter as undergraduate seniors, having earned at least 127 credits including all baccalaureate-level work. Forty-one additional credits are required for a master of science degree. Bachelor’s/master’s overlap courses account for four credits of the total credits required for the master’s program.

Detailed information about the RN-MS program of study and its admission requirements can be found in the York College of Pennsylvania Graduate Studies Catalog.
Students who pursue one of the majors in the Physical Sciences Department will gain the skills that are increasingly demanded in today’s highly technical world. It is the mission of the Physical Sciences Department to prepare students for a career in a scientific and/or technical field by developing their professional fitness, their proficiency with the problem-solving techniques of mathematics and science, and their expertise in using modern equipment and software. In keeping with the mission of the College to prepare students for their professional careers, our major programs also incorporate a variety of real-world projects, such as co-ops and internships, with our partners in local industry. The reward for the dedication and hard work required for successful completion of a major in this department is the key to enter the technical/professional world—in business or industry, in education, or further study in graduate school.

The Physical Sciences Department offers programs leading to the bachelor of science degree with majors in Chemistry, Clinical Laboratory Science, Computer Science, Electrical & Computer Engineering, Engineering Management, Forensic Chemistry, Mathematics, Mechanical Engineering, Secondary Education-General Science, and Secondary Education-Mathematics. The Clinical Laboratory Science program includes three years of classroom and laboratory instruction followed by one year of hospital clinical study. (Two-year programs leading to the associate of science degree are offered in Chemistry and Physics.)

**BACCALAUREATE DEGREE PROGRAMS**

**Bachelor of Science Degree in Chemistry**

The Chemistry Major is designed to prepare students as professionals for graduate or professional studies or for employment as a chemist. The program of study follows guidelines outlined by the American Chemical Society.

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Chemistry must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Chemistry must earn a 2.0 in all major courses.

**The courses required for the Chemistry Major are:**

Common Core Requirements (17 credit hours)

- WRT102 Analytical Reading and Writing (3)
- WRT202 Academic Writing (3)
- CM104 Human Communication (3)
- IFL101 Information Literacy (2)
- MAT171 Calculus I (4) (fulfills core mathematics requirement)
  Physical Education (2)
Area Distribution Requirements (24 credit hours)

Area I: Fine Arts and Humanities (6)
Area II: Social and Behavioral Sciences (6)
Area IV: American/Western Civilization and Government (6)
Area V: International Studies/Foreign Language (6)

Free Electives (13-15 credits)

Required Major Courses (68-70 credits)

CHM130 First-year Chemistry Colloquium
CHM134 General Chemistry I*
CHM136 General Chemistry II* OR
CHM146 Advanced Chemistry II
CHM150 Introductory Seminar in Computers for Chemists
CHM152 Introductory Seminar in Chemistry Issues, Ethics, and Experimental Design
PHY110 General Physics (Mechanics and Heat) OR
PHY160 Engineering Physics (Mechanics)
PHY112 General Physics (Electricity and Magnetism) OR
PHY162 Engineering Physics (Heat, Thermodynamics, and Sound)
CHM234 Organic Chemistry I
CHM236 Organic Chemistry II
MAT172 Calculus II
MAT271 Calculus III
MAT272 Differential Equations
CHM336 Quantitative Analytical Chemistry
CHM338 Instrumental Analytical Chemistry
CHM344 Physical Chemistry I
CHM346 Physical Chemistry II
CHM444 Inorganic Chemistry
CHM451 Capstone Laboratory Experience
CHM481 Independent Study
PSC474 Physical Science Seminar

One course from the following:

CHM434 Advanced Organic Chemistry
CHM482 Independent Study
CHM498 Chemistry Internship
CHM350/BIO350 Biochemistry

*Fulfill Area III Distribution Requirements.
### Chemistry (suggested course sequence)

**Freshman Year**

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>First Year Chemistry Colloquium</td>
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<tr>
<td>General Chemistry I</td>
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</tr>
<tr>
<td>Advanced Chemistry II</td>
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</tr>
<tr>
<td>Introductory Seminar in Computers for Chemists</td>
<td>1</td>
</tr>
<tr>
<td>Physics</td>
<td>8</td>
</tr>
<tr>
<td>Calculus I and II</td>
<td>8</td>
</tr>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
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<tr>
<td>Physical Education</td>
<td>1</td>
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<td></td>
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**Sophomore Year**

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<th>Course</th>
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<tbody>
<tr>
<td>Organic Chemistry</td>
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<tr>
<td>Introductory Seminar in Chemistry Issues, Ethics, and Experimental Design</td>
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</tr>
<tr>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>Differential Equations</td>
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</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
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<td>Area V Distribution Requirements</td>
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<td>Area I Distribution Requirement</td>
<td>3</td>
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<tr>
<td>Human Communication</td>
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<td>Physical Education</td>
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**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Physical Chemistry</td>
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<td>Quantitative Analytical Chemistry</td>
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<tr>
<td>Instrumental Analytical Chemistry</td>
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<tr>
<td>Capstone Laboratory Experience</td>
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<tr>
<td>Area IV Distribution Requirements</td>
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<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
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<tr>
<td>Area II Distribution Requirements</td>
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<td></td>
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**Senior Year**

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Inorganic Chemistry</td>
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<tr>
<td>Physical Sciences Seminar</td>
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<tr>
<td>Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry Elective</td>
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<td>Free Electives</td>
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<tr>
<td></td>
<td><strong>27-29</strong></td>
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</tbody>
</table>
Bachelor of Science Degree in Clinical Laboratory Science

Students pursuing a B.S. in Clinical Laboratory Science (CLS) complete three years of study at the College followed by a fourth clinical year of study in a hospital program for clinical laboratory science or medical technology. The hospital program must be accredited by NAACLS, the National Accrediting Agency for Clinical Laboratory Science.

A clinical laboratory scientist performs tests under the direction of pathologists, physicians, or scientists who specialize in clinical chemistry, microbiology, hematology, diagnosis of disease, and other clinical fields. Upon attaining the B.S. degree and passing the National Registry Examination, the clinical laboratory scientist is qualified to work in medical laboratories in hospitals or private facilities, research laboratories, industrial laboratories, and in a variety of other laboratory positions.

Application to hospital programs is initiated by the student during the summer before the junior year. Students arrange with the Clinical Laboratory Science Coordinator to apply for the senior clinical year, and the College assists students throughout the selection process. While qualified applicants normally are accepted into a clinical year program, the College cannot guarantee acceptance. Selection criteria used by hospitals for clinical year candidates include student’s cumulative GPA, letters of recommendation, personal interviews, and college affiliation. For more details, see Requirements for Graduation, which follow.

Should a student elect not to continue in the Clinical Laboratory Science Program or not be admitted to the hospital-based professional program, the student can change majors or reapply the following year.

The clinical year is normally a 12-month program beginning in August of a student’s senior year. Students will register with the College during the clinical year of study; however, no tuition is remitted to the College. The College Financial Aid Office remains available for assistance to students for paying tuition costs to the Clinical Laboratory Science Program. Students are permitted to participate in the formal spring graduation ceremony at the College even though the clinical year program is still in progress.

York College is affiliated with York Hospital, York, PA; St. Christopher’s Hospital for Children, Philadelphia, PA; Lancaster General College of Nursing and Health Science, Lancaster, PA; Morristown General Hospital, Morristown, NJ; and WCA Hospital, Jamestown, NY. The programs of study vary somewhat with each hospital. Students may pursue the senior clinical year of study at the affiliate hospitals or NAACLS-accredited non-affiliate programs.

Requirements for Graduation:

To be eligible for graduation, students majoring in Clinical Laboratory Science must complete a minimum of 129 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis, and credits earned in WRT100 may not be applied to degree requirements.
In addition, students majoring in Clinical Laboratory Science must apply to a hospital clinical laboratory science or medical technology school (NAACLS accreditation required) in the summer before the junior year, for admission to the senior clinical year program. A minimum 2.5 grade point average is required for eligibility; however, students are encouraged to maintain a 3.0 grade point average in order to be competitive for admission to the senior year programs. All General Education Requirements and all required courses for the major (except CLS401-6) must be completed before the student enters the clinical year.

**The courses required for the Clinical Laboratory Science Major are:**

Common Core Requirements (16 credit hours)
- WRT102  Analytical Reading and Writing (3)
- WRT202  Academic Writing (3)
- CM104  Human Communication (3)
- IFL101  Information Literacy (2)
- MAT120  Applied Calculus (3) (fulfills core mathematics requirement)
- Physical Education (2)

Area Distribution Requirements (24 credit hours)
- Area I:  Fine Arts and Humanities (6)
- Area II:  Social and Behavioral Sciences (6)
- Area IV:  American/Western Civilization and Government (6)
- Area V:  International Studies/Foreign Language (6)

Free Electives (12 credits)

Required science courses during the three years of study on campus (45 credits)
- BIO100  Introduction to Allied Health
- BIO150  Biology I
- BIO220  Human Anatomy and Physiology I
- BIO222  Human Anatomy and Physiology II
- BIO230  Microbiology
- BIO240  Genetics
- BIO354  Immunology
- BIO350/CHM350  Biochemistry
- CHM134  General Chemistry I
- CHM136  General Chemistry II
- CHM234  Organic Chemistry I
- CHM338  Instrumental Analytical Chemistry

Required courses during the clinical year (32 credits)
- CLS401  Clinical Microbiology
- CLS402  Clinical Chemistry
- CLS403  Clinical Hematology/Coagulation
Clinical Laboratory Science (suggested course sequence)

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
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<tr>
<td>Human Communications</td>
<td>3</td>
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<tr>
<td>Information Literacy</td>
<td>2</td>
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<tr>
<td>Introduction to Allied Health</td>
<td>1</td>
</tr>
<tr>
<td>Biology I</td>
<td>4</td>
</tr>
<tr>
<td>General Chemistry I and II</td>
<td>8</td>
</tr>
<tr>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirements</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Human Anatomy and Physiology I and II</td>
<td>8</td>
</tr>
<tr>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
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</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>Immunology</td>
<td>4</td>
</tr>
<tr>
<td>Instrumental Analytical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
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<td>Area IV Distribution Requirement</td>
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</tr>
<tr>
<td>Electives</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>

**Senior Year**

Clinical year of study in an NAACLS-approved program.

Credits for individual courses may vary with program.

The courses include: Clinical Microbiology, Clinical Chemistry, Clinical Hematology/Coagulation, Clinical Immunohematology, Clinical Immunology/Serology, Clinical Seminar
Bachelor of Science Degree in Computer Science

York College offers a full spectrum of academic opportunities for students interested in pursuing a career in the fast-growing and ever-changing field of computing. The B.S. degree in Computer Science (CS) offered by the Physical Sciences Department is designed for those pursuing computing careers in a technical or scientific field. York College also offers the B.S. degree in Computer Information Systems (CIS) through the Business Department for those pursuing business computing careers. Consistent with the mission of the College to help students prepare for their post-graduate careers, the CS Program blends the practical with the theoretical. In their final year of study, students put together the technical, theoretical, and practical aspects of their computer science education through industry internships and/or upper-level projects and a required senior design project.

The Computer Science Program at York College is built on guidelines recommended by the Institute of Electrical and Electronic Engineers Computer Society (IEEE-CS) and the Association for Computing Machinery (ACM). The Computer Science program in the Department of Physical Sciences at York College is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone (410) 347-7700.

The Computer Science Program is designed with the following long-term educational objectives for alumni of the Program:

- To have a solid and rigorous background in computer science principles, including the requisite theoretical foundations and problem-solving skills, to succeed in industry or pursue advanced graduate studies;
- To develop the effective verbal and written communication skills needed for successful collaboration in team software development environments; and
- To act as a contributing member of the computing profession in society at large.

To facilitate these objectives, the CS Program has adopted the following educational outcomes for its graduates from the 2008-2009 ABET Criteria for Accrediting Computing Programs:

a. An ability to apply knowledge of computing and mathematics appropriate to the discipline
b. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution
c. An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs
d. An ability to function effectively on teams to accomplish a common goal
e. An understanding of professional, ethical, legal, security, and social issues and responsibilities
f. An ability to communicate effectively with a range of audiences
g. An ability to analyze the local and global impact of computing on individuals, organizations, and society
h. Recognition of the need for and an ability to engage in continuing professional development
i. An ability to use current techniques, skills, and tools necessary for computing practice
j. An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices
k. An ability to apply design and development principles in the construction of software systems of varying complexity
l. A working knowledge and basic competency in a specialized area, achieving depth as well as breadth of abilities

Requirements for Graduation:

To be eligible for graduation, students majoring in Computer Science must complete a minimum of 125 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis, and credits earned in WRT100 may not be applied to degree requirements.

In addition, students majoring in Computer Science must achieve a grade of 2.0 or higher in all major requirements. At least four 300-400 level courses and one programming language course must be taken at York College.

The required courses for the Computer Science Major are:

Common Core Requirements (17 credit hours)

- WRT102 Analytical Reading and Writing (3)
- WRT202 Academic Writing (3)
- CM104 Human Communication (3)
- IFL101 Information Literacy (2)
- MAT171 Calculus I (4)
  Physical Education (2)

Area Distribution Requirements (24 credit hours)

- Area I: Fine Arts and Humanities (6)
- Area II: Social and Behavioral Sciences (6)
- Area IV: American/Western Civilization and Government (6)
- Area V: International Studies/Foreign Language (6)

Free Electives (12 credits)

Science and Mathematics Component (25-28 credits)

- PHY160/[PHY162 or PHY260 or PHY262] OR CHM134/136
- OR BIO150/152 (8-10)
  Additional four-credit Area III Lab Science (4)
MAT172 Calculus II (4)
MAT235 Discrete Mathematics (3)
MAT350 Probability and Statistics (3)
MAT260 Linear Algebra (3) OR MAT271 Calculus III (4) OR MAT272 Differential Equations (4)

Computer Science Component (35-36 credits)

CS100 CPADS (2)
CS101 Fundamentals of Computer Science I (2)
CS201 Fundamentals of Computer Science II (4)
CS320 Software Engineering and Design (3)
CS340 Programming Language Design (3)
CS350 Data Structures (3)
CS360 Analysis of Algorithms (3)
CS420 Operating Systems (3)
CS456 Social & Professional Issues in Computing (3)
CS481 Senior Software Project I (3)
IFS325 Introduction to Networks (3)
ECE260 Fundamentals of Computer Engineering (4) OR IFS350 Hardware/Software Architectures (3)

Computer Science Electives (12 credits)

Four of the following:

CS370 Computer Graphics Programming I
CS482 Senior Software Project II
CS490 CS Internship I
CS495–497 Special Topics in Computer Science
CS498 Independent Study
ECE370 Microprocessor System Design
IFS335 Advanced Network Design
IFS460 Database Management Systems
MAT391 Cryptology
CS/MAT470 Numerical Analysis

Computer Science (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CPADS</td>
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<td>Calculus I</td>
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<tr>
<td>ADR III Lab Science</td>
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<tr>
<td>Analytical Reading and Writing</td>
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<td>Area Distribution Requirement</td>
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<tr>
<td>Fundamentals of CS I</td>
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<tr>
<td>Calculus II</td>
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<tr>
<td>ADR III Lab Science</td>
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</tr>
<tr>
<td>Year</td>
<td>Credits</td>
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<td>Engineering</td>
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</tbody>
</table>

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 environmental issues, safety, timeliness, reliability, ethics, aesthetics, and social impact. Engineers must understand the implications and interaction of these constraints within the framework of our technology-dependent society. Engineering has long played a key role in adapting scientific knowledge to societal needs. In virtually every sector of our economy, engineers draw upon mathematics and basic science to design machines, processes, and systems of all types.

At York College, students pursue bachelor of science degrees in Computer Engineering, Electrical Engineering, and Mechanical Engineering. These three disciplines encompass an extraordinarily wide range of technical work, including machine design, HVAC, electromechanical power conversion, automated manufacturing, robotics, telecommunications, embedded control systems, and microprocessor design.

Engineering majors at York College participate in a rigorous and relevant program of study in science, mathematics, and engineering, as well as general education courses in the arts, humanities, foreign culture, and the behavioral and social sciences. The engineering component of the program, in addition to being academically rigorous, places strong emphasis on hands-on experience and the art of engineering design. The curriculum provides for both breadth and depth through required and elective Engineering courses.

All Engineering majors also complete three semesters of salaried professional work through the Engineering Cooperative Education (“co-op”) Program. The Program is supported in part by an active partnership of regional industrial and business organizations. This partnership provides financial resources for engineering scholarships and laboratory development, and co-op opportunities for students. It also provides for ongoing interaction with practicing engineers and engineering managers to assure a relevant curriculum of the highest standards.

All Engineering students undergo regular exposure to the profession and practice of engineering. This occurs through client- and national society-based design projects as well as through involvement with professional societies including seminars, field trips, dinner meetings, and student-chapter activities.

Career options for York College Engineering graduates cover the range from entry-level engineering positions in industry and business to advanced study leading to graduate degrees. A multitude of options exists in industry, including product research and development in both the consumer and commercial sectors; automated system design and process control in manufacturing; materials characterization and engineering; power generation, transmission, conversion, utilization, and management; design of portable electronic devices for communication and entertainment; microprocessor-based intelligent systems and materials; and the design of microprocessors. York College Engineering graduates may also pursue graduate study in engineering or other fields such as business, law, or medicine.

York College is committed to providing its Engineering majors with the highest quality educational experience possible. Our programs feature small classes and labs taught by full-time faculty, closeness with faculty and fellow students both within and beyond the academic realm, and a rich and open relationship with the faculty and student body as a whole.
Accreditation

The Mechanical Engineering program is fully accredited under the most current criteria (EC2000) of the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET).

The Electrical Engineering and Computer Engineering programs of York College are not accredited at this time; however, they are designed to meet the program criteria set forth by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering Technology (ABET).

Mission Statement

In the belief that engineering is both a social and technical profession, the Engineering programs at York College are committed to preparing engineers to practice their profession in the face of challenges—both known and unknown—that are many and diverse. Engineers preparing for work in the coming decades will be required to contend with an ever-increasing pace of change, an explosion of information, and the globalization of economies and technology. They will need an increased awareness of, and ability to deal with, environmental and national priorities, and an understanding of, and appreciation for, the human condition.

In our effort to prepare students to meet these and other challenges for the exciting and unknown road ahead, our Engineering programs, consistent with their origin and institutional mission, are dedicated to providing their Engineering graduates with the knowledge and skills necessary to successfully practice their chosen profession, to pursue graduate study in engineering or other fields, and to inspire a passion for lifelong learning.

Criteria for Admission

Criteria for admission as an Engineering major at York College include satisfactory evaluation of the following:

1. High school academic performance including class rank and quality of courses taken
2. Minimum high school (or equivalent) preparation will include
   a. Three years of laboratory science (physics strongly recommended)
   b. Four years of mathematics normally covering elementary and intermediate algebra, plane geometry, and trigonometry
   c. Four years of English
3. SAT or ACT scores
4. High school recommendations
5. Personal qualities and extracurricular record

Transfer Students

Students who have successfully completed (or are in the process of completing) the A.S. degree in engineering science at two-year institutions or who wish to transfer to York College from other four-year institutions may apply for admission to study
engineering at York College. Transfer applicants must submit a completed application form and official transcripts from each college attended. Admission is considered on a case-by-case basis. Interviews are optional but encouraged.

Graduation Requirements
To be eligible for graduation, students majoring in Computer, Electrical, and Mechanical Engineering must (i) achieve a grade of 2.0 or higher in courses required for the major, (ii) achieve a cumulative GPA of 2.0 or higher, (iii) satisfactorily complete three full semesters of co-op, (iv) satisfy the College’s residency requirement, and (v) complete the General Education Requirements of the College. Students majoring in Computer or Electrical Engineering must complete a minimum of 143 total credits while those majoring in Mechanical Engineering must complete a minimum of 141 credits.

Engineering Curriculum
The curriculum provides a balance of courses in three areas:
1. Science, mathematics, and basic engineering
2. Fine arts and humanities, international studies/foreign language, American/Western civilization and American government, and the behavioral and social sciences
3. Professional engineering practice including a significant component of open-ended design problems and three semesters of industry-based co-op

Required Courses for all Engineering majors:

Common Core Requirements (17 credit hours)
- WRT102 Analytical Reading and Writing (3)
- WRT202 Academic Writing (3)
- CM104 Human Communication (3)
- IFL101 Information Literacy (2)
- MAT171 Calculus I (4)
- Physical Education (2)

Area Distribution Requirements (24 credit hours)
- Area I: Fine Arts and Humanities (6)
- Area II: Social and Behavioral Sciences (6)
- Area IV: American/Western Civilization and Government (6)
- Area V: International Studies/Foreign Language (6)

Science and Mathematics Requirements (27 credit hours)
- CHM134 General Chemistry I (3)
- CHM135 General Chemistry I Lab (1)
- CS101 Fundamentals of Computer Science I (2)
- EGR240 Mathematical Methods for Engineers (3)
PHY160  Engineering Physics (Mechanics) (4)  
PHY161  Engineering Physics Lab (Mechanics) (1)  
PHY260  Engineering Physics (Electricity & Magnetism) (4)  
PHY261  Engineering Physics Lab (E & M) (1)  
MAT172  Analytic Geometry and Calculus II (4)  
MAT272  Differential Equations (4)  

General Engineering Requirements (17 credit hours)
- EGR100  Engineering Practice and Design Studio (EPADS) I (2)
- EGR102  Engineering Practice and Design Studio (EPADS) II (2)
- EGR290  Engineering Career Training Preparation (1)
- ECE400/ME400  Capstone Design I (3)
- ECE402/ME402  Capstone Design II (3)
- EGR491  Co-op I (2)
- EGR492  Co-op II (2)
- EGR493  Co-op III (2)

Additional Computer Engineering Requirements (58 credit hours)
- CS201  Fundamentals of Computer Science II (4)
- CS360  Analysis of Algorithms (3)
- CS420  Operating Systems (3)
- ECE220  Design & Analysis of Digital Circuits (4)
- ECE235  Computations in Discrete Mathematics (1)
- ECE260  Fundamentals of Computer Engineering (4)
- ECE270  Waves & Optics (3)
- ECE280  Fundamentals of Electrical Engineering (4)
- ECE310  Design & Analysis of Analog Circuits (4)
- ECE332  Introduction to Signal Processing (4)
- ECE340  Random Signals (3)
- ECE370  Microprocessor System Design (3)
- ECE420  Embedded System Design (3)
- One upper-division ECE Stem Elective sequence (6)

Plus three of the following Engineering Electives (9)
- CS320, 340; ECE350, 360, 380, 410, 430, 446, 450, 454
- ECE470, 472, 474, 476, 478, 480, 482; EGR342, 392, 442, 490

Additional Electrical Engineering Requirements (58 credit hours)
- CS201  Fundamentals of Computer Science II (4)
- EGR342  System Modeling and Analysis (3)
- ECE220  Design & Analysis of Digital Circuits (4)
- ECE235  Computations in Discrete Mathematics (1)
- ECE260  Fundamentals of Computer Engineering (4)
- ECE270  Waves & Optics (3)
- ECE280  Fundamentals of Electrical Engineering (4)
- ECE310  Design & Analysis of Analog Circuits (4)
ECE332  Introduction to Signal Processing (4)
ECE340  Random Signals (3)
ECE350  Electromagnetic Fields (3)
Two upper-division ECE Stem Elective sequences (12)

Plus three of the following Engineering Electives (9)
CS420; ECE360, 370, 380, 410, 420, 430, 446, 450, 454
ECE470, 472, 474, 476, 478, 480, 482; EGR392, 442, 490

Upper-division ECE Stem Elective sequences
ECE360 and ECE410
ECE370 and ECE420
ECE380 and ECE430
EGR392 and EGR442

Additional Mechanical Engineering Requirements (56 credit hours)
ECE280  Fundamentals of Electrical Engineering (4)
EGR342  System Modeling and Analysis (3)
EGR305  Statistical Design and Process Control (3)
ME250  Statics (3)
ME252  Dynamics and Vibration (4)
ME260  Materials Science (3)
ME261  Materials Science Laboratory (1)
ME264  Strength of Materials (3)
ME265  Materials and Solids Laboratory (1)
ME320  Thermodynamics (4)
ME 351  Instrumentation and Microprocessor Lab (1)
ME360  Fluid Mechanics (3)
ME361  Thermo/Fluids Laboratory (1)
ME380  Machine Design (4)
ME410  Heat Transfer (4)
ME411  Thermal System Design (2)
Four Engineering Electives (12)

Engineering Suggested Course Sequences
All Engineering majors have a common set of suggested courses in the freshman year.
All Computer and Electrical Engineering majors also have a common set of suggested courses in the sophomore year.

Computer Engineering

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
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</tr>
<tr>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>General Chemistry I</td>
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</tr>
<tr>
<td>Analytical Reading and Writing</td>
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<td>Course</td>
<td>Credits</td>
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<tr>
<td>-------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>EPADS I</td>
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<tr>
<td>Area Distribution Requirement</td>
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<tr>
<td>Physical Education</td>
<td>1</td>
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<td><strong>Total</strong></td>
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**Spring**

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Calculus II</td>
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</tr>
<tr>
<td>Engineering Physics (Mechanics)</td>
<td>5</td>
</tr>
<tr>
<td>Academic Writing</td>
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</tr>
<tr>
<td>Information Literacy</td>
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<tr>
<td>EPADS II</td>
<td>2</td>
</tr>
<tr>
<td>Fundamentals of Computer Science I</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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**Sophomore Year**

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Engineering Physics (Electricity and Magnetism)</td>
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<tr>
<td>Fundamentals of Computer Science II</td>
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<tr>
<td>Design &amp; Analysis of Digital Circuits</td>
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</tr>
<tr>
<td>Computations in Discrete Mathematics</td>
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</tr>
<tr>
<td>Engineering Career Seminar</td>
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<tr>
<td>Area Distribution Requirement</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18</strong></td>
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**Spring**

<table>
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<th>Course</th>
<th>Credits</th>
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<td>Mathematical Methods in Electrical Engineering</td>
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</tr>
<tr>
<td>Fundamentals of Computer Engineering</td>
<td>4</td>
</tr>
<tr>
<td>Fundamentals of Electrical Engineering</td>
<td>4</td>
</tr>
<tr>
<td>Waves and Optics</td>
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</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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<td><strong>Total</strong></td>
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**Summer**

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**Junior Year**

**Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Design &amp; Analysis of Analog Circuits</td>
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<tr>
<td>Introduction to Signal Processing</td>
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<tr>
<td>Operating Systems</td>
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<tr>
<td>Differential Equations</td>
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<tr>
<td>Area Distribution Requirement</td>
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<td><strong>Total</strong></td>
<td><strong>18</strong></td>
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</table>

**Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-op II</td>
<td>2</td>
</tr>
</tbody>
</table>
### Summer
- Capstone Design I: 3 credits
- Random Signals: 3 credits
- Microprocessor System Design: 3 credits
- ECE Stem Elective: 3 credits
- Area Distribution Requirement: 3 credits

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capstone Design I</td>
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</tr>
<tr>
<td>Random Signals</td>
<td>3</td>
</tr>
<tr>
<td>Microprocessor System Design</td>
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<tr>
<td>ECE Stem Elective</td>
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<tr>
<td>Area Distribution Requirement</td>
<td>3</td>
</tr>
</tbody>
</table>

### Senior Year (Credits: 15)

#### Fall
- Co-op III: 2 credits

### Spring
- Capstone Design II: 3 credits
- Embedded System Design: 3 credits
- Analysis of Algorithms: 3 credits
- ECE Stem Elective: 3 credits
- Area Distribution Requirements: 6 credits

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Capstone Design II</td>
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<tr>
<td>Embedded System Design</td>
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</tr>
<tr>
<td>Analysis of Algorithms</td>
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<td>ECE Stem Elective</td>
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<tr>
<td>Area Distribution Requirements</td>
<td>6</td>
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</tbody>
</table>

### Summer
- Engineering Electives: 9 credits
- Area Distribution Requirements: 6 credits

### Electrical Engineering

### Freshman Year (Credits: 17)

#### Fall
- Calculus I: 4 credits
- General Chemistry I: 4 credits
- Analytical Reading and Writing: 3 credits
- EPADS I: 2 credits
- Area Distribution Requirement: 3 credits
- Physical Education: 1 credit

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Calculus I</td>
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<tr>
<td>General Chemistry I</td>
<td>4</td>
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<tr>
<td>Analytical Reading and Writing</td>
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<td>EPADS I</td>
<td>2</td>
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<td>Area Distribution Requirement</td>
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<tr>
<td>Physical Education</td>
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</tbody>
</table>

### Spring
- Calculus II: 4 credits
- Engineering Physics (Mechanics): 5 credits
- Academic Writing: 3 credits
- Information Literacy: 2 credits
- EPADS II: 2 credits
- Fundamentals of Computer Science I: 2 credits

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Calculus II</td>
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</tr>
<tr>
<td>Engineering Physics (Mechanics)</td>
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<td>Academic Writing</td>
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<td>Information Literacy</td>
<td>2</td>
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<tr>
<td>EPADS II</td>
<td>2</td>
</tr>
<tr>
<td>Fundamentals of Computer Science I</td>
<td>2</td>
</tr>
</tbody>
</table>
## Sophomore Year

### Fall
- Engineering Physics (Electricity and Magnetism)  5
- Fundamentals of Computer Science II  4
- Design & Analysis of Digital Circuits  4
- Computations in Discrete Mathematics  1
- Engineering Career Seminar  1
- Area Distribution Requirement  3

### Credits
18

### Spring
- Mathematical Methods in Electrical Engineering  3
- Fundamentals of Computer Engineering  4
- Fundamentals of Electrical Engineering  4
- Waves and Optics  3
- Human Communication  3
- Physical Education  1

### Credits
18

### Summer
- Co-op I  2

### Junior Year

### Fall
- Design & Analysis of Analog Circuits  4
- Introduction to Signal Processing  4
- System Modeling and Analysis  3
- Differential Equations  4
- Area Distribution Requirement  3

### Credits
18

### Spring
- Co-op II  2

### Summer
- Capstone Design I  3
- Random Signals  3
- Electromagnetic Fields  3
- ECE Stem Electives  6

### Credits
15

### Senior Year

### Fall
- Co-op III  2


**Spring**
- Capstone Design II $\quad 3$
- ECE Stem Electives $\quad 6$
- Area Distribution Requirements $\quad 9$

\[ \text{Total: } 18 \]

**Summer**
- Engineering Electives $\quad 9$
- Area Distribution Requirements $\quad 6$

\[ \text{Total: } 15 \]

## Mechanical Engineering

### Freshman Year

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<tr>
<td>General Chemistry I</td>
<td>4</td>
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<tr>
<td>Analytical Reading and Writing</td>
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</tr>
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<td>EPADS I</td>
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<tr>
<td>Engineering Physics (Mechanics)</td>
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<td>Academic Writing</td>
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\[ \text{Total: } 18 \]

### Sophomore Year

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<td>Differential Equations</td>
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<tr>
<td>Statics</td>
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<td>Human Communication</td>
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<tr>
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<tr>
<td>Mathematical Methods for Engineers</td>
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<tr>
<td>Thermodynamics</td>
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<td>Strength of Materials</td>
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<td>Materials &amp; Solids Lab</td>
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<td>Fundamentals of Electrical Engineering</td>
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<td>Fall</td>
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<td>Dynamics and Vibration</td>
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<td>System Modeling and Analysis</td>
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<td>Heat Transfer</td>
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<td>Summer</td>
<td>Statistical Design and Process Control</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

**Engineering Cooperative Work Experience (Co-op)**

Engineering cooperative work experience is a requirement for all Engineering students at York College. Through this program, students have the opportunity to gain practical hands-on experience in industry and other engineering-related enterprises prior to
Programs of Study

graduation. After their first two years of study, students alternate academic semesters with paid professional engineering work experience in industry. Three semesters of co-op (six credits) are required for graduation. This requirement may be waived for students with a history of qualified engineering work.

The successful co-op experience is based upon the three-way interaction involving the co-op student, the employer-based engineering mentor, and the student’s faculty advisor. During the student’s cooperative work experience, this interaction is nurtured and documented through regular meetings with the engineering mentor, on-site visits by the faculty advisor, written assessments and evaluations by both mentor and advisor, and student co-op reports.

Students are free to choose any geographic location for co-op and are encouraged to seek co-op opportunities abroad with U.S.-based companies that carry out international engineering operations. Locally, a sizable group of industrial companies (see IAC on following page) advises and supports the development of the Engineering programs, and provides co-op employment opportunities for York College Engineering students. Students who co-op locally have the option to use York College housing during their co-op periods, during which time standard room charges apply.

Students must register for all three semesters of co-op. Co-op credit cannot be awarded to unregistered students. Co-op begins for all Engineering majors during the summer between their sophomore and junior years. To be eligible for co-op, a student must have a GPA of 2.0 or higher and have completed a minimum of 64 credit hours of coursework. All Engineering students must complete six credits of co-operative work experience.

In addition to helping the student prepare for more sophisticated academic work, co-op provides the student with:

1. the opportunity to explore career options in a real-world context;
2. a knowledge of the world of business and work;
3. a better understanding of, and appreciation for, the linkage between coursework and engineering practice, thus contributing positively to the student’s attitude toward academic work;
4. the opportunity to develop and enhance interpersonal skills;
5. a salary to help meet college expenses;
6. a better understanding of the engineering profession through early association with practicing engineers; and
7. an edge in the job market upon graduation.

Note: Co-op wage scales and benefits are set by individual employers in accordance with current market conditions.

Partnership With Industry

Industry Advisory Council (IAC): The Engineering programs at York College enjoy a close and active relationship with local industry. An IAC helps to support and implement the programs at York College. Part of the IAC charter is to provide
significant capital resources for engineering laboratory facilities and scholarships, as well as co-op opportunities for York’s Engineering students.

Members of the IAC include: Adhesives Research; American Hydro; BAE Systems; Black & Decker; Buchart Horn Inc/Basco Associates; Cooper Tools/Campbell Operations; Donsco, Inc.; The Engineering Society of York; FCI Electronics; Harley-Davidson, Inc.; Johnson Controls, Inc., KBA North America; Kinsley Construction Co.; LWB Refractories; Metso Minerals; New Standard Corporation; Pall Corporation; Topflight Corp; Tyco Electronics; Voith Siemens Hydro Power Generation, Inc.; Weldon Solutions, Inc; and The York Water Company.

**Industrial Curriculum Advisory Board (ICAB):** An outgrowth of the IAC has been the establishment of a small working group of engineers and engineering managers active in their fields that advise the program coordinators and help maintain a relevant focus for the Engineering programs at York College. This group is designated as ICAB and has, as its primary tasks, the responsibility to (i) provide input in carrying out the mission, goals, and objectives of the York College Engineering Program; (ii) provide input related to curriculum structure, course content, and classroom and laboratory needs for the purpose of maintaining program relevancy and focus; (iii) assist in determining appropriate outcomes (and their measures) required to achieve program objectives; (iv) help assess program outcomes from an industrial point of view and assist with the use of these assessments in the continuous improvement of the Program; (v) as needs arise, assume a proactive role in proposing new engineering programs—as well as alternatives to existing ones—for the purpose of both improving and expanding the base of engineering and engineering education in the York region.

**Engineering Facilities**

Engineering programs are facility intensive. Engineering students are continually involved in some aspect of hands-on laboratory and/or design project activity. Modern engineering laboratory equipment, computational facilities, and design-project work areas have been provided to meet individual course and laboratory needs. The goal is to provide our Engineering students with access to state-of-the-art equipment and machines. The laboratory areas include the following: Design Project, Computer/ CAD, Instrumentation, Embedded Systems, Signal Processing and Communication Systems, Power Systems, Automation & Robotics, Machine Tool and Materials Processing, Materials Science and Engineering, Solid Body Mechanics, and Thermodynamics/ Fluid Mechanics/Heat Transfer.

**Bachelor of Science Degree in Forensic Chemistry**

The Forensic Chemistry major is designed to prepare students as professionals through rigorous scientific and forensic experiences necessary for a forensic laboratory career or related fields and/or to pursue graduate studies in chemistry, forensic science, or law. Program graduates will additionally acquire expertise in scientifically analyzing forensic evidence and in explaining its technical significance in a mock court of law.
The Forensic Chemistry degree program follows the guidelines recommended by the Forensic Science Education Programs Accreditation Commission (FEPAC) and by the Technical Working Group for Education and Training in Forensic Sciences (TWGED).

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Forensic Chemistry must complete a minimum of 126 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

**The required courses for the Forensic Chemistry major are:**

Common Core Requirements (17 credit hours)

- WRT102 Analytical Reading and Writing (3)
- WRT202 Academic Writing (3)
- CM104 Human Communication (3)
- IFL101 Information Literacy (2)
- MAT171 Calculus I (4) (fulfills core mathematics requirement)
  - Physical Education (2)

Area Distribution Requirements (24 credit hours)

- Area I: Fine Arts and Humanities (6)
- Area II: Social and Behavioral Sciences (6)
- Area IV: American/Western Civilization and Government (6)
- Area V: International Studies/Foreign Language (6)

Free Electives (12 credits)

Major Requirements (73 credits, 2.0 required in each course)

- CHM130 First Year Chemistry Colloquium
- CHM134 General Chemistry I*
- CHM136 General Chemistry II* OR
- CHM146 Advanced Chemistry II
- CHM150 Introductory Seminar in Computers for Chemists
- CHM152 Introductory Seminar in Chemistry Issues, Ethics, and Experimental Design
- BIO150 Biology I
- PHY110 General Physics (Mechanics and Heat) OR
- PHY160 Engineering Physics (Mechanics)
- PHY112 General Physics (Electricity and Magnetism) OR
- PHY162 Engineering Physics (Heat, Thermodynamics, and Sound)
- CHM234 Organic Chemistry I

* Fulfill Area III Distribution Requirements.
CHM236  Organic Chemistry II  
MAT172  Calculus II  
MAT271  Calculus III  
MAT272  Differential Equations  
CHM336  Quantitative Analytical Chemistry  
CHM338  Instrumental Analytical Chemistry  
CHM344  Physical Chemistry I  
CHM444  Inorganic Chemistry  
FCM200  Criminalistics  
FCM362  Crime Scene Processing  
FCM410  Forensic Body Fluid Analysis  
FCM451  Forensic Laboratory Experience  
FCM480  Forensic Independent Study OR  
FCM490  Forensic Internship  

**Forensic Chemistry (suggested course sequence)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td><strong>Freshmen Year</strong></td>
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<tr>
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<td>General Chemistry I</td>
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<td>Advanced Chemistry II</td>
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<td>Biology I</td>
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<td>Calculus I and II</td>
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<td>Computers for Chemists</td>
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<tr>
<td></td>
<td>Analytical Reading &amp; Writing</td>
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<td>Human Communication</td>
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<td>Academic Writing</td>
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<td>Criminalistics</td>
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<td>Crime Scene Processing</td>
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<td>Chemistry Issues, Ethics</td>
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<td>Physical Chemistry I</td>
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<td>Quantitative Analytical Chemistry</td>
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<td>Instrumental Analytical Chemistry</td>
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<td>Forensic Body Fluid Analysis</td>
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</table>
Bachelor of Science Degree in Mathematics

The major in Mathematics is based on the program recommended by the Mathematical Association of America. It is designed to prepare students for either a career in mathematics or a mathematics-related field, or to continue their studies in graduate school. We encourage undergraduate research experiences and/or industry internships to help our students prepare for their postgraduate careers.

Requirements for Graduation:

To be eligible for graduation, students majoring in Mathematics must complete a minimum of 124 credits, achieve a cumulative grade point average of 2.0, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, students majoring in Mathematics must maintain a 2.0 average in all major requirements.

The required courses for the Mathematics Major are:

Common Core Requirements (17 credit hours)

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<th>Title</th>
<th>Credits</th>
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<td>WRT102</td>
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<td>WRT202</td>
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<td>CM104</td>
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<td>IFL101</td>
<td>Information Literacy</td>
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<tr>
<td>MAT171</td>
<td>Calculus I</td>
<td>4</td>
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<td>Physical Education</td>
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Area Distribution Requirements (24 credits)

| Area I     | Fine Arts and Humanities             | 6       |
| Area II    | Social and Behavioral Sciences       | 6       |
| Area IV    | American/Western Civilization and Government | 6       |
| Area V     | International Studies/Foreign Language | 6       |

Free Electives (19 credits)

Required Majors Courses (64 credits)

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<tbody>
<tr>
<td>CS200</td>
<td>Fundamentals of Programming and Algorithms I</td>
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</table>
MAT172, MAT271  Calculus II and III  
MAT230  Exploring Mathematics with the Computer  
MAT260  Elementary Linear Algebra  
MAT272  Differential Equations  
MAT280  Mathematical Structures  
MAT320  Number Theory  
MAT361  Abstract Algebra I  
MAT371, MAT372  Advanced Calculus I & II  
MAT480  Point-Set Topology  
MAT493  Senior Seminar in Mathematics  
MAT495  History of Math  
PHY160  Engineering Physics (Mechanics)  
PHY162  (Heat, Thermodynamics, and Sound), OR  
PHY260  (Electricity & Magnetism), OR  
PHY262  Engineering Physics (Optics and Modern Physics) fulfills Area III General Distribution requirements
Math Electives: 9 credits from MAT345, MAT350, MAT360, MAT362, MAT391, MAT440, MAT470, MAT473, MAT477, MAT490, MAT496.

A grade of 2.0 or better is required in all Mathematics courses.

Mathematics (suggested course sequence)

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Calculus I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>Area II Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Free Electives</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>32</strong></td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>Fundamentals of Programming and Algorithms</td>
<td>4</td>
</tr>
<tr>
<td>Mathematical Structures</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>
Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Calculus I &amp; II</td>
<td>6</td>
</tr>
<tr>
<td>Exploring Math with the Computer</td>
<td>3</td>
</tr>
<tr>
<td>Number Theory</td>
<td>3</td>
</tr>
<tr>
<td>Abstract Algebra I OR Point-Set Topology</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Electives</td>
<td>3</td>
</tr>
<tr>
<td>Engineering Physics</td>
<td>9</td>
</tr>
<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point-Set Topology OR Abstract Algebra</td>
<td>3</td>
</tr>
<tr>
<td>History of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Senior Seminar in Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Electives</td>
<td>6</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>10</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>28</strong></td>
</tr>
</tbody>
</table>

The student may choose to complete courses from one of the following career-oriented tracks:

**Actuarial Track**

- ACC220 Financial Accounting
- ECO200 and 201 Macro and Micro Economics (ADR II) (VEE Credit**)
- FIN300 or MBA572 Managerial Finance
- FIN330 or MBA567 Risk Management and Insurance or Compensation and Benefits Systems
- MAT350 Probability and Statistics

**Computational Track with Minor in Computer Science**

- CS201 Fundamentals of Programming and Algorithms II
- CS360 Analysis of Algorithms CS320, CS340, or CS370
- MAT391 Cryptology
- MAT470 Numerical Analysis

**Government Track**

12 credits of a Foreign Language of choice (six credits fulfill ADR V)

- INT144 or INT146 Intro to East Asia or Intro to Middle East
- MAT391 Cryptology
- MAT470 Numerical Analysis
- MAT490 Math Internship
- MAT496 Reading and Research
Pure Math/Graduate School Track

- MAT362  Abstract Algebra II
- MAT470  Numerical Analysis
- MAT473  Partial Differential Equations
- MAT477  Complex Analysis
- MAT496  Reading and Research

Bachelor of Science Degree in Secondary Education-General Science

This program is designed to prepare students for a career teaching science in the middle school. Teaching certification is offered through the Department of Education (see page 166 for a complete description of certification requirements).

Requirements for Graduation:

To be eligible for graduation, students majoring in Secondary Education-General Science must complete a minimum of 125 credits, achieve a cumulative grade point average of 3.0 or higher, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis, and credits earned in WRT100 may not be applied to degree requirements.

In addition, students majoring in Secondary Education-General Science must maintain a 3.0 grade point average in all major requirements. Students in Secondary Education should carefully review the information in the Department of Education section of this chapter for a complete description of certification and degree requirements.

Required Courses in Secondary Education-General Science

Common Core Requirements (16 credit hours)

- WRT102  Analytical Reading and Writing (3)
- WRT202  Academic Writing (3)
- CM104  Human Communication (3)
- IFL101  Information Literacy (2)
- MAT111  Critical Thinking and Problem Solving (3)

Physical Education (2)

Area Distribution Requirements (18 credit hours)

- Area I:  Fine Arts and Humanities (6)
- Area IV:  American/Western Civilization and Government (6)
- Area V:  International Studies/Foreign Language (6)

Free Electives (12-14 credits)

Discipline Certification Requirements (32-35 credits)

- CHM134/CHM135  General Chemistry I
- CHM136/CHM137  General Chemistry II
PHY110/PHY111 General Physics I AND
PHY112/PHY113 General Physics II OR
PHY160 Engineering Physics (Mechanics) AND
PHY162/PHY163 Engineering Physics (Heat, Thermodynamics, and Sound) II
ESS152/ESS153 Earth/Space Science
BIO150/BIO151 Biology I
G243 Introduction to Geography
IFS105 Personal Productivity Computing OR
IFS275 Information System Technology OR
MAT230 Exploring Mathematics with the Computer

One of the following:

MAT171 Calculus I
MAT172 Calculus II
MAT250 Elements of Statistics
MAT260 Elementary Linear Algebra
MAT271 Calculus III

Specialization Courses (six to 10 credits required from one of the following areas)²

**Biology**

BIO120/BIO121 Field Natural History
BIO124/BIO125 Introduction to Oceanography
BIO152/BIO153 Biology II
BIO210/BIO211 Marine Biology
BIO212/BIO213 Environmental Biology
BIO216 Microbes: Unseen Life on Earth
BIO220/BIO221 Human Anatomy and Physiology I
BIO222/BIO223 Human Anatomy and Physiology II
BIO232 Plant Taxonomy and Seasonal Flora
BIO240/BIO241 Genetics
BIO302/BIO303 Zoology
BIO304/BIO305 Botany
BIO308/BIO309 Animal Physiology
BIO330/BIO331 Biology of Microorganisms
BIO370/BIO371 Evolutionary Biology

**Chemistry**

CHM102/CHM103 Chemistry and Society
CHM234/CHM235 Organic Chemistry I
CHM236/CHM237 Organic Chemistry II
CHM336/CHM337 Quantitative Analytical Chemistry
CHM338/CHM339 Instrumental Analytical Chemistry
CHM344/CHM345 Physical Chemistry I
CHM346/CHM347 Physical Chemistry II
CHM350 Biochemistry
Physics

ME250  Statics
ME252  Dynamics
ME264  Strength of Materials
PHY160  Engineering Physics (Mechanics)
PHY162/PHY163  Engineering Physics
(Heat, Thermodynamics, and Sound)
PHY262  Engineering Physics IV

(MAT171 and MAT172 are required with the Physics option)

Professional Preparation Courses\(^3\) (39 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY100</td>
<td>General Psychology</td>
<td></td>
</tr>
<tr>
<td>SOC100</td>
<td>Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td>ED371</td>
<td>Psychology of Teaching/Sec. Ed.</td>
<td></td>
</tr>
<tr>
<td>ED200</td>
<td>Instructional Technology</td>
<td></td>
</tr>
<tr>
<td>ED221</td>
<td>Introduction to American Education</td>
<td></td>
</tr>
<tr>
<td>SE402</td>
<td>Community and Legal Issues in Education(^3)</td>
<td></td>
</tr>
<tr>
<td>SE350</td>
<td>Secondary School Experience</td>
<td></td>
</tr>
<tr>
<td>SE351</td>
<td>Teaching Strategies</td>
<td></td>
</tr>
<tr>
<td>SE354</td>
<td>Teaching General Science</td>
<td></td>
</tr>
<tr>
<td>SE360</td>
<td>Reading/Writing Across the Curriculum</td>
<td></td>
</tr>
</tbody>
</table>

Student Teaching Semester\(^2,4\)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE404</td>
<td>Student Teaching OR</td>
<td></td>
</tr>
<tr>
<td>SE405</td>
<td>Focused Studies OR</td>
<td></td>
</tr>
<tr>
<td>SE416</td>
<td>Directed Prof. Educ. Exper.(^5)</td>
<td></td>
</tr>
<tr>
<td>SE412</td>
<td>Practicum in Student Teaching</td>
<td></td>
</tr>
<tr>
<td>SE413</td>
<td>Selected Topics</td>
<td></td>
</tr>
</tbody>
</table>

\(^1\)Satisfies Area Distribution Requirements.
\(^2\)Grade earned must be a 2.0 or higher. This includes all courses in field of major study.
\(^3\)SE402 Community and Legal Issues in Education must be scheduled the term immediately prior to the Student Teaching Semester.
\(^4\)Students are required to have earned a cumulative grade point average of 3.0 before admittance into the Student Teaching Semester.
\(^5\)Taken as an option to SE404 by students seeking the degree without certification.

Secondary Education-General Science (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3-4</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Sociology OR General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>31-32</td>
</tr>
</tbody>
</table>
**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Sociology OR General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Sec. Ed.</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area of Specialization</td>
<td>6-8</td>
</tr>
<tr>
<td>Free Electives</td>
<td>12</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>33-35</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Elective</td>
<td>2</td>
</tr>
<tr>
<td>General Chemistry I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>Earth and Space Science</td>
<td>3</td>
</tr>
<tr>
<td>Biology I</td>
<td>4</td>
</tr>
<tr>
<td>Introduction to Geography</td>
<td>3</td>
</tr>
<tr>
<td>IFS105 or IFS275 or MAT230</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>Secondary School Experience</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>32</td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Reading and Writing Across the Curriculum SE360</td>
<td>1</td>
</tr>
<tr>
<td>Teaching Gen. Science</td>
<td>3</td>
</tr>
<tr>
<td>General Physics or Eng. Physics</td>
<td>8</td>
</tr>
<tr>
<td>Free Electives</td>
<td>2</td>
</tr>
<tr>
<td>Community and Legal Issues in Education*</td>
<td>3</td>
</tr>
<tr>
<td><strong>Student Teaching Semester (A 3.0 GPA or higher required)</strong></td>
<td>12</td>
</tr>
<tr>
<td>Student Teaching SE404 OR</td>
<td></td>
</tr>
<tr>
<td>Focused Studies SE405</td>
<td></td>
</tr>
<tr>
<td>Practicum in Student Teaching SE412</td>
<td></td>
</tr>
<tr>
<td>Selected Topics in Education SE413</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>29</td>
</tr>
</tbody>
</table>

*Community and Legal Issues in Education must be taken the semester prior to the Student Teaching Semester.

**Bachelor of Science Degree in Secondary Education-Mathematics**

This program is designed to prepare students for a career in teaching mathematics in a middle school, junior high, or high school. Teaching certification is offered through the Department of Education (see page 193 for a complete description of certification requirements).

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Secondary Education-Mathematics must complete a minimum of 128 credits, achieve a cumulative grade point average of 3.0 or higher, and complete the General Education Requirements of the College.
Courses used to complete General Education Requirements may not be taken on a pass/fail basis.

In addition, Secondary Education-Mathematics majors must maintain a 3.0 grade point average in all major requirements. Students in Secondary Education should carefully review the information in the Department of Education (see page 193 for a complete description of certification and degree requirements).

**Required Courses in Secondary Education-Mathematics:**

Common Core Requirements (17 credit hours)

- WRT102  Analytical Reading and Writing (3)
- WRT202  Academic Writing (3)
- CM104  Human Communication (3)
- IFL101  Information Literacy (2)
- MAT171  Calculus I (4)
  Physical Education (2)

Area Distribution Requirements (18 credit hours)

- Area I:  Fine Arts and Humanities (6)
- Area IV:  American/Western Civilization and Government (6)
- Area V:  International Studies/Foreign Language (6)

Free Electives (12 credits)

Discipline Certification Requirements (47-48 credits)

- MAT172  Analytical Geometry and Calculus II
- MAT260  Elementary Linear Algebra
- MAT271  Analytical Geometry and Calculus III
- MAT272  Differential Equations
- MAT280  Mathematical Structures
- MAT345  Modern Geometry
- MAT350  Probability and Statistics
- MAT355  Math Standards
- MAT495  History of Mathematics

Mathematics Electives (12 credits from one of the following: MAT210, MAT361, MAT362, MAT371, MAT372, MAT491, MAT493)

One of the following two-course science sequences: BIO150-152 OR CHM134-136 OR PHY160 AND either PHY162, PHY260, OR PHY262. (fulfills Area III General Distribution Requirement)

Professional Preparation Courses (40 credits)

- PSY100  General Psychology
- SOC100  Introduction to Sociology
- ED371  Psychology of Teaching/Sec. Ed.
- ED200  Instructional Technology
ED221  Introduction to American Education
SE402  Community and Legal Issues in Education
SE350  Secondary School Experience
SE351  Teaching Strategies
SE355  Teaching Mathematics
SE360  Teaching Reading and Writing

Student Teaching Semester

SE404  Student Teaching OR
SE405  Focused Studies OR
SE416  Directed Prof. Educ. Exper. OR
SE412  Practicum in Student Teaching
SE413  Selected Topics in Education

1Satisfies Area Distribution Requirements.
2Grade earned must be a 2.0 or higher. This includes all courses in field of major study.
3SE402 Community and Legal Issues in Education must be scheduled the term immediately prior to the Student Teaching Semester.
4Students are required to have earned a cumulative grade point average of 3.0 before admittance into the Student Teaching Semester.
5Taken as an option to SE404 by students seeking the degree without certification.
6Must be taken concurrently with SE355.

Secondary Education-Mathematics (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Calculus I and II</td>
<td>8</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>35</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Sec. Ed.</td>
<td>3</td>
</tr>
<tr>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>Math Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elementary Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>BIO150-152 OR CHM134-136 OR PHY160</td>
<td>8</td>
</tr>
<tr>
<td>AND either PHY162, PHY260, PHY262</td>
<td></td>
</tr>
</tbody>
</table>
Physical Education 1
Teaching Reading and Writing 1
Free Elective 3
33

_Junior Year_  
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Mathematical Structures</td>
<td>3</td>
</tr>
<tr>
<td>Modern Geometry</td>
<td>3</td>
</tr>
<tr>
<td>Secondary School Experience</td>
<td>3</td>
</tr>
<tr>
<td>Secondary Teaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>

_Senior Year_  
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Reading and Writing Across the Curriculum SE360</td>
<td>1</td>
</tr>
<tr>
<td>Community and Legal Issues in Education*</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Math Standards</td>
<td>1</td>
</tr>
<tr>
<td>History of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective</td>
<td>6</td>
</tr>
</tbody>
</table>

_Student Teaching Semester (A 3.0 GPA or higher required)_  
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Teaching SE404 OR Focused Studies SE405</td>
<td>12</td>
</tr>
<tr>
<td>Practicum in Student Teaching SE412</td>
<td></td>
</tr>
<tr>
<td>Selected Topics in Education SE413</td>
<td></td>
</tr>
</tbody>
</table>

| Total Credits                          | 27      |

*Community and Legal Issues in Education must be taken the semester prior to the Student Teaching Semester.

ASSOCIATE DEGREE PROGRAMS

Associate of Science Degree in Chemistry

_Requirements for Graduation:_

To be eligible for graduation, students must complete a minimum of 68 credits. Students must earn a grade of 2.0 (C) or higher in all courses required in the major. In addition, students must maintain a 2.0 or higher cumulative GPA, satisfy the residence requirements of the College, and complete General Education Requirements.

_The courses required for the AS Degree in Chemistry are:_

CHM134 General Chemistry I
CHM136 General Chemistry II
PHY110  General Physics (Mechanics and Heat) OR
PHY160  Engineering Physics (Mechanics)
PHY112  General Physics (Electricity and Magnetism) OR
PHY162  Engineering Physics (Heat, Thermodynamics, and Sound)
CHM234  Organic Chemistry I
CHM236  Organic Chemistry II
CHM336  Quantitative Analytical Chemistry OR
CHM338  Instrumental Analytical Chemistry
6-8 credits of Mathematics (MAT102 and MAT105 are not acceptable.)

Chemistry (suggested course sequence)

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>General Physics</td>
<td>8</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math OR Calculus I</td>
<td>3-4</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Free Electives</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>34-35</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>Analytical Chemistry (Instrumental OR Quantitative)</td>
<td>4</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
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<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>34</strong></td>
</tr>
</tbody>
</table>

Associate of Science Degree in Physics

Requirements for Graduation:

To be eligible for graduation, students majoring in Physics must complete a minimum of 68 credits, achieve a cumulative grade point average of 2.0, achieve a 2.0 or higher average in their science and math courses, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.
**Required courses are:**

- MAT171  Calculus I
- MAT172  Calculus II
- MAT271  Calculus III
- MAT272  Differential Equations OR
- MAT260  Linear Algebra
- PHY160  Engineering Physics (Mechanics)
- PHY162  Engineering Physics (Heat, Thermodynamics, Sound)
- PHY260  Engineering Physics (Electricity and Magnetism)
- PHY262  Engineering Physics (Optics and Modern Physics)
- ME250  Statics
- ME252  Dynamics

**Physics (suggested course sequence)**

**Freshmen Year**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Calculus I and II</td>
<td>8</td>
</tr>
<tr>
<td>Engineering Physics (Mechanics; Heat, Thermodynamics and Sound)</td>
<td>9</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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</tr>
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<td><strong>Total Credits</strong></td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>Linear Algebra OR Differential Equations</td>
<td>3-4</td>
</tr>
<tr>
<td>Engineering Physics (Electricity and Magnetism; Optics and Modern Physics)</td>
<td>8</td>
</tr>
<tr>
<td>Statics</td>
<td>3</td>
</tr>
<tr>
<td>Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>34-35</strong></td>
</tr>
</tbody>
</table>

**DEPARTMENTAL MINORS**

**Minor in Chemistry**

The minor in Chemistry provides a foundation in general chemical principles, organic
chemistry, and analytical chemistry. The Chemistry Minor complements many majors, enhancing career opportunities in education, business, and industry.

**Requirements of the Chemistry Minor:**

CHM134/136  General Chemistry I & II  
CHM234/236  Organic Chemistry I & II  

One course from:  
CHM336  Quantitative Analytical Chemistry OR  
CHM338  Instrumental Analytical Chemistry

**Minor in Computer Science**

The Computer Science Minor is designed to augment the skills of students majoring in chemistry, mathematics, as well as those students outside of the Physical Sciences Department with inclination and strength in this area. Students can greatly broaden their post-graduate horizons through this minor, by adding computing facility to the proficiencies gained through their major program.

**Requirements of the Computer Science Minor:**

CS101  Fundamentals of Computer Science I AND  
CS201  Fundamentals of Computer Science II  

OR  
IFS200  Introduction to Programming and Software Engineering I AND  
IFS201  Introduction to Programming and Software Engineering II  
MAT171  Calculus I OR  
MAT120  Applied Calculus  

One of the following courses:  
CS320  Software Engineering and Design  
CS340  Programming Language Design  
CS350  Data Structures  
CS360  Analysis of Algorithms  
CS420  Operating Systems  

One of the following courses (must be different than the course selected from the above category):  
CS320  Software Engineering and Design  
CS340  Programming Language Design  
CS350  Data Structures  
CS360  Analysis of Algorithms  
CS370  Computer Graphics Programming I  
CS420  Operating Systems  
CS495-497  Special Topics in Computer Science  
CS498  Independent Study
Minor in Mathematics

**Required courses for the Mathematics Minor:**

- MAT171/MAT172 Calculus I and II
- MAT272 Differential Equations
- MAT235 Discrete Mathematics OR
- MAT280 Mathematical Structures

One course selected from the following:

- MAT260 Elementary Linear Algebra
- MAT271 Calculus III
- MAT345 Modern Geometry
- MAT350 Probability and Statistics
- MAT361/MAT362 Abstract Algebra I OR II
- MAT371/MAT372 Advanced Calculus I OR II
- MAT470 Numerical Analysis

Minor in Physics

The minor in Physics gives students the opportunity to explore and understand the physical laws which play an important role in nature and everyday life. Thus, the students will be able to appreciate these laws and apply them to their advantage in day-to-day activities.

**Requirements for the Physics Minor:**

- PHY160 Engineering Physics (Mechanics)
- PHY162 Engineering Physics (Heat, Thermodynamics and Sound)
- PHY260 Engineering Physics (Electricity and Magnetism)
- PHY262 Engineering Physics (Optics and Modern Physics)
- ME250 Statics OR
- ME252 Dynamics and Vibration
INTERDISCIPLINARY PROGRAMS

BACCALAUREATE DEGREE WITH A SELF-DESIGNED MAJOR

The Self-Designed Major allows York College students to construct an individualized program of study using existing courses offered by one or more academic departments. A student interested in pursuing such an option must have a 3.0 or higher grade point average, and two faculty members representing the disciplines included in the proposed major must agree to serve as self-designed major advisors. Finally, students must prepare a proposal for their plan of study that defines the title of their intended major, lists the courses which he or she plans to include in their program, and provides a rationale for the development of their self-designed major.

Since the early planning stages of the Self-Designed Major are especially important for both the student and advisor, students should be encouraged to construct a plan as early in their academic careers as possible. The proposal for the Self-Designed Major must be approved by both advisors. Then, at any time prior to the completion of 59 credits, the student must submit the proposal to the Academic Programs Committee for review and action. Changes in approved Self-Designed Major programs must be endorsed by both advisors and approved by the Academic Programs Committee. Under normal circumstances, courses used to construct a self-designed major may not be simultaneously used to complete other college majors or minors.

Requirements for Graduation:

To be eligible for graduation, students must complete a minimum of 124 credits, complete the General Education Requirements of the College, satisfy the College’s residency requirement, and earn a cumulative grade point average of 2.0 or higher.

Required Courses for the Self-Designed Major:

The required courses for each student’s self-designed major must be approved by the Academic Programs Committee following endorsement by the student’s advisors. A minimum of 39 credits within the major selected from at least two academic disciplines must be included. This coursework must include a minimum of 18 credits at the 300 level or above, and at least 15 credits of coursework must be completed in each discipline represented in the major. No more than six credits of independent study or internship may be completed as part of the requirements for the major.

ASSOCIATE OF SCIENCE DEGREE IN GENERAL STUDIES

Requirements for Graduation:

To be eligible for graduation, students pursuing an associate of science degree in General Studies must complete a minimum of 62 credits, achieve a cumulative grade point average of 2.0 or higher, satisfy the College’s residency requirements, and complete the General Education Requirements of the College. Courses used to complete General Education Requirements may not be taken on a pass/fail basis.
**General Studies (suggested course sequence)**

<table>
<thead>
<tr>
<th>Freshmen Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Critical Thinking and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td>3</td>
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<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
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<td>Area V Distribution Requirement</td>
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</tr>
<tr>
<td></td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
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</thead>
<tbody>
<tr>
<td>Physical Education</td>
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</tr>
<tr>
<td>Elective Courses</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>32</td>
</tr>
</tbody>
</table>

**WOMEN’S AND GENDER STUDIES MINOR**

The Women’s and Gender Studies Minor introduces students to the concept of gender as an organizing principle of cultural experience. Through interdisciplinary study, students will understand gender as a key factor that drives both continuity and change in our culture. Courses in this minor explore the implications of gender and gender roles in both Western and non-Western societies.

Study of the ways in which gender shapes human consciousness and determines the social, political, and cultural organization of society will stimulate both students’ intellectual growth and their personal awareness of how gender affects their world.

For career-oriented students, this minor will enhance their sensitivity to those issues of gender (such as sex discrimination, sexual harassment, equal pay for comparable worth, family leave) that have become increasingly prevalent in today’s work world.

The Women’s and Gender Studies Minor is housed in the English and Humanities Department at York College.

**Requirements for the Women’s and Gender Studies Minor:**

For this minor, students are required to take the foundation course, Introduction to Women’s and Gender Studies, and five additional electives. Internship or independent study is strongly recommended, to be carried out according to College guidelines. Special topics courses offered by departments also often qualify for Women’s and Gender Studies credit.
Courses for qualifying for Women’s and Gender Studies Minor credit:

- WGS200 Introduction to Women’s and Gender Studies
- WGS210 Women’s Health
- SOC225/WGS225 The Family
- PHL238/WGS238 Race, Gender, and Sexuality
- CJA303/WGS303 Gender and Crime
- H340/WGS340 Women and War
- H342/WGS342 Women in the United States: A History
- LIT344/WGS344 Love and Sex in Literature
- SOC360/WGS360 Gender and Society
- PHL380/WGS380 Feminist Thought
- REL381/WGS381 Women and Religion
- LIT382/WGS382 Women in Literature
- WGS450/WGS451 Women’s and Gender Studies Internship
- WGS498/WGS499 Independent Study
ACCOUNTING (ACC)  320
ANTHROPOLOGY (ANT)  322
ART (ART)  323
BEHAVIORAL SCIENCES (BEH)  333
BIOLOGICAL SCIENCE (BIO)  334
BUSINESS ADMINISTRATION COURSES (BUS)  340
CHEMISTRY (CHM)  341
CLINICAL LABORATORY SCIENCE (CLS)  344
COMMUNICATION (CM)  345
COMPUTER SCIENCE (CS)  350
CRIMINAL JUSTICE (CJA)  353
EARTH/SPACE SCIENCE (ESS)  356
ECONOMICS (ECO)  357
EDUCATION (ELEMENTARY, SECONDARY, SPECIAL) (ED, EE, SE, SPE)  358
ENGINEERING (ELECTRICAL AND COMPUTER, MECHANICAL) (EGR, ECE, ME)  367
ENTREPRENEURSHIP (ENT, IBS)  376
FILM (FLM)  379
FINANCE (FIN, IBS)  380
FORENSIC CHEMISTRY (FCM)  381
GEOGRAPHY (G)  382
GERONTOLOGY (GER)  383
HEALTHCARE CODING (HCC)  385
HISTORY (H)  386
HUMANITIES (HUM)  393
INFORMATION LITERACY (IFL)  394
INFORMATION SYSTEMS (IFS)  394
INTERNATIONAL BUSINESS (IBS)  398

INTERNATIONAL STUDIES (INT)  398
LANGUAGES (ARB, INT, FRN, GRM, ITL, LAT, POR, RUS, SPÑ)  399
LITERATURE (LIT)  406
LONG-TERM CARE ADMINISTRATION (LTC)  410
MANAGEMENT (MGT)  411
MARKETING (MKT, IBS)  413
MATHEMATICS (MAT)  416
MUSIC (MUS)  421
NUCLEAR MEDICINE TECHNOLOGY (NM)  429
NURSING (NUR)  430
ORGANIZATIONAL BEHAVIOR AND DEVELOPMENT (OBD)  433
PHILOSOPHY (PHL)  434
PHYSICAL EDUCATION (PE)  437
PHYSICAL SCIENCE (PSC)  441
PHYSICS (PHY)  442
POLITICAL SCIENCE (PS)  443
PREMEDICAL STUDIES (PMD)  447
PSYCHOLOGY (PSY)  448
QUANTITATIVE BUSINESS (QBA)  452
RECREATION AND LEISURE ADMINISTRATION (REC)  453
RELIGIOUS STUDIES (REL)  456
RESPIRATORY CARE (RT)  457
SOCIOLOGY (SOC)  459
SPORT MANAGEMENT (SPM)  462
THEATRE (THE)  465
WOMEN’S AND GENDER STUDIES (WGS)  468
WRITING (WRT)  470
ACCOUNTING

ACC220  Financial Accounting  
*Fall-Spring Semesters*  
An introduction to the basic concepts, principles, and practices of accounting. Subjects covered include preparing, analyzing, and using financial statements, accounting for partnerships and corporations, accounting for long-term assets and long-term debt.  
*3 credit hours.*

ACC225  Managerial Accounting  
*Fall-Spring Semesters*  
Basic managerial accounting principles and concepts are studied. Subjects covered include accounting techniques such as planning, control and motivating tools; using accounting data for decision making and performance evaluation. Prerequisite: Completion of ACC220 with a grade of 2.0 or higher.  
*3 credit hours.*

ACC305  Taxation I  
*Fall-Spring Semesters*  
An introduction to federal income taxation of individuals. Topics include inclusions and exclusions from gross income, capital gains and losses, business deductions, itemized deduction, depreciation and cost recovery, and nontaxable property transactions. Both tax planning and tax preparation are stressed. Prerequisite: Completion of ACC220 with a grade of 2.0 or higher.  
*3 credit hours.*

ACC315  Introduction to Financial Fraud  
*Fall Semester*  
This course introduces the student to the various types of fraud encountered in business and the means to prevent, detect, and investigate fraud. Students will learn the many ways in which fraud is manifested on financial statements and in business transactions, including consumer fraud and fraud against organizations. Prerequisites: Completion of ACC220 and ACC225 with a grade of 2.0 or higher.  
*3 credit hours.*

ACC320  Intermediate Accounting I  
*Fall-Spring Semesters*  
Study of the development of accounting principles and professional practice, statement of income and retained earnings, balance sheet, applications of present and future values, cash and short-term investments, receivables, inventories, current liabilities, and contingencies. Prerequisites: Completion of ACC220 with a grade of 2.0 or higher.  
*3 credit hours.*

ACC325  Intermediate Accounting II  
*Fall-Spring Semesters*  
Topics included: Acquisition and disposal of plant assets, depreciation and depletion, intangible assets, long-term investments, long-term debt, stockholders equity, stock rights, warrants, options, convertible securities, treasury stock, earnings per share. Prerequisite: Completion of ACC320 with a grade of 2.0 or higher.  
*3 credit hours.*

ACC330  Intermediate Accounting III  
*Fall-Spring Semesters*  
Topics included: pension plans, leases, income taxes, accounting changes, statement of changes in financial position, analysis of financial statements, accounting for inflation, full disclosure in financial reporting, review of the latest FASB Statements and Interpretations. Prerequisite: Completion of ACC325 with a grade of 2.0 or higher.  
*3 credit hours.*

ACC375  Advanced Managerial Accounting  
A further study of managerial accounting and its use as a tool of management. The course stresses the analysis and presentation of accounting data for use by management in decision making and planning. Subject area includes cost allocation, inventory plan-
ning and control, joint-product costing, by-product costs, cost behavior patterns, and sales and production mix. Prerequisite: Completion of ACC225 with a grade of 2.0 or higher.

3 credit hours.

ACC395 Taxation II
A study of the Internal Revenue Code, IRS regulations, and U.S. court decisions as they relate to corporations, partnerships, trusts, gifts, and estates. Tax planning and the effect of the tax law on business decisions is emphasized. Research will be required to demonstrate student's ability to research current tax issues and present same in a written report. Prerequisite: Completion of ACC305 with a grade of 2.0 or higher.

3 credit hours.

ACC410 Auditing
Spring Semester
A study of audit principles and current procedures, including special techniques in the prevention and detection of fraud, preparation of audit reports and working papers, and internal audit methods. This is a writing/communication-intensive course. Prerequisite: Completion of ACC325 with a grade of 2.0 or higher.

3 credit hours.

IBS415 International Accounting (formerly ACC415)
Study of the diversity that exists in accounting reporting and disclosure practices in different countries, the reasons for accounting diversity, and the problems/challenges created by accounting diversity for multinational enterprises, international investors, and regulators. Special emphasis is given to the comparison between U.S. standards (U.S. GAAP) and other countries’ standards in measurement, reporting, and disclosing economic events. Prerequisite: Completion of ACC325 with a grade of 2.0 or higher.

3 credit hours.

ACC420 Advanced Accounting
Spring Semester
A continuing in-depth study of accounting principles and current concepts in which theory and practice are reconciled. Subjects include business combinations and consolidations. Prerequisite: Completion of ACC325 with a grade of 2.0 or higher.

3 credit hours.

ACC425 Special Topics in Accounting
A continuing in-depth study of accounting principles and current concepts. Subjects included are special problems, governmental units, non-profit organizations, multinational enterprises, and fiduciaries. Prerequisite: Completion of ACC325 with a grade of 2.0 or higher.

3 credit hours.

ACC490, ACC491 Accounting Internship
Fall-Spring Semesters
Planned and supervised work experience at selected cooperating firms. Internships require students to meet periodically with a faculty supervisor, provide a written deliverable, and participate in an end-of-internship evaluation. Prerequisite: Junior standing and departmental approval of each student participant’s individual program. The program requires approximately 10 hours per week for 12 weeks. Grading will be pass/fail.

3 credit hours each semester.

ACC492, ACC493 Accounting Internship
Fall-Spring Semesters
Planned and supervised work experience at selected cooperating firms. Internships require students to meet periodically with a faculty supervisor, provide a written deliverable, and participate in an end-of-internship evaluation. Prerequisite: Junior standing and departmental approval of each student participant’s individual program. The program requires approximately 10 hours per week for 12 weeks. Students admitted to the Dual Degree Program must also schedule MBA506 with ACC492 and MBA507 with ACC493 to fulfill the work experience requirement. Grading will be pass/fail.

3 credit hours each semester.
ANTHROPOLOGY

ANT210  Introduction to Physical Anthropology
Fall Semester
This course surveys the principles and findings of the field of human paleontology, physical anthropology, and archaeological methods. It includes the study of evolution, fossil forms, and primates.
3 credit hours.

ANT220  Cultural Anthropology
Fall-Spring Semester
This course focuses on culture and human behaviors in the context of culture. It examines major cultural systems, including language, religious, economic, political, and kinship systems. Emphasis is placed on the student's ability to understand and apply basic anthropological concepts and theories.
3 credit hours. Satisfies ADR II.

ANT230  Archaeology
Fall Semester
In this course, students will use a variety of approaches to learn about archaeology. The course provides information about theories, methods, and practice of this field of study. Through lecture, computer simulation, and visits to archaeology sites/museums, students will be able to explore some of the major areas of archaeological research.
3 credit hours.

ANT300  Food and Culture
Spring Semester
This advanced anthropology course is a two-part study of food and culture. Part one concentrates on an anthropological investigation of food and its relationship to culture. The theoretical approach used in this section is based on systems analysis, looking at each major cultural system, and how food relates to them. Part two will be student-led review of four to five cultural cuisines. The goals for this part of the course will be for students to investigate different cultures and their foods while applying the theoretical perspectives and analysis techniques previously learned. Prerequisite: ANT220 or permission of instructor.
3 credit hours. Satisfies ADR II.

ANT310  Advanced Physical Anthropology: Human Paleontology
Spring Semester
A study of procedures and techniques used by physical anthropologists and archaeologists in excavating, analyzing, and interpreting human skeletal remains. Emphasis will be placed on student work with human skeletal remains in a laboratory setting. Prerequisite: ANT210.
3 credit hours.

ANT325  Culture and Personality
Fall semester, odd-numbered years
Culture and Personality studies how culture affects the individual’s personality. Theoretically oriented, this course reviews cross-cultural practices of child rearing, roles, deviance, and mental health issues. Prerequisite: ANT220 or SOC100 or PSY100.
3 credit hours.

ANT330  Anthropology of Religion
Fall Semester
Cultural anthropology is one of the four major sub-disciplines that examine the non-biological behaviors that allow humans to adapt to their living conditions. Religion is among those cultural universals that permeates all aspects of humanity and is an extremely powerful force directing human behavior. Allowing for considerable variability within the confines of “religion,” this course is an intellectual adventure into exploring the relationship between being human and participation in religious experience. Students are required to become active participants in the learning process and as a scholar, are obliged to share and communicate their ideas to classmates and colleagues. Prerequisite: ANT220 or permission of instructor.
3 credit hours. Satisfies ADR II.

ANT350  Anthropology of Aging
Fall semester, odd-numbered years
This course provides a cross-cultural perspective on aging experiences. It explores attitudes toward and treatment of older people in many different culture. Patterns of cultural behaviors are studied which may increase life satisfaction for the elderly.
3 credit hours.
ANT390, ANT391  Selected Topics in Cultural Anthropology
The central emphasis in this course will be on the topics of environment, material culture, world view, and religion. In addition to these regularly presented topics, cultural anthropology subjects of interest to both the professor and students will be discussed in seminar presentations. Prerequisite: ANT210 or ANT220 or permission of instructor.

3 credit hours.

ANT392  Anthropology and Medicine
Spring Semester
This course will explore the nature of medical anthropology, its historical background and current theoretical perspectives. The course is designed to develop an awareness of the biological, cultural, linguistic, and historical variability within humankind related to health and disease. Topics include ethnomedicine, epidemiology, nutrition, growth and development, health care providers, health policies, and the language and speech of illness and wellness. Prerequisites: ANT210 or ANT220.

3 credit hours.

ANT498, ANT499  Independent Study
The Independent Study Program affords an opportunity for the student who wishes to undertake a well-defined research project. While the student conducts his work under the guidance of a faculty member of his own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process. Prerequisite: ANT210 or ANT220.

1-3 credit hours each semester.

ART

ART101  Introduction to Art Appreciation
Fall-Spring-Summer Semesters
Designed for non-Art majors, this course is an introduction to the visual arts and explores the nature of art and the mechanisms of creativity, the materials and methods of making art, the purpose of art in various cultures both ancient and contemporary, and the significance of visual literacy in today’s world.

3 credit hours. Satisfies ADR I.

ART110  Concepts of Design
Fall-Spring Semesters
This course introduces the non-Art major to the basic concepts of design, and includes an overview of studio practices and methods. Topics include the elements and principles of design, basics of typography, as well as exploring techniques for sketching and visualizing concepts. The course also presents basic strategies for effective visual communication across varied media. Classes consist of lectures, demonstrations, studio work, and individual and group critiques.

3 credit hours.

5 lecture and studio periods.

ART112  Concepts of Figure Drawing
Fall-Spring Semesters
This course introduces the non-Art major to life drawing, focusing on the human figure and the development of the students’ technical and observational skills. Students are taught the fundamentals of human structural form and anatomy, basic design and composition principles, and the use of various tools, materials, and methods used to draw the human figure. The significance of figural representation as cultural expression is also discussed. Classes consist of lectures, demonstrations, studio work, and individual and group critiques.

3 credit hours. Satisfies ADR I.

5 lecture and studio periods.

ART114  Concepts of Painting
Fall-Spring Semesters
This course introduces the non-Art major to the basic concepts of painting and includes an overview of studio practices and methods. Topics include an introduction to the methods, materials, and techniques for painting. This course requires that students consider their own artistic techniques within the historical context of painting. Classes consist of lectures, demonstrations, studio work, and individual and group critiques.

3 credit hours. Satisfies ADR I.

5 lecture and studio periods.
ART116  Concepts of Sculpture  
*Fall-Spring Semesters*
This course offers an introductory studio experience in sculpture for non-Art majors, providing the student with a basic understanding of the methods, materials, and techniques for working in three-dimensional media. The student will also consider his or her own artistic styles and historical movements. Classes consist of lectures, demonstrations, studio work, and individual and group critiques.

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART134  Concepts of Computer Graphics  
*Fall-Spring-Summer Semesters*
Concepts of Computer Graphics is an introductory-level course that familiarizes the non-Fine Arts or non-Graphic Design major with techniques, software, and equipment used to create, process, and display computer-generated graphics and images. The course also presents basic strategies for effective visual communication using digital methods.

3 credit hours.
5 lecture and studio periods.

ART137  Computer Graphics I  
*Fall-Spring Semesters*
This course is an introduction to file management and organization as well as the fundamentals of image editing, vector-based drawing, and page layout. Through hands-on work, students learn the anatomy of the vector-based and the bitmapped image, the PostScript page description language, and understanding of hardware configuration. Knowledge of the mechanics of the digital image will provide the foundation for all further study in digital design. Interrelation and appropriate use of applications is emphasized. Theories of digital process and case histories of various uses of digital media are included. Graphic Design majors only.

3 credit hours.
5 lecture and studio periods.

ART200  Introduction to Graphic Design  
*Fall Semester*
This course provides a foundation in the terminology, concepts, elements, and practice of Graphic Design. Students will learn basic formal, typographic and technical terminology, as well as gain awareness of Graphic Design’s role in culture and history. Through hands-on studio projects, personal process and conceptual thinking will be emphasized.

3 credit hours.
5 lecture and studio periods.

ART204  Survey of Western Art I  
*Fall-Spring Semesters*
This course provides a survey of major developments in the world’s art from prehistoric past to 1400. Emphasis is placed on studying the relationships between social, political, and cultural forces and the creation of art. Topics discussed include the origins of art, Egyptian art, the classical past, and Medieval art up to the early Renaissance period.

3 credit hours. Satisfies ADR I.

ART205  Survey of Western Art II  
*Fall-Spring Semesters*
This course provides a survey of the major developments in the world’s art from around 1400 to the present. Emphasis is placed on studying the relationships between social, political, economic, and cultural forces and the creation of art. Topics discussed include the Renaissance and Baroque periods, the emergence of modern art, design, photography, women artists, and contemporary trends in the visual arts.

3 credit hours. Satisfies ADR I.

ART210  Design I  
*Fall-Spring Semesters*
This course is an introduction to the techniques, materials, and principles of two-dimensional visual organization. Through a series of projects involving the visual elements of line, shape, value, and texture, students investigate the concepts of two-dimensional design and develop creative and problem-solving skills. Prerequisite: Art majors only.

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART211  Design II  
*Spring Semester*
Using design materials and techniques, students investigate the concepts and principles of three-dimensional organization, color theory, and the building of form in real space. Students develop an understanding of the language of and ideas inherent in visual organization. Discussion, reviews,
and written critiques are a part of this course. Pre-

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART215 Drawing I
*Fall-Spring Semesters*
By engaging the student in observational studies, Drawing I focuses on the study of structure, composition, perspective, and toning and shading using various drawing media. Developing basic technical knowledge of the media, tools, and concepts of drawing is the emphasis of this course. Demonstration, museum and gallery visits, and slide lectures are a part of this course.

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART 216 Figure Drawing I
*Fall-Spring Semesters*
This beginner’s-level course is an introduction to developing observational skills necessary for rendering the human form. By drawing from the nude model, the human structural form, its individual features relating to the whole, the relationship of the figure to its surrounding environment, and the human form as concept is addressed and explored. Discussion of figurative works from the Renaissance through Postmodern Art is presented through slide lecture and museum study. Prerequisite: Art majors only.

3 credit hours.
5 lecture and studio periods.

ART218 Typography I
*Spring Semester*
This course teaches the terms and concepts needed to use type intelligently and effectively. Typographic anatomy, classification and measurement, as well as historical and technical aspects of letterforms will be covered. Students will learn the rules of typographic usage, based on visual perception and will develop awareness of the history of typography and its effect on contemporary communication. Prerequisites: ART200, ART215.

3 credit hours.
5 lecture and studio periods.

ART219 Typography II
*Spring Semester*
Building upon the basics learned in Typography I, this studio course challenges students to examine more complex typographic issues and develop expressive ways to solve communication problems. Discussion of assigned readings about contemporary typographic issues will help the student to understand type’s role in design. With an emphasis on composition, typographic hierarchy and syntax, and organization of information, the student will further develop the sensitivity needed to communicate effectively with type. Prerequisite: ART218.

3 credit hours.
5 lecture and studio periods.

ART220 Painting I
*Fall-Spring Semesters*
An introduction to the technical and aesthetic aspects of painting, this course explores the mediums of oil and acrylic and the expressive qualities of paint. Emphasis is placed on the development of fundamental skills including the study of light, value, and composition, methods of paint application and color mixing, and preparation of the painting surface. Museum, gallery, and artist studio visits are scheduled, as well as slide lectures. Prerequisite: Art majors only.

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART223 Illustration I
*Fall Semester*
This course is an introduction to the materials, specialties, history, and methods of Illustration. Media including gouache, pencil, watercolor, pen and ink, and marker are examined through hands-on projects and demonstrations. A survey of illustration history is included, which familiarizes students with notable names and styles in illustration. The course emphasizes the importance of critical thinking, concept development, and creative problem-solving. Prerequisites: ART215, ART216, ART220.

3 credit hours.
5 lecture and studio periods.

ART225 Ceramics I
*Fall-Spring-Summer Semesters*
This is a beginner’s-level studio course that introduces the student to the techniques of ceramics. The student explores basic hand-building techniques and
An understanding of glazing and firing. Class includes an introduction to the potter’s wheel.

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART230 Sculpture I
Fall-Spring Semesters
Students are introduced to the various processes, tools, and materials used in sculpture such as clay, plaster, and assemblage and explore the relationship of ideas to materials and techniques in a three-dimensional format. Prerequisite: Art majors only.

3 credit hours.
5 lecture and studio periods.

ART244 Digital Art
Spring Semester
The computer is a widely accepted tool for artistic expression, and most museums and galleries devote space exclusively to the exhibition of digital art. This course is aimed at the artist interested in exploring digitally generated art in the form of digital painting and drawing, photographic manipulation and collage, and mixed media applications. Prerequisites: ART134 and ART210, or ART135 and ART137.

3 credit hours.
5 lecture and studio periods.

ART245 Photography I
Fall-Spring-Summer Semesters
This course provides an introduction to the art, aesthetics, theory, and practice of black and white photography. Emphasis will be on the technical skills and aesthetic decisions practiced in the darkroom to produce exhibition quality prints. The student will be expected to supply his/her own camera (35 mm SLR with manual control), paper, and film.

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART246 Digital Photography
Fall-Spring-Summer Semesters
This course introduces the student to a variety of paths for creating a digitized image, managing and archiving graphic files, and learning the terminology relating to the digital photograph. Through assigned projects, the student will also learn the role of the digitized image in the visual arts, commercial printing, and publishing.

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART265 Drawing II
Fall-Spring Semesters
The student continues to develop skills introduced in Drawing I and begins to explore specific media as a means of communicating a concept. Experimentation with mixed media and collage expands the language capability of the student artist. Demonstration, museum and gallery visits, and slide lectures supplement individual and group critiques. Prerequisite: ART215.

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART266 Figure Drawing II
Fall-Spring Semesters
An ongoing study in the representation of the human form as addressed in Figure Drawing I. The further refinement of skills and development toward a more individual direction in the genre of figure drawing is the focus of this course. The choice of appropriate media, working in larger-scaled formats, solving technical and aesthetic problems, and generating a cohesive body of work are also considered in this course. Prerequisite: ART216.

3 credit hours. Satisfies ADR I.
5 lecture and studio period

ART270 Painting II
Fall-Spring Semesters
This course builds upon the technical and conceptual skills learned in Painting I, and the student begins to develop an individual direction in painting. The student is introduced to the portrait and figure as well as other subjects both representational and non-representational, and the formal study of color is continued. Slide presentations, painting demonstrations, individual and group critiques help guide the student. Museum, gallery, and artist studio visits enhance the course. Prerequisite: ART220.

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART273 Illustration II
Spring Semester
This course builds on the principles and skills learned in Illustration I, with an emphasis on the development of a personal style and process. The role
of typography, layout, and production in illustration is explored, as an important part of creative problem-solving. Professional practices associated with illustration, including estimating cost, proposal writing, presentation, and legal issues are covered. Prerequisite: ART223.

3 credit hours.
5 lecture and studio periods.

ART275 Ceramics II
Fall-Spring Semesters
This is an intermediate-level studio course that explores in-depth the various techniques of ceramics. The student further develops hand-building and wheel-throwing skills. The class explores surface and textural applications as well as glazing and color techniques. Assigned and individual projects, demonstrations, slide and video presentations, as well as critiques are a part of this course. Prerequisite: ART225.

3 credit hours.
5 lecture and studio periods.

ART280 Sculpture II
Fall-Spring Semesters
The student continues to develop skills introduced in Sculpture I and begins to explore sculptural techniques and materials as a means of communicating a concept. Large-scale sculpture, installations, and environmental sculpture are also explored. Assigned and individual projects are a part of this course. Prerequisite: ART230.

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART284 Jewelry and Small Sculpture I
Fall Semester
This course offers an introduction to the design and execution of jewelry and small sculpture. Students will be introduced to techniques in precious metal construction, enameling, and lapidary arts. Styles and techniques for coursework will be derived from a wide variety of world cultures and historic periods. Small sculpture will be explored through the lost wax method and executed in brass, bronze, and other semi-precious metals. Classes consist of lectures, demonstrations, studio work, and individual and group critiques.

3 credit hours.
5 lecture and studio periods.

ART287 Printmaking I
Fall-Spring Semesters
This course is an introductory investigation of traditional and non-traditional relief and planographic methods of multiple imagery. The student will explore the techniques of linocut, woodcut, monoprinting, and collography, as well as paper lithography and other experimental methods. This course not only provides a technical foundation in printmaking media but encourages innovative use of printmaking processes.

3 credit hours.
5 lecture and studio periods.

ART290 Computer Graphics II
Fall-Spring Semesters
Building on the basics learned in Computer Graphics I, this course exposes the student to more advanced techniques and concepts of vector-based drawing, image editing, and page layout. Investigation into color spaces, layering, picture file formats, and interaction of softwares takes place. The course includes an introduction to principles of non-print screen-based design as applied to CD-ROMs, web pages, and slide presentations. Prerequisite: ART137.

3 credit hours.
5 lecture and studio periods.

ART291 Printmaking II
Fall-Spring Semester
This course builds upon the technical and conceptual skills learned in Printmaking I. New methods of creating multiples will be added to build an advanced understanding of techniques previously studied. The student will begin to develop an individual direction in printmaking. Emphasis will be placed on personal expression, an investigation into layering colors, edition printing, paper selection, non-toxic studio methods, and combinations of relief and planographic printmaking processes. Prerequisite: ART287.

3 credit hours.
5 lecture and studio periods.

ART294 Jewelry and Small Sculpture II
Fall Semester
This course builds upon the technical and conceptual skills learned in Jewelry and Small Sculpture I. New methods in precious metal construction, enameling, and the lapidary arts will be added to an advanced understanding of techniques previously studied.
Emphasis will be placed on personal expression and creating a body of work. Classes consist of lectures, demonstrations, studio work, and individual and group critiques. Prerequisite: ART284.

3 credit hours.
5 lecture and studio periods.

ART295 Photography II  
*Fall-Spring-Summer Semesters*

This course provides an introduction to the art, aesthetic, theory, and practice of color photography. The student will learn how to print from both negatives and slides. Emphasis will be placed upon the procedure for achieving acceptable color balance and maximum print quality. The student will be expected to supply his/her own camera (35 mm SLR with manual control), paper, and film. Prerequisite: ART245 or demonstrated skill.

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART296 Publication Design  
*Fall Semester*

Students in this course will learn how to design commercial, industrial, and personal publications. The history of publishing technology, as well as the terminology of publication design and production will be covered. In this studio course, emphasis will be on effective interpretation of content, viewer engagement and legibility, project planning and organization, and typographic excellence. Prerequisites: ART218, ART290.

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART298/299 Sophomore Portfolio Review  
*Spring Semester*

The Sophomore Portfolio Review is held after successful completion of most foundation courses and is required of both Fine Arts majors and Graphic Design majors. The purpose of the review is to provide an opportunity for self-evaluation and professional evaluation, and assist and guide the student in identifying academic and career interests. Fine Art majors register for ART298 and Graphic Design majors register for ART299. A grade of “pass” in this course is required to continue as a Fine Art or Graphic Design major. A grade of “fail” will result in the student’s major being changed to Provisional Fine Art or Provisional Graphic Design, as applies. Provisional students must resubmit a portfolio to be readmitted to either major.

1 credit hour.

ART315 Drawing III  
*Fall-Spring Semesters*

This course is a continuation of Drawing II in which the student further develops technical and conceptual skills and begins to explore a personal direction in traditional, narrative, conceptual, or other genres of visual expression. Prerequisite: ART265.

3 credit hours. Satisfies ADR I.
5 studio and lecture periods.

ART316 Figure Drawing III  
*Fall-Spring Semesters*

This course is a continuation of Figure Drawing II in which the student begins to refine technical and conceptual skills and explore a personal direction in figure drawing. Assigned and individual projects, research into contemporary theory on the figure in the visual arts, as well as visits to professional artists’ studios are a part of this class. Applying for and being awarded entrance to a juried exhibition begins the students’ professional regimen in the Fine Arts discipline. Prerequisite: ART266.

3 credit hours. Satisfies ADR I.
5 studio and lecture periods.

ART320 Painting III  
*Fall-Spring Semesters*

This course is a continuation of Painting II with further experiences to develop the technical and conceptual skills introduced in both Painting I and II while focusing on the development of personal expression and style, and includes exploration and self-portraiture. Alternative surfaces, variously scaled formats, and non-traditional compositional techniques are also explored. Prerequisite: ART270.

3 credit hours. Satisfies ADR I.
5 studio and lecture periods.

ART323 Illustration III  
*Spring Semester*

This course builds on the principles and skills learned in Illustration II, with an emphasis on professional practices and creative concept development in terms of both subject matter and medium. Through hands-on studio projects students continue to develop their own personal style, and with faculty guidance will
begin to assemble an illustration portfolio and self-promotional identity suitable for prospective clients. Prerequisite: ART273.

3 credit hours.
5 studio and lecture periods.

ART330  Sculpture III
Fall-Spring Semesters

This course is a continuation of Sculpture II that includes in-depth involvement with sculptural techniques and materials, including exploration of larger-scale sculpture, installations, and environmental sculpture. Assigned and individual projects are a part of this course, as well as portfolio development. Prerequisite: ART280.

3 credit hours. Satisfies ADR I.
5 studio and lecture periods.

ART339  Motion Graphics
Fall-Spring Semesters

This course is an introduction to the principles of screen-based design and interactivity, both from design and production standpoints. Areas of user interface, animation, sound, typography, and transition are explored through hands-on studio experience. Emphasis is on content and concept. Survey and study of case histories involving interactive CD-ROMs and the Internet will be included. Prerequisite: ART290.

3 credit hours.
5 studio and lecture periods.

ART340  Computer Graphics III
Fall-Spring Semesters

This course adds to the skills and concepts learned in Computer Graphics I and II with vector-based drawing, image editing, and page layout, and also introduces the student to Website design and development. In a series of case histories and hands-on projects, the student will become familiar with the ways that information and graphics can be disseminated over the web. Creative solutions and interrelationship of applications will be emphasized. Prerequisite: ART290.

3 credit hours.
5 studio and lecture periods.

ART345  Photography III
Fall-Spring-Summer Semesters

An advanced class in photography allowing the student to expand upon the knowledge and skills gained in either Photography I or Photography II. The student will choose specific areas of concentration that may include alternative processes. Within his/hers chosen area of study, the student will produce a cohesive body of work. Prerequisites: ART245, ART295, or demonstrated skill.

3 credit hours.
5 studio and lecture periods.

ART365  Drawing IV
Fall-Spring Semesters

This course is a continuation of Drawing III with an emphasis on independent efforts of the student to develop a coherent body of work in an elected area of focus. Portfolio development is also part of this course. Prerequisite: ART315.

3 credit hours. Satisfies ADR I.
5 studio and lecture periods.

ART366  Figure Drawing IV
Fall-Spring Semesters

This course is a continuation of Figure Drawing III, with an emphasis on independent efforts of the student to develop a cohesive body of work in an elected area of focus. Individual projects and portfolio development are part of this course, culminating in a juried exhibition of the semester’s work. Continual examination of contemporary works through museum and gallery visitation further inform the student’s work. Prerequisite: ART366.

3 credit hours. Satisfies ADR I.
5 studio and lecture periods.

ART370  Painting IV
Fall-Spring Semesters

This course is a continuation of Painting III in which the student develops a cohesive body of work in an elected area of focus. Portfolio development is also a part of this course. Prerequisite: ART320.

3 credit hours. Satisfies ADR I.
5 studio and lecture periods.

ART373  Illustration IV
Spring Semester

This course builds on the principles and skills learned in Illustration III, with further emphasis on professional practice. It includes a large-scale, professional-level independent project. Students will continue to refine their personal styles while
building a database of prospective clients and making actual contact for illustration commissions. The final illustration portfolio is presented. Prerequisite: ART323.

3 credit hours.
5 studio and lecture periods

ART380 Sculpture IV
Fall-Spring Semesters
The student develops a cohesive body of sculpture in an elected area of focus. Individual projects and portfolio development are a part of this course. Prerequisite: ART330.

3 credit hours. Satisfies ADR I.
5 studio and lecture periods.

ART385 Photography IV
Fall-Spring-Summer Semesters
This course is a continuation of Photography III, with an emphasis on independent effort on the part of the student to develop and complete a cohesive body of work in a selected area of photographic study area of study. Students will be required to observe gallery and museum shows in selected areas. Prerequisite: ART345.

3 credit hours.
5 studio and lecture periods.

ART388 History of Photography
Spring Semester
This course is a survey of the evolution of photography from ancient understandings of the principles of imaging to modern electronic imaging systems. The impact of photography as fine art, propaganda, and social and historical documentation will be explored. The student will also become familiar with contemporary photographers, their subjects, and working methods. Legal issues regarding censorship, privacy, and copyright will be presented and discussed as well.

3 credit hours. Satisfies ADR I.

ART389 History of Graphic Design
Spring Semester
This course examines the cultural, historical, political, and technological history of graphic design from the late 19th century to the present. Emphasis is on studying the relationship between societal trends and the appearance of mass communication. Topics discussed include design during the early industrial age, avant-garde influence on graphic design, American modernism, the advent of Corporate Identity design, and postmodern graphic design. Prerequisites: ONE of the following: ART101, ART202, ART203, ART204, ART205.

3 credit hours.

ART390 Art of the Classical World
Fall Semester
This course provides the student with a detailed overview of the art of the Classical world, emphasizing both the development of the formal style and the way in which the artists comment on and reflect Greek and Roman cultural ideas. Beginning with a brief discussion of pre-Classical Minoan and Mycenaean art, the course uses the traditional chronological approach (Geometric period, Archaic period, Early Classical period, etc.) as a framework for an exploration of Greek and Roman art as a reflection of religion, politics, and social customs. Prerequisites: ONE of the following: ART101, ART204, ART205.

3 credit hours. Satisfies ADR I.

ART391 Nineteenth-Century Art
Spring, odd-numbered years
This course is a survey of the development of modern European art from the neoclassical revival during the Age of Reason to fin-de-siecle symbolism and expressionism. Emphasis is placed on studying the interrelationship of politics, economics, society and art. Topics explored include Romanticism, the invention of photography, Impressionism, Fantastic and Visionary Art, and Art Nouveau. Prerequisites: ONE of the following: ART101, ART204, ART205.

3 credit hours. Satisfies ADR I.

ART393 American Art
Fall, even-numbered years
A survey of art in the United States from the precultural to the present with emphasis given to studying the social, economic, and cultural forces that influence the creation of art. Topics explored include Folk Art, the Hudson River School, American Impressionism, the birth of the skyscraper, photography, Abstract Expressionism, Pop Art, and contemporary trends. Prerequisites: ONE of the following: ART101, ART204, ART205.

3 credit hours. Satisfies ADR I.
ART394  Twentieth-Century Art I: Fauvism to Abstract Expressionism  
**Fall, odd-numbered years**  
This course surveys the art of the first half of the 20th century, from early expressionist experiments such as Fauvism and German Expressionism, through Pollock and Post-World War II Abstract Expressionism. Emphasis will be placed on analyzing formal qualities of art and understanding how politics, economics, societal change, and the visual arts interrelate. Topics discussed include the trend toward abstraction, Cubism, Bauhaus design, Dada, the introduction of conceptual art, Surrealism, and the emergence of the New York School of painting. Prerequisites: one of the following: ART101, ART202, ART203, ART204, ART205, ART391, ART392.  
3 credit hours. Satisfies ADR I.

ART395  Twentieth-Century Art II: Pop Art through the Pluralistic 1990s  
**Spring, even-numbered years**  
This course surveys the art of the second half of the 20th century, from Pop Art and challenges to the modernist aesthetic through the Pluralist Era of the late 1990s. Emphasis is placed on formal analysis of art and understanding how politics, economics, societal change, and the visual arts interrelate. Topics covered include British and American Pop, Minimalism, the emergence of new genres such as Performance Art, Earth and Environmental Art, Video, and Time Arts, as well as in-depth discussion of the origin and development of post-modern and pluralist theory and its expression in the visual arts. Prerequisites: one of the following: ART101, ART202, ART203, ART204, ART205, ART391, ART392, ART394.  
3 credit hours. Satisfies ADR I.

ART396  Art Education for Elementary Teachers  
**Fall-Spring-Summer Semesters**  
Designed for the Education major as an exploration of the elements and principles of visual art, current philosophies of art education, and the practical aspects of how to teach art, this course offers hands-on experiences in numerous media and simulated teaching situations. Students will develop an art resources portfolio complete with lesson plans, examples, and reference materials to assist in elementary education. ART101 or an art history course is recommended as a prerequisite.  
3 credit hours.

ART397  Art in Recreation: Beyond Arts and Crafts  
**Spring Semester**  
This course is an introduction to the theories, materials, and methods of art as therapeutic creation and learning how to assist and guide others in using art for self-expression and to enhance creativity. The student is also introduced to techniques of group leadership on topics such as dealing with life-cycle events or adapting to physical or emotional loss. This course is appropriate for students with professional interests in health care, working with special populations such as the physically or mentally challenged, geriatric groups, individuals in rehabilitation facilities, and those in specialized camp settings. Visits to area facilities are scheduled. No previous art experience is necessary.  
3 credit hours.

ART398  Junior Design Studio  
**Spring Semester**  
In this studio course, graphic designers will explore areas of personal interest and aesthetics in the creation and production of personal projects. Faculty-mentored, the studio will emphasize process, efficient use of time and materials, and effective communication with clients and vendors. Through periodic pin-ups and critiques, students will have the opportunity to discuss critical and formal issues central to the creation of a cohesive and meaningful project. Prerequisites: ART296, ART340, ART389.  
3 credit hours.  
5 lecture and studio periods.

ART399  Selected Topics in Art  
This course provides an opportunity to offer specialized courses from time to time that are not part of the regular Art curriculum. The specific class may be suggested by either faculty or students and can include, for example, study in a selected art medium such as watercolor, an art history topic such as contemporary artists or gallery management. The student may only take this course once.  
3 credit hours.

ART432  Senior Design Studio  
**Fall Semester**  
In this senior-level studio, the Graphic Design major works on the Senior Thesis, a complex and multifaceted project that requires practical application of
all skills and theories learned in prerequisite courses. Students employ methods of concept, process, craft, and design to create the solution to this professional-level communication problem. With guidance from faculty, emphasis is on individual process and expression. This thesis is defended and shown at the Senior Exhibition. Prerequisites: ART297, ART339, ART340.

3 credit hours.
5 studio and lecture periods.

**ART435/436 Professional Development Seminar**
*Fall Semester*

This senior-level studio is an opportunity for the student to develop a professional portfolio of work, as well as learn important business issues for the visual artist. The Graphic Design student creates a book or box portfolio and an accompanying electronic portfolio on CD-ROM; the Fine Art student creates an artist’s statement and series of slides. The culmination of this course is a formal presentation of the portfolio to a panel of faculty and industry reviewers. This seminar prepares the art student for a career in visual art or graduate study. Prerequisites: junior Art majors only.

3 credit hours.
5 studio and lecture periods.

**ART437 Fine Art Seminar**
*Fall Semester*

In this studio seminar, the Fine Art major will refine and develop a focus for the Senior Thesis and Exhibition. Lecture, reading, and discussion focus on contemporary artists, art theory, and criticism. Personal sources are identified, and students will illustrate the content and context of their developing work within the framework of contemporary art practice in written and oral presentations. Studio portions of the class are interdisciplinary, focusing on student areas of emphasis. Methods for expressing individual sources of inspiration and art ideas through various visual formats will be practiced in the studio. Prerequisite: senior Art majors only.

3 credit hours.
5 lecture and studio periods.

**ART440/441 Senior Portfolio and Exhibition (Fine Art/Graphic Design)**
*Fall-Spring Semesters*

This course is taken during senior year and is required of both Fine Art majors and Graphic Design majors. The purpose of the review is to provide an opportunity for self-evaluation and professional evaluation, and to prepare the student for entry into professional fields or graduate study. Students also participate in the Senior Art Majors’ Exhibition. Fine Art majors register for ART440, and Graphic Design majors register for ART441. Prerequisite: senior Art majors only.

1 credit hour.

ART440 Fine Art: 3 credit hours, 5 studio and lecture periods.
ART441 Graphic Design: 1 credit hour.

**ART450, ART451 Art Internship**
*Fall-Spring-Summer Semesters*

The purpose of the internship is to provide students with practical training in art and art-related fields in a professional environment, either on or off-campus. Responsibilities will vary according to placement as determined by the work supervisors of the sponsoring agency and faculty coordinator. The art internship is ideal for students seeking to broaden their studio art experiences and explore career interests. On-campus internship opportunities include placement at the York College Galleries.

3 credit hours.

**ART498, ART499 Independent Study**
*Fall-Spring-Summer Semesters*

These courses provide an opportunity for the student to undertake a well-defined independent project in fine art, graphic design, or art history. While the student conducts the work under the guidance of a faculty member of the student’s choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by reduction in formal instruction and an increase in the individual’s responsibility and initiative in the learning process.

1 to 3 credit hours.
BEHAVIORAL SCIENCES

BEH200  Introduction to Applied Youth Development  
*Fall Semester*
This course is designed to be an introduction to applied youth development concerning pre-adolescents (8-13) and early and middle adolescents (14-19) and is designed for students who are considering working with youth in fields such as criminal justice, education, human services, psychology, recreation, and sport management. Youth development is an approach that facilitates the development of assets that will help youth be successful as adolescents and adults. The course will provide students with an overview of youth development theories and practices. Students in this course will study topics such as the history of youth development, the factors and environmental structures that contribute to youth development, organizations that offer youth services, and issues, challenges, and risks facing youth today.

3 credit hours.

BEH260  Statistics for the Behavioral Sciences  
*Fall-Spring Semesters*
This course is designed to prepare the student for the application of elementary statistical tools to laboratory/field research projects and journal projects/publication preparation. Topics include descriptive statistics as tools to summarize and describe groups of data, inferential statistics including parametric and non-parametric hypotheses testing as tools for making inferences about population from samples. Students who have taken MAT250 or QBA260 are not permitted to take this course.

3 credit hours.

BEH490  Behavioral Science Seminar  
*Fall-Spring Semesters*
This seminar is designed to provide graduating seniors with opportunities to integrate both the theories and the research techniques acquired during their college experiences. Seniors will participate in discussions, do original research, and present their findings to the class and/or community groups. Required of Psychology, Sociology, and Behavioral Science majors. Prerequisite: Major of senior standing, SOC335, SOC336, or permission of instructor.

3 credit hours.

BEH495, BEH496  Behavioral Science Internship  
*Fall-Spring Semesters*
A program that provides on the job experiences to qualified students in the application of Behavioral Sciences. The student spends a minimum of 120 hours per semester with a selected agency. The internship provides an opportunity to explore job possibilities as well as making academic work more meaningful. Prerequisites: GPA of 2.5 and 60 credit hours. Students must meet the college requirements for all internships. This course is graded on a pass/fail basis.

3 credit hours each semester.

BEH498, BEH499  Independent Study  
*Fall-Spring Semesters*
The Independent Study Program affords an opportunity for the student who wishes to undertake a well-defined research project. While the student conducts his work under the guidance of a faculty member of his own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process.

1-3 credit hours each semester.
BIOLOGICAL SCIENCE

Courses for Non-Majors to Fulfill Area III Distribution Requirements:

BIO100  Introduction to Allied Health  
(Non-Lab will not satisfy Area III Distribution Requirement.) This course offers a professional orientation for allied health majors and others interested in learning more about these fields and other health related fields. Representatives from different areas of health care present information on the history, philosophy, science, technology, and organization of their respective fields. Other topics include specialized methodologies, recent developments, and descriptions of how the various disciplines interact with and complement one another.

1 credit hour.

BIO106  Introduction to Body Structure and Function  
Fall Semester  
(Non-Lab will not satisfy Area III Distribution Requirement.) This course provides an introduction to the structure of the human body and the function of body organs and systems. Topics include anatomical terminology and organization of the body. An overview of all body systems is included.

3 credit hours.

BIO110  General Biology  
Fall-Spring Semesters  
General Biology is an introductory laboratory course for non-majors. Topics include cell function, metabolism, and genetics. Students learn how scientists think by studying the scientific method and by conducting experiments in the laboratory. Dissection is not a part of this course.

2 hours lecture.
1 three-hour laboratory (BIO111).
3 credit hours. Satisfies ADR III.

BIO120  Field Natural History  
Fall-Spring Semesters  
Field Natural History provides an introduction to the biology, evolution, and diversity of life on Earth for non-majors. This course is designed to acquaint students with the structure, classification, ecology, and evolution of common and unusual organisms that inhabit the planet. Both indoor and field-based laboratory sessions introduce the methods of observation, identification, and applied ecology of some of the more common organisms of southern Pennsylvania and the world. Dissection is not a part of this course.

2 hours lecture.
1 three-hour laboratory (BIO121).
3 credit hours. Satisfies ADR III.

BIO124  Introduction to Oceanography  
Spring Semesters  
This course covers the major aspects of oceanography. The geological, chemical, and physical aspects of oceanography are stressed. Topics covered include plate tectonics, currents, tides, wind, waves, light, sound, pressure, and physical features of the ocean bottom. Human impacts on the ocean are also discussed. Not open to high school students.

2 hours lecture.
Lab consists of field trips/TBA (BIO 125).
3 credit hours. Satisfies ADR III.

BIO206  Freshwater Ecology  
Spring Semester, odd-numbered years  
This course focuses on freshwater habitats, such as rivers and lakes. In this class, students will explore how rivers and lakes form, what animals live within them, and how these animals interact with each other and their environment. There will also be special emphasis on how human activities are impacting freshwater environments and the steps necessary to help restore these habitats. Concepts learned in class include the physiochemical basis of life as well as cell and tissue structure. Laboratories involve microscopy, models, and rat dissection to allow a practical, “hands-on” approach to the concepts covered in lecture.

2 hours lecture.
1 three-hour laboratory (BIO113).
3 credit hours. Satisfies ADR III.
will be applied to York County rivers and lakes. Laboratory activities will include an introduction to the scientific method, overview of local species, and field-based experiments.

2 hours lecture.
1 three-hour laboratory (BIO207).
3 credit hours. Satisfies ADR III.

BIO208  Biology of Animals
Fall Semester, odd-numbered years
For students interested in studying animals. This lecture-lab course focuses on the basic biology and behavior of many spectacular animals from both the invertebrate and vertebrate worlds. Lecture discussions will range from animal evolution to migration, parental care, sociality, and many other topics. Laboratory will involve handling and observing living animals and will make connections to classroom discussions. Dissection is not a part of this course.

2 hours lecture.
1 three-hour laboratory (BIO209).
3 credit hours. Satisfies ADR III.

BIO210  Introduction to Marine Biology
Fall Semesters
This course takes an ecological approach to studying marine biology by focusing on the environmental characteristics, adaptations of organisms, and the communities found in the major marine ecosystems such as rocky shore, estuary, salt marsh, sandy beach, and coral reef. The course places more emphasis on the biotic communities found in each of these environments rather than the chemical and physical aspects of those environments. The impact of humans’ influence on these environments is also studied. Not open to high school students.

2 hours lecture.
Lab consists of field trips/TBA (BIO211).
3 credit hours. Satisfies ADR III.

BIO212  Environmental Biology
Fall Semester
This course is an introduction to applied ecology for non-majors. Class meetings review basic biological and ecological principles, including ecological efficiency, nutrient cycling, biological diversity, and population growth. Past and current environmental issues, such as resource use and pollution, are examined in light of ecological principles. Laboratory sessions are field-oriented and examine natural and human-impacted aquatic and terrestrial ecosystems. This class will be of interest to Education and Recreation majors. BIO150 or BIO110 recommended, but not required. Dissection is not a part of this course.

2 hours lecture.
1 three-hour laboratory (BIO213).
3 credit hours. Satisfies ADR III.

BIO216  Microbes: Unseen Life on Earth
Fall-Spring Semesters
This course, developed by the American Society of Microbiology and the National Science Foundation, is designed for the non-science major who is interested in the unseen world of microorganisms. The course investigates these invisible strangers from both an environmental and a basic science perspective. Four major topics that are studied include: the importance of microbes in the recycling of organic matter, the evolutionary significance of microscopic organisms, case studies related to microorganisms and emerging infectious diseases, and the future use of microbes in such areas as agriculture and environmental cleanup as well as their role in antibiotic resistance. The laboratories are investigative in nature, and students use microscopy and other techniques to learn how microbes function.

2 hours lecture.
1 three-hour laboratory (BIO217).
3 credit hours. Satisfies ADR III.

BIO232  Plant Taxonomy and Seasonal Flora
Summer Mini-semester, Summer II
This course provides a study of flowering plants of this area with comparisons made to flowering plants from other geographical regions. Collection and identification of most frequently seen families are emphasized.

3 hours lecture.
1 three-hour laboratory (BIO233).
4 credit hours. Satisfies ADR III.
structure. The structure and function of DNA and the mechanism by which genetic information is inherited, utilized, and experimentally manipulated, are covered in detail.

3 hours lecture.
1 three-hour laboratory (BIO151).
4 credit hours. Satisfies ADR III.

BIO152 Biology II  
*Fall-Spring Semesters*
This course is an overview of biology at the organismal level. The concepts of phylogeny and ecology are discussed in the context of how organisms are categorized and organized into the latest taxonomic versions.

3 hours lecture.
1 three-hour laboratory (BIO153).
4 credit hours. Satisfies ADR III.

BIO200 Introduction to Scientific Research  
*Fall-Spring Semesters*
A broad introduction to skills needed to pursue a career in biology. Writing, obtaining, and using scientific literature and the use of scientific software are emphasized. The course also considers research design and the basics of data analysis and presentation. The creation of a proposal for senior thesis is an important course requirement. Prerequisites: BIO150 and BIO152 or permission by the instructor. It is strongly recommended that BIO200 be completed before enrolling in 300-level biology electives.

3 hours lecture.
3 credit hours.

BIO220 Human Anatomy and Physiology I  
*Fall Semesters*
This course is recommended for students seeking careers in health-related fields. A study of the structure and function of the human body is offered utilizing a systems approach. Emphasis is placed on the gross and microscopic anatomy as well as the physiology of the cardiovascular, respiratory, urinary, reproductive, endocrine, and digestive systems. Dissection is required. Prerequisite: Completion of BIO220 with a 2.0 or higher.

3 hours lecture.
1 three-hour laboratory (BIO223).
4 credit hours. Satisfies ADR III.

BIO222 Human Anatomy and Physiology II  
*Spring Semesters*
As a continuation of BIO220, emphasis is placed on the gross and microscopic anatomy as well as the physiology of the cardiovascular, respiratory, urinary, reproductive, endocrine, and digestive systems. Dissection is required. Prerequisite: Completion of BIO220 with a 2.0 or higher.

3 hours lecture.
1 three-hour laboratory (BIO241).
4 credit hours. Satisfies ADR III.

BIO300 Ecology  
*Fall-Spring Semesters*
This course provides an introduction to the study of the relationships of organisms to their environment and each other as a means for understanding their distribution and abundance. Topics of study include: autecology (dispersal, habitat selection, abiotic tolerances), population dynamics (structure, growth, life history variation), community ecology (species diversity, equilibrium, succession) and species inter-
actions (competition, predation). Both field-based laboratories and lecture material focus on developing skills in observation, logical scientific inquiry, and written reports. Prerequisites: BIO150, BIO152. Recommended: BIO200.

3 hours lecture.
1 three-hour laboratory (BIO301).
4 credit hours.

BIO302 Zoology
Spring Semester, even-numbered years
A continuation of the animal biology introduced in Biology II (BIO152). The focus is on the general structural and functional biology of the higher invertebrates and the vertebrates. Laboratories include both comparative histology and anatomy and also data-oriented experiments involving animal behavior and physiology. Small groups also complete independent research projects of their own design. Prerequisite: BIO150, BIO152, BIO200, and BIO240 or permission by the instructor.

3 hours lecture.
1 three-hour laboratory (BIO303).
4 credit hours.

BIO304 Botany
Fall Semester, even-numbered years
Selected non-vascular and vascular plants are studied with a view toward their phylogenetic relationship. Morphological and physiological variations that exist from the cellular to the organismal level will be noted. Laboratory topics provide opportunities for students to see and critically analyze selected non-vascular and vascular plants and to make application of the principles and terminology gained from the lecture experience. Prerequisite: BIO150 and BIO152.

3 hours lecture.
1 three-hour laboratory (BIO305).
4 credit hours.

BIO306 Animal Behavior
Spring Semester, odd-numbered years
This course is an introduction to the behavior of wild animals in their natural environments. Behavioral adaptations are viewed in terms of possible evolutionary costs and benefits. Mechanisms behind behaviors are explored with an emphasis on neural and endocrine organization. Laboratory involves independent research projects in both lab and field settings. Prerequisite: BIO150, BIO152, BIO200, and BIO240 or permission by the instructor.

3 hours lecture.
1 three-hour laboratory (BIO307).
4 credit hours.

BIO308 Animal Physiology
Fall Semester, even-numbered years
This course presents principles of animal physiology with an emphasis on the functional biology of vertebrate and higher invertebrate animals. Physiological systems are discussed as evolutionary adaptations to environmental challenges. The laboratory stresses the collection, analysis, and reporting of experimental data. Prerequisite: BIO150, BIO152, BIO200, and BIO240 or permission by the instructor.

3 hours lecture.
1 three-hour laboratory (BIO309).
4 credit hours.

BIO310 Plant Morphology/Embryology
Fall Semester, odd-numbered years
The structural differences within mature forms of angiosperms is noted through studies of life histories of selected species. Early gametophytic patterns leading to early embryo patterns are stressed for selected local species. Prerequisite: BIO150 and BIO 152.

3 hours lecture.
1 three-hour laboratory (BIO311).
4 credit hours.

BIO312 Plant Systematics
Spring Semester, even-numbered years
Plant Systematics is designed to acquaint students with plant relationships and how we interpret the phylogenetic meaning of those relationships. It will provide discovery methods and principles of botanical systematics, look at various classification systems, review structural and biochemical evidence, and examine speciation and species concepts. All of this will be made meaningful through laboratory experiences reflecting on green plant phylogeny from selected examples of the earliest Viridophytes through flowering plants. Special attention will be paid to plants easily obtained in these environs. BIO150 and BIO152, or their equivalents, are prerequisites.

3 hours lecture.
1 three-hour laboratory (BIO313).
4 credit hours.
BIO324  Marine Ecology of the Chesapeake Bay  
*Fall Semester, even-numbered years*

The goal of this course is to provide an in-depth understanding of marine ecology using examples from the Chesapeake Bay environment. Topics covered will include the history of the bay, hydrography, plankton ecology, bottom communities, fisheries, and human impacts on the bay. The laboratory component will include independent research on topics related to Chesapeake Bay ecology as well as a weekend field trip to the Bay. Prerequisite: BIO150 and BIO152.

3 hours lecture.  
1 three-hour laboratory (BIO325).  
4 credit hours.

BIO330  Biology of Microorganisms  
*Fall Semester*

Microbiology is the study of living organisms that can only be seen with a microscope. It also includes viruses, which are microscopic but not cellular. As a basic science, it provides the biologist with an excellent experimental model for studies of essential life processes. Microbiology is also concerned with many applied fields, such as medicine, agriculture, and industry. Both the basic and applied areas of microbiology will be explored in this course through readings, lectures, laboratories, and written and oral reports and exams. Prerequisite: BIO240.

3 hours lecture.  
1 three-hour laboratory (BIO331).  
4 credit hours.

BIO350/CHM350  Biochemistry  
*Fall Semester*

This course is an introduction to the composition of and interactions between molecules of biological significance, including nucleic acids, proteins, carbohydrates, and lipids. The course is taught with an emphasis on the structure-function relationship of each molecule with regard to supporting life. Coordinated labs utilize modern as well as classical biochemical techniques to reinforce lecture concepts. Prerequisite: BIO150 and CHM234. BIO240 is recommended.

3 hours lecture.  
1 three-hour laboratory (BIO351).  
4 credit hours.

BIO352  Biochemistry II  
*Spring Semester*

This course is a continuation of BIO350/CHM350 that explores in greater detail the role of carbohydrates, lipids, and glycoconjugates in membrane structures and metabolism. The course is taught with an emphasis on the structure-function relationship of each molecule with regard to supporting life, including discussions of medically relevant diseases associated with these molecules. Coordinated labs utilize modern as well as classical biochemical techniques to reinforce lecture concepts. Prerequisite: BIO350 or CHM350. BIO240 is recommended.

3 hours lecture.  
1 three-hour laboratory (BIO353).  
4 credit hours.

BIO354  Immunology  
*Spring Semester*

This course provides an introduction to the basic principles of immunology, including the areas of innate and adaptive immunity, antigen-antibody interactions, the role of immunology in health and disease, as well as its uses in laboratory analyses. In the laboratory students utilize the techniques of serology, cell biology, and biochemistry to study the immunology of animal models. Written and oral reports are an essential part of both the lecture and laboratory components of the course. Prerequisite: BIO150. Also recommended: BIO230, BIO240, or BIO330.

3 hours lecture.  
1 three-hour laboratory (BIO355).  
4 credit hours.

BIO356  Reproduction and Developmental Biology  
*Spring Semester, odd-numbered years*

This course involves the study of biomolecules, cells, tissues, organs, and organisms as a function of time. The cellular and molecular mechanisms involved in the production of gametes and the differentiation of a single zygote into a multicellular organism are elucidated using a variety of animal models. The successful completion of an independent research project is the capstone requirement of this course. Prerequisite: BIO240.

3 hours lecture.  
1 three-hour laboratory (BIO357).  
4 credit hours.
BIO358  Cell and Molecular Biology

*Fall Semester, odd-numbered years*

This course examines the molecular mechanisms of eukaryotic cell function. The relationship between form and function at the molecular and cellular level are discussed from topics ranging from transcription to cellular signaling. The laboratory component provides the students with experience in modern molecular techniques used to study cellular function. Prerequisite: BIO240.

3 hours lecture.
1 three-hour laboratory (BIO359).

4 credit hours.

BIO370  Evolutionary Biology

*Spring Semester, odd-numbered years*

This course examines the fundamental evolutionary processes by which the diversity of life on Earth is explained. Topics include the history of evolutionary thought, mechanisms of natural selection, violations of Hardy-Weinberg, population genetics, phylogenetic trees, the formation and evolution of species, and critical thinking on how to study evolutionary change. Students work with living organisms during lab to generate biological evolution. Computer simulations are used to reinforce concepts from lecture and lab. Prerequisites: BIO150, BIO152, BIO240. Recommended: BIO300.

3 hours lecture.
1 three-hour laboratory (BIO371).

4 credit hours.

BIO400  Senior Thesis

*Fall-Spring Semesters*

The Biology Department’s capstone course that culminates the research process that began with Introduction to Scientific Research (BIO200). Senior Biology majors organize and present their own previously obtained research data or research proposal as a poster and as a professionally written document. Students begin the course by presenting a detailed research progress report to a Biology Faculty Review Panel for evaluation. Students are permitted to commence with Senior Thesis only if sufficient research progress has been demonstrated. The course emphasizes presentation-enhancing computer software, technical aspects of scientific writing, and speaking before critical audiences. At the end of the semester, oral poster presentations are given for evaluation by Biology faculty. Students also submit a professionally written research report or research proposal. Prior to registering for this course, it is mandatory that each student has already established a working relationship with a full-time, on-campus member of the Biology faculty.

1 hour lecture.
1 credit hour.

BIO402  Biological Internship

This experience is designed to expose the student to the reality of working in a biological field through direct participation. As such, the student engages in meaningful, professional, substantive work experiences related to the students’ scientific interests. Biology internships may involve research with a faculty member, or participation in off-campus workshops or employment. Prerequisite: 60 credits of completed coursework, cumulative GPA of at least 2.50, and departmental approval.

3 credit hours.

BIO406, BIO408  Independent Study

This experience allows a student to do biological research under the supervision of a faculty member. A research proposal developed in the Introduction to Scientific Research course can be conducted in this course and the results of the study utilized for the Senior Thesis course. Prerequisite: 60 credits of completed coursework, cumulative GPA of at least 2.50, and departmental approval.

Two semesters.
Maximum six credits.

Wallops Island Marine Science Consortium Classes

York College is a member of the Marine Science Consortium at Wallops Island, Virginia. The Marine Science Consortium offers a series of undergraduate and graduate courses in marine and environmental sciences. Courses taken at the Wallops Island Marine Science Consortium may be transferrable to York College for degree credits. With prior departmental approval, Biology majors may utilize one course as an upper-division elective toward their degree requirements. Additional information is available in the Biology Department office (LS206) and at the Consortium’s website, www.msconsortium.org. The following is a list of
courses commonly available at the Consortium; however, the Consortium website will contain the most up-to-date information:

- YMS211 Field Methods in Oceanography
- YMS221 Marine Invertebrates
- YMS250 Wetlands Ecology
- YMS260 Marine Ecology
- YMS331 Chemical Oceanography
- YMS342 Marine Botany
- YMS343 Marine Ichthyology
- YMS345 Marine Ornithology
- YMS362 Marine Geology
- YMS431 Ecology of Marine Plankton
- YMS432 Marine Evolutionary Ecology
- YMS450 Coastal Geomorphology
- YMS464 Biological Oceanography
- YMS491 Coral Reef Ecology
- YMS493 Behavioral Ecology
- YMS500 Problems in Marine Science

**BUSINESS ADMINISTRATION**

**BUS150  Introduction to Business**  
*Fall-Spring Semesters*  
This course is intended to give students a foundational understanding of the role and function of the business enterprise. The aspects of business that will be explored include: accounting, finance, leadership, management, marketing, strategy, operations, human resources, organizational behavior, and information systems. Ethics, economics, service/volunteerism, the international marketplace, demand creation, an organization’s value chain, and supply chain management will also be discussed. Students will have multiple opportunities to improve their communication and teamwork skills. Preference will be given to the following majors: undecided business majors, undecided majors, and those other students interested in exploring business careers. Enrollment is limited to students with less than 60 credits completed who have not completed other 100-level and 200-level Business courses.  
3 credit hours.

**BUS218  Personal Finance**  
*Fall Semesters*  
This course is designed for students in all majors. Methods are developed for use in making personal decisions about credit, leasing, renting, insurance, investing, taxes, retirement and estate planning, and purchasing durable goods.  
3 credit hours.

**BUS345  Business Law I**  
*Fall-Spring Semesters*  
A study of the domestic and international legal environment of business including business ethics, the U.S. Constitution, the judicial system, torts, criminal law, intellectual property, cyber law and e-commerce, contracts, domestic and international sales and lease contracts, and negotiable instruments. Selected articles from the Uniform Commercial Code and the United Nations Convention on Contracts for the International Sale of Goods will be studied.  
3 credit hours.

**BUS346  Business Law II**  
*Spring Semester*  
This course is an advanced legal study for students seeking a professional career in business or government. Emphasis is placed on the study of creditors’ rights, bankruptcy, agency law, employment and labor relations, legal forms of business organizations, business ethics, government regulations, real and personal property, bailments, insurance, wills, trusts and elder law, professional liabilities, and international legal environments. This is a writing/communication-intensive course. Prerequisite: Completion of BUS345 with a grade of 2.0 or higher.  
3 credit hours.

**BUS490, BUS491  Business Internship**  
*Fall-Spring Semesters*  
A business internship is a short-term, business-related work experience designed to allow students to gain meaningful, pre-professional work experience in their field of study prior to graduation. Internships require students to meet periodically with a faculty supervisor, provide a written deliverable, and participate in an end-of-internship evaluation. Prereq-
Chemistry and Society  
*Fall or Spring Semesters*

This course is designed to be an issues-oriented chemistry literacy course for non-science majors. Basic science and chemistry concepts are broadly applied to the study of topics that may include the atmosphere, global warming, energy, water, acid rain, nanotechnology, nuclear energy, polymers, and nutrition. An underlying theme is the evaluation of information and risk/benefit choices. The laboratory includes field trips, field studies, and in-lab experiments. Prerequisite: IFL101.

- 2 class periods.
- 1 three-hour laboratory period (CHM203).

3 credit hours. Satisfies ADR III.

Foundations in Chemistry  
*Fall Semester*

This course is an introduction to fundamental chemical principles, specifically designed for students deficient in basic science and math skills. Topics include calculator math, unit conversion, states of matter, atoms, molecules, simple reactions, and the mole.

3 credit hours.

Principles of General and Organic Chemistry  
*Fall-Spring Semesters*

Chemistry 341
This course is designed specifically for majors requiring a single semester of chemistry as a continuation from high school chemistry. The course emphasizes general chemistry principles that are essential to continuing study in the health sciences. The course includes a brief introduction to organic functional groups. Prerequisite: high school chemistry. Students with weak high school backgrounds are advised to complete CHM104 (Foundations of Chemistry) before enrolling in CHM122, CHM123.

3 class periods.
1 three-hour laboratory period (CHM123).
4 credit hours. Satisfies ADR III.

CHM130 First-year Chemistry Colloquium
This course will introduce Chemistry and Forensic Chemistry majors to topics related to the practice of Chemistry as a profession. Students will learn details and background material that will enable them to understand the significance of current research projects and internships that are ongoing in the department. Students will gain practical information about how to become a lab assistant, a research assistant, an intern, and the importance of networking at regional and national meetings. Discussion topics will also include issues of current interest to chemists including environmental chemistry, chemistry of new materials, nuclear chemistry, and electrochemistry.

1 three-hour class period.
1 credit hour.

CHM134 General Chemistry I
*Fall-Spring Semesters*
This introductory Chemistry course is recommended for all science and Engineering majors as well as Clinical Lab Science, Pre-medical, Pre-dental, Pre-veterinary, and Pre-pharmacy majors. The course includes an introduction to stoichiometry, atomic structure, chemical bonding, properties and reactions of inorganic compounds, introductory thermodynamics, acids and bases, and oxidation-reduction reactions. Prerequisite: Two semesters of high school algebra or the equivalent.

3 class periods.
1 three-hour laboratory period (CHM135).
4 credit hours. Satisfies ADR III.

CHM136 General Chemistry II
*Fall-Spring Semesters*
General Chemistry II is a continuation of CHM134. This semester is a study of gas laws, states of matter, thermodynamics, acids and bases, ionic equilibria, electrochemistry, nuclear chemistry, and descriptive chemistry of the elements. Prerequisite: CHM134 with a grade of 2.0 or higher.

3 class periods.
1 three-hour laboratory period (CHM137).
4 credit hours. Satisfies ADR III.

CHM146 Advanced Chemistry II
*Spring Semester*
This course is an advanced version of General Chemistry II suitable for Chemistry and Forensic Chemistry majors, and other science majors with a strong desire to study chemistry. The topics to be studied include an examination of the properties of the different phases of matter, solutions and their properties, rates of reactions and the variables that control them, equilibrium in chemical reactions, acid-base chemistry, an introduction to thermodynamics, and electrochemistry. When possible, connections to upper-level Chemistry courses will be made in order to prepare students for future courses in the Chemistry program. Prerequisites: CHM134 with a grade of 2.5 or higher.

3 class periods.
2 three-hour laboratory period (CHM147).
4 credit hours. Satisfies ADR III.

CHM150 Introductory Seminar in Computers for Chemists
*Fall-Spring Semesters*
This course is required for all Chemistry majors (preferably in the freshman or sophomore years). The course is primarily an introduction to computer techniques such as molecular modeling and the use of spreadsheets in chemistry. Freshmen and sophomores will be working together and will engage in discussions concerning the latest developments in software for chemists. The course will involve seminars, demonstrations, and hands-on use of computers.

1 class period.
1 credit hour.

CHM152 Introductory Seminar in Chemistry Issues, Ethics, and Experimental Design
*Spring Semester*
This course is required for all Chemistry majors (preferably in the freshman or sophomore years). The course focuses on issues and ethical choices that
a professional chemist faces in daily work. Freshmen and sophomores will be working together with instrumentation in chemistry through an experimental design project. The course will involve seminars, demonstrations, and hands-on use of computers.

1 class period.
1 credit hour.

CHM234 Organic Chemistry I
Fall-Spring Semesters
Organic Chemistry I focuses on the study of carbon compounds. An integrated study of the nomenclature, properties, stereochemistry, synthesis, and reactions of aliphatic compounds including alcohols will be presented. The relationship between structure and reactivity is developed for each class of compounds. Mechanisms are stressed. This course will also cover introductory spectroscopic analysis. Prerequisite: Either CHM136 or CHM146 with a grade of 2.0 or higher.

3 class periods.
1 laboratory period (CHM235).
4 credit hours. Satisfies ADR III.

CHM236 Organic Chemistry II
Fall-Spring Semesters
This course is a continuation of CHM234. Reactions of aromatic, carbonyl, and amine compounds will be studied. Additionally, this course covers radical as well as oxidation/reduction reactions. Advanced spectroscopic analysis will be presented. Mechanisms and synthetic strategies will continue to be stressed. Prerequisite: CHM234 with a grade of 2.0 or higher.

3 class periods.
1 three-hour laboratory period (CHM237).
4 credit hours. Satisfies ADR III.

CHM336 Quantitative Analytical Chemistry
Fall Semester
This analytical course covers classical methods of chemical analysis that are augmented by the use of new titrants and ion selective electrodes. The theory and techniques of gravimetric, volumetric, and potentiometric analysis are discussed. Prerequisites: Either CHM136 or CHM146 with a grade of 2.0 or higher.

2 class periods.
2 three-hour laboratory periods (CHM337).
4 credit hours.

CHM338 Instrumental Analytical Chemistry
Spring Semester
This course provides an introduction to the theoretical principles and applications of modern instrumental methods of analysis. Topics include spectroscopy, chromatography, elemental analysis, surface analysis, and electrochemical techniques. Prerequisites: Either CHM136 or CHM146 with a grade of 2.0 or higher.

2 class periods.
2 three-hour laboratory periods (CHM339).
4 credit hours.

CHM344 Physical Chemistry I
Fall Semester
As an introduction to quantum chemistry, this course will begin with a detailed examination of the electronic structure of atoms and molecules and build an understanding of how to predict properties and reactivities of chemical substances. The course includes extensive discussion of modern computational techniques as well as practical exercises involving molecular modeling. Prerequisites: CHM150, PHY112 (or PHY162), CHM236, MAT271, MAT272 with a grade of 2.0 or higher.

3 class periods.
1 three-hour laboratory period (CHM345).
4 credit hours.

CHM346 Physical Chemistry II
Spring Semester
This continuation of Physical Chemistry is a calculus-based examination of molecular spectroscopy, group theory, non-ideal gases, statistical mechanics, thermodynamics, chemical equilibria, and chemical kinetics. All topics are presented from a purely molecular-level viewpoint, building from the theoretical principles discussed in Physical Chemistry I. Prerequisite: CHM344 with a grade of 2.0 or higher.

3 class periods.
1 three-hour laboratory period (CHM347).
4 credit hours.

CHM350/BIO350 Biochemistry I
Fall Semester
This course is an introduction to the composition of and interactions between molecules of biological significance, including nucleic acids, proteins, carbohydrates, and lipids. The course is taught with an emphasis on the structure-function relationship of each molecule with regard to supporting life.
Coordinated labs utilize modern as well as classical biochemical techniques to reinforce lecture concepts. Prerequisite: BIO150 and CHM234. BIO240 is recommended.

3 hours lecture.
1 three-hour laboratory (BIO351).
4 credit hours.

CHM362, CHM364, CHM366, CHM368
Special Topics in Chemistry
These are upper-level courses focusing on chemistry-related topics that are of particular interest to science majors but that are not currently covered in the Chemistry curriculum. Subject matter may include advanced Chemistry topics as well as topics that have immediate impact on our society. Courses may be offered in either a lecture format or a combination of lecture and laboratory.

3 credit hours.

CHM434    Advanced Organic Chemistry
This advanced course in organic chemistry is a study of the principles and applications of physical, theoretical, and mechanistic organic chemistry. Topics include methods of synthesis of organic molecules, kinetics and mechanisms of organic reactions, structure-activity relationship, and spectroscopy. Prerequisite: CHM236 with a grade of 2.0 or higher.

3 credit hours.

CHM444    Inorganic Chemistry
Fall Semester
This course is a study of the descriptive and theoretical aspects of modern inorganic chemistry. Topics include atomic structure, bonding theories, acid-base concepts, chemistry of the main group elements, coordination chemistry and the transition elements, and selected topics of current interest. Prerequisite: CHM236 with a grade of 2.0 or higher.

3 credit hours.

CHM451    Capstone Laboratory Experience
Spring Semester
This course is required for all Chemistry majors (preferably in the senior year). This one-semester laboratory experience will be designed to integrate four broad areas of chemistry including inorganic, physical, organic, and analytical chemistry. Successful completion of CHM346 and CHM338 is required.

1 three-hour laboratory period.
1 credit hour.

CHM481, CHM482    Independent Study
This course sequence represents in-depth study in a specialized area of chemistry that is chosen by the student. This may involve novel research that contributes to the general knowledge of science or a review of topics that connects the existing knowledge in a new way. Faculty mentoring plays an integral role in the completion of this course as does the fostering of student responsibility for the learning and research processes. Prerequisite: CHM336 and CHM338.

1-6 credits per semester.

CHM490    Chemistry Internship
This off-campus internship is designed to give the students an opportunity to make use of the practical aspects of their classroom knowledge, thus developing their confidence and understanding through experience. The corporate supervisor and the faculty supervisor will evaluate student’s performance. Prerequisites: Junior standing, CHM236, and departmental approval of each participant’s individual program.

3 credit hours.

CLINICAL LABORATORY SCIENCE

CLS401    Clinical Microbiology**
Identification and clinical pathology of bacteria, fungi, viruses, and parasites. Techniques to isolate, stain, culture and determine antimicrobial susceptibility. Instrumentation; quality control.

CLS402    Clinical Chemistry**
A study of enzymology, endocrinology, biochemistry of lipids, carbohydrates and proteins, metabolism of nitrogenous end products, physiology and metabolism of fluids and electrolytes, and toxicology as related to the body and diseases. The technical
procedures include colorimetry, spectrophotometry, electrophoresis, chromatography, automation, and quality control.

CLS403 Clinical Hematology/Coagulation**
A study of the composition and function of blood; diseases related to blood disorders; the role of platelets and coagulation. Manual and automated techniques of diagnostic tests for abnormalities.

CLS404 Clinical Immunohematology**
A study of blood antigens, antibodies, crossmatching, hemolytic diseases, and related diagnostic tests. An in-depth study of blood donor service and its many facets such as transfusions, medico-legal aspects, etc.

CLS405 Clinical Immunology/Serology**
A study of immune response, immunoglobulins, autoimmunity, and complement and related tests and disease. Survey and demonstration of serological diagnostic tests.

CLS406 Clinical Seminar**
Courses not included in the above, such as orientation, laboratory management, education, or clinical microscopy; and other courses unique to the individual hospital program.

**These courses are taken at the hospital where the students have been admitted for their clinical (senior) year in the Clinical Laboratory Science major.

COMMUNICATION

CM100, CM101, CM102, CM103 Public Speaking Practicum
Fall-Spring Semesters
The practicum courses are directed experiences in verbal and nonverbal communication, performance, listening, and other special topics. Credit is given for speeches made in the community, on campus, and/or with the Forensics Team at intercollegiate competitions.

1 credit hour per semester up to 4.

CM104 Human Communication
Fall-Spring Semester
This course provides an introduction to the dynamics of human communication. This course addresses communication needs in your professional and personal life. In order to meet this goal, Human Communication focuses on (1) effective communication when speaking to another person, (2) communicating effectively when making decisions in a group setting, and (3) speaking effectively to an audience. Speaking, listening, and writing critically are expected in all course activities.

3 credit hours.

CM120 Broadcast Performance I
Fall-Spring Semesters
The intent of this course is to introduce the student to the fundamental elements necessary to perform in an audio or video production. Special emphasis is placed upon development of the voice and camera presence. Students are expected to learn basic announcing techniques and appropriate bearing and movement before the camera. Students can expect to learn different techniques used to perform in a variety of program formats, including news, talk, interviews, promotional spots, advertising, and public service announcements.

1 credit hour per semester up to 4.

CM132, CM133, CM134, CM135 Radio Practicum
Fall-Spring Semesters
The Radio Practicum courses are an opportunity to participate in the various activities of an on-air radio station, including announcing, news gathering and presentation, programming, copy writing, and CD, MP3, and record library activities.

1 credit hour per semester up to 4.

CM150 Beginning Sign Language
Fall-Spring Semesters
This course is an introduction to American Sign Language, including the manual alphabet, an introduction to deaf culture, basic signs, and the history and place of signed communication in society.

1 credit hour.
CM206  Communication Theory  
*Fall-Spring Semesters*
This course provides an introduction to the most important theories and principles of communication. Students learn to appreciate the use of theory and its application to a wide variety of communication contexts and behaviors. Prerequisite: CM104 or taken concurrently with CM104.

3 credit hours.

CM207  Rhetoric and Public Address  
*Spring Semester*
This course develops the study and research of the theoretical, philosophical, and historical bases of rhetorical theory from the ancient Greeks and Romans through the present day. Emphasis will be placed on rhetoric as a practical art (public address) and as scholarly pursuit (rhetorical criticism). Students will evaluate contemporary speeches applying developed skills.

3 credit hours.

CM211  Mass Communication  
*Fall-Spring Semesters*
This course provides a survey of the theories, technologies, industries, and practice of mass communication. Included is an examination of the media as an institution of both popular culture and art, as well as the development of critical evaluation skills necessary for understanding the effects of mass communication on society.

3 credit hours.

CM212  Public Speaking  
*Spring Semester*
This course studies the theory and performance of public speaking. Emphasis placed on audience analysis and the rhetorical situation. Organization, content, style, and delivery will be studied. Prerequisite: CM104.

3 credit hours.

CM221  Introduction to Public Relations  
*Fall-Spring Semesters*
This course examines theory, strategies, and ethics used in the practice of public relations. Students focus on research, planning, audience reach, and evaluation of public relations in corporate, governmental, educational, and international settings. Students are introduced to written, spoken, and visual communication techniques. Students are evaluated by exams, quizzes, and a paper exploring an area of public relations.

3 credit hours.

CM222  Nonverbal Communication  
*Fall Semester, odd-numbered years*
This course will identify and discuss the primary categories of nonverbal communication behavior utilized in daily communication activities. Material will be applied to a variety of common communication contexts, i.e. interpersonal, business, and academic relationships.

3 credit hours.

CM226  Audio Production  
*Fall-Spring Semesters*
Audio Production I is an introductory course to the technology utilized in audio production and audio recording. Students will receive instruction in studio/control room recording techniques (i.e. acoustics, analog audio mixers, connectivity, microphone design/placement, and storage devices). Students will learn the process of recording live talent using digital technologies. Students are expected to produce professional quality audio projects. Application of audio production to radio and television broadcasting will also be discussed.

3 credit hours.

CM231  Radio Production  
*Fall-Spring Semester*
This course develops theory and practice in radio studio production techniques, including operation of studio and control room equipment and remote production techniques. Students produce a variety of program material. Prerequisite: CM226.

3 credit hours.

3 hours practicum.

CM242  Video Production I  
*Fall-Spring Semesters*
This course provides a study of the practical and aesthetic facts in basic video production, including the operation of cameras, lighting, performance, studio functions, editing, and electronic field production. Industry opportunities and practices are also addressed. Prerequisite: CM226.

4 credit hours.

4 hours practicum.
CM250  Advanced Sign Language  
*Fall-Spring Semesters*  
This course is a more intensive examination of signed languages and deaf culture and an emphasis on language skills and increased vocabulary. Prerequisite: CM150.  
1 credit hour.

CM271  Print Media Writing  
*Fall-Spring Semesters*  
This course provides an overview of the theory and practice of gathering, writing, and editing material for the media, including news stories and other types of articles used by the media. Students will learn journalistic style and contemporary media writing formats. In addition, the course will include legal and ethical considerations as well as responsibilities of journalists.  
3 credit hours.

CM304  Group Discussion  
*Fall Semester, even-numbered years*  
This course provides a study of the theories and skills associated with group decision making and problem solving. Students learn the elements of participation and leadership, and will develop an understanding of how groups operate.  
3 credit hours.

CM310  Argumentation and Debate  
*Fall Semester, even-numbered years*  
This course is an examination of traditional and contemporary theories of argumentation and debate including methods of reasoning in argumentation, issue analysis, and the strategy and tactics of case construction. Students will participate in debates.  
3 credit hours.

CM320  Broadcast Performance II  
*Spring Semester*  
This is an upper-level course designed to develop the talent of the student seriously considering a career in professional audio or video performance. This course will focus on development of a recognizable and believable persona appropriate for most of the formats common to radio and television. Extensive attention is given to voice, movement, appearance, and camera/microphone presence. The course also focuses on development of a professional audition portfolio for audio and/or video. Prerequisites: CM120, CM226, CM231, CM242.  
3 credit hours.

CM321  Writing for Public Relations  
*Fall-Spring Semesters*  
This course is designed to develop knowledge, skill, and abilities in the production of public relations materials for print, broadcast, and web-based media. Students are required to produce a portfolio of written materials, which may include media kits, brochures, releases, fact sheets, backgrounders, newsletters, feature articles, speeches, and public service announcements. Students are evaluated by exams and the quality of their written work. Prerequisites: CM221 and CM271.  
3 credit hours.

CM322  Media Relations  
*Fall Semester*  
This course offers knowledge and skills in understanding local, regional, national, and international media needs, function, and demands; theories and methods in developing news; pitching stories, facilitating and accommodating media in news conference, briefing, and on-scene locations. The course will involve developing of media list matrix; coverage planning; sequential time planning, video news release development, production and satellite distribution; on-scene staging, pool coverage, web-based media support, coverage measurement and cost-benefit analysis, audience analysis. Prerequisites: CM221 and CM321.  
3 credit hours.

CM323  Publications Editing and Design  
*Fall-Spring Semesters*  
This course will offer students the opportunity to learn and apply editing and design techniques to organizational publications. Students will learn to conceptualize, create, and design public relations materials for a variety of printed media to reach target audiences. Students will use appropriate desktop publishing software. While prior knowledge of publishing software is not necessary, students should have sufficient familiarity with computers to quickly learn how to use the software. Prerequisite: CM321.  
3 credit hours.
CM324  Public Relations Events and Promotions  
*Spring Semester*
Events are an important public relations tactic to communicate an organizational or client message to targeted publics in a dramatic, memorable way. This course details how events are used to help an organization or client meet goals and objectives. Topics include developing a strategic action plan for activities, budget, timetable, promotions, and communication, working with volunteers and the community; tactics involved with implementation of the event; and evaluation of the event’s effectiveness toward meeting goals. Prerequisite: CM221.  
3 credit hours.

CM327  Persuasion  
*Fall Semester*
A study of the history and theory of persuasion is the focus of this course. Course content includes a critical examination of the elements of persuasion, how persuasion functions in society, and the effects of communication contexts upon the structure of the persuasive message. Prerequisite: CM206.  
3 credit hours.

CM328  Organizational Communication  
*Spring Semester, odd-numbered years*
This course is an examination of how communication functions within an organizational setting. Course content focuses on the theories, flow, purpose and media used by organizations to communicate. Attention is also given to the methods by which organizational communication is evaluated. Prerequisite: CM206.  
3 credit hours.

CM329  Interpersonal Communication  
*Spring Semester*
Students will combine current theories of interpersonal communication and related concepts and apply these to daily interpersonal interactions with friends, family, peers, and coworkers. Prerequisite: CM206.  
3 credit hours.

CM330  Nonlinear Editing  
*Fall Semester*
This course is a study of nonlinear editing techniques used in the television and video industries. It is primarily concerned with the editing process in so far as it concerns projects, which regardless of the origination format will be finished on a videotape format. Prerequisite: CM341.  
3 credit hours.

CM332  Broadcast Media Writing  
*Spring Semester*
This course emphasizes the application of creativity in copywriting and production of radio, television commercials, public service announcements, campaigns, and programs and promotions for broadcast and web-based platforms. Students concentrate on client need, audience analysis, idea conceptualization, scripting, timing, and production technique integration. Students are responsible for the production of script copy portfolios and spot or program production. Prerequisites: CM226 and CM242.  
3 credit hours.

CM333  Broadcast Portfolio I  
*Spring Semester*
Broadcast Portfolio I offers the student the opportunity to obtain practical experience in basic studio and field production of a broadcast quality live and pre-recorded program. Students are responsible for performing most of the tasks involved in programming of this type. Prerequisite: CM242.  
3 credit hours.

CM336  Audio Production II  
*Fall-Spring Semesters*
This course is a continuation of Audio Production I, stressing a higher level of technical and aesthetic skills. Instruction focuses on developing the complex skills involved with computer-based audio production and digital audio mixing consoles as it applies to music, radio, and video production. The Federal Communication Commission’s rules and regulations that apply to the practical issues of audio production will also be discussed. Prerequisites: CM226 and CM211 or MUS297.  
3 credit hours.

CM340  News Writing and Production  
*Fall Semester*
This intensive newsroom and studio course introduces students to broadcast journalism, newsgathering, and producing and on-air newscast delivery. Students are responsible for learning and using
requires successful completion of a formal communication or public relations research project. Prerequisite: The completion of 90 credit hours, including 12 credits in Speech or Public Relations courses.

3 credit hours.

CM410 Media Management
Fall-Spring Semesters
This course explores the duties, tasks, and responsibilities of a media manager within a multi-dimensional corporate environment. Issues of staffing, budgeting, production scheduling, equipment acquisition, planned obsolescence, and delivery mechanisms will be discussed. Particular emphasis will be placed on planning and managing expanding applications of media technologies throughout the organization. Prerequisite: CM242.

3 credit hours.

CM415 Public Relations Planning
Fall-Spring Semesters
This course provides an in-depth study of the strategic planning process used in developing, implementing, and evaluating public relations programs to achieve organizational objectives. Award-winning public relations strategies are analyzed to determine how practitioners solve problems in a variety of situations. Prerequisite: CM221.

3 credit hours.

CM421 Public Relations Campaigns
Fall-Spring Semesters
Students work as agency groups responsible for the development of a public relations campaign for a local client organization. Students are evaluated by exams, assessment of campaigns, and related presentations. Prerequisites: CM321 and CM415.

3 credit hours.

CM423 Crisis Communications Management
Spring Semester
This course is designed to help prepare future public relations managers to plan for and to manage communications for organizations during a crisis. Topics include: defining and identifying types of crises, developing communications plans for crises, defining and understanding the roles of risk management and issues management, and learning techniques for managing communications before, during, and after
350  Course Descriptions

a crisis event. Students will develop a crisis communication plan. Prerequisite: CM415.

3 credit hours.

CM426  Audio Production III
Fall-Spring Semesters
Audio Production III is designed for students with a strong commitment to the study of music recording and production. The course provides an intensive analysis of field and studio recording techniques with an emphasis on multi-track audio production and engineering. Techniques of music production, sound design, and live/field recording are examined. Prerequisites: CM336, MUS181, MUS182 and (MUS200 or MUS290).

3 credit hours.

CM431  Advanced Production
Fall Semester
Advanced Production affords students the opportunity to concentrate for a semester on the intensive production of professional quality narrative, documentary, journalistic, and/or experimental video projects. Prerequisite: CM341.

3 credit hours.

CM433  Broadcast Portfolio II
Spring Semester
This course offers eligible students practical experience in advanced television studio and field production duties, tasks and responsibilities for the purpose of producing a live and pre-recorded broadcast quality program. Students will assume the roles of above-the-line personnel. Prerequisite: CM341.

3 credit hours.

CM434  Media Law and Ethics
Fall-Spring Semesters
This course examines both the law and ethics of media use as they apply to the concerns of the public relations and media professional. Issues covered include privacy, censorship, defamation, obscenity, access to information, false advertising, and media regulations, among others. Prerequisite: CM206.

3 credit hours.

CM444  Special Topics in Communication
This course involves a study of selected themes and issues in communication, such as gender communication, health communication, and political communication. The specific topics may be suggested by faculty members or students. Students may take this course only once.

3 credit hours.

CM450, CM451  Communication Internship
These courses are planned and supervised work experiences in oral or written communications at selected cooperating firms or organizations. They include supplementary training conferences, reports, and appraisals. Prerequisite: 60 credits completed, 2.5 or higher overall GPA, and departmental approval of each student participant’s individual program.

3 credit hours.

CM498, CM499  Independent Study
These courses provide an opportunity for the student who wishes to undertake a well-defined research project. While the student conducts work under the guidance of a faculty member of his or her own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process. Prerequisite: 60 credits completed and 2.5 or higher overall GPA.

1 - 3 credit hours.

COMPUTER SCIENCE

CS100  CPADS (Computer Science Practice and Design Studio)
Fall Semester
This course introduces basic topics in computing. PC hardware components will be discussed along with assembly of a system. The students will then install several different operating systems and set up a basic network configuration. A team design project will introduce basic programming structures using a simple scripting language.

2 credit hours.
1 lecture hour.
3 laboratory hours.
CS101  Fundamentals of Computer Science I
Spring Semester
This course introduces the fundamental techniques of algorithm design and program construction using procedural constructs. Topics will include problem analysis; algorithm design; and implementation and debugging strategies using good programming practices. The course will cover basic data structures including variables, arrays, strings, records, and pointers; and control structures including decisions, iterations, functions, and file I/O. The course will focus on applications from computer science and engineering using C/C++/C#.

2 credit hours.
1 lecture hour.
3 laboratory hours.

CS201  Fundamentals of Computer Science II
Fall Semester
This course introduces advanced object-oriented constructs such as abstraction, virtual methods, and generic classes. Advanced data structures including arrays, linked lists, queues, stacks, trees, heaps, and hash tables will be discussed both natively as well as through standard template libraries. Fundamental sorting and searching algorithms will be introduced. Basic analytical and proof techniques will be used to characterize the data structures and algorithms discussed. The course will focus on implementing applications from computer science and engineering using languages such as C++/C#/Java. Prerequisite: CS101 with a grade of 2.0 or higher.

4 credit hours.

CS320  Software Engineering and Design
Spring Semester
This course describes the software development process in detail, including the software life cycle and models of software development; requirements analysis and software design techniques, including structured analysis and object-oriented approaches; techniques for software quality assurance, including design reviews, testing, metrics, and an introduction to program verification; and software project planning, organization, and management. Students will be expected to participate in a team-programming project. Prerequisite: CS201 or IFS201 with a grade of 2.0 or higher.

3 credit hours.

CS340  Programming Language Design
Fall Semester
This course examines the semantics of programming languages. Topics include formal specifications of syntax, declarations, binding, allocation, data structures, data types, control structures, control and data flow; the implementation and execution of programs; and functional programming versus imperative programming. Other possible topics include non-procedural and logic programming; object-oriented programming; and program verification. Programming projects will provide experience in a number of computer languages. Prerequisite: CS201 with a grade of 2.0 or higher.

3 credit hours.

CS350  Data Structures
Spring Semester
This course is an in-depth examination of important data structures, their algorithms, and implementation techniques. Both abstract and concrete data structures are discussed including sequences, stacks, queues, maps, sets, graphs, array lists, linked lists, skip lists, search trees, heaps, and hash tables. Students will implement and apply the data structures through a series of programming assignments. Prerequisites: CS201 with a grade of 2.0 or higher.

3 credit hours.

CS360  Analysis of Algorithms
Spring Semester
This course studies fundamental algorithms, strategies for designing algorithms and mathematical tools for analyzing algorithms. Fundamental algorithms studied in this course include graph algorithms; algorithms for sorting and searching; hashing; integer arithmetic; and selected combinatorial tasks. Mathematical tools include asymptotic notations and methods for solving recurrences. Algorithm design strategies include the greedy method, divide-and-conquer, dynamic programming, and randomization. Prerequisites: CS201 and MAT235 with a grade of 2.0 or higher.

3 credit hours.

CS370  Computer Graphics Programming I
Fall Semester
This course introduces the fundamental concepts in computer graphics programming. Topics include color models, basic coordinate transformations and
clipping, raster and vector models, and basic rendering techniques. Additional topics may include texture mapping and ray tracing. Students will demonstrate these topics through projects using a standard graphics API as the programming platform. Prerequisite: CS201 or IFS201 with a grade of 2.0 or higher.

3 credit hours.

**CS420 Operating Systems**  
*Fall Semester*

This course provides an introduction to the fundamentals of operating systems. Topics include interprocess communication, process scheduling, deadlock, memory management, virtual memory, file systems, and distributed systems. Formal principles are illustrated with examples and case studies of one or more contemporary operating systems. Also, students will study a widely used operating system such as Windows or UNIX with an emphasis on system programming for the operating system. Topics include kernel design, the I/O system, scheduling algorithms, process control, interprocess communication, system calls, and memory management. Prerequisite: CS340 or ECE260 with a grade of 2.0 or higher.

3 credit hours.

**CS481 Senior Software Project I**  
*Fall Semester*

Student teams will complete a substantial project provided by sponsors drawn from both industry and research organizations. These projects will be developed under the direction of the course instructor and members of the sponsoring organization. Prerequisite: CS320 with a grade of 2.0 or higher.

3 credit hours.

**CS482 Senior Software Project II**  
*Spring Semester*

This course is an elective course for Computer Science majors. It is a continuation of CS481 (Senior Software Project I). It is also to be taken by the student (or student team) provided the project begun in CS481 is considered to be large enough to warrant two full semesters of project activity. The course instructor and members of the sponsoring organization will determine if this condition is met. The two most likely cases are: projects of a type that have taken two semesters when they have been completed by student-industry teams before, or projects which grow into a larger project as unforeseen positive results in CS481 warrant further investigation into a fruitful area(s) that will take another semester to complete. Prerequisite: CS481.

3 credit hours.

**CS490 Computer Science Internship I**  

This is an elective course for Computer Science majors. In it, the student carries out a planned and supervised work experience in the field of computer science at a selected cooperating firm. The student may undergo supplementary training provided by the firm. The student will be required to submit a final report of the internship experience and will be subject to a final performance appraisal by his/her employer. The program requires approximately 10 hours per week for 12 weeks. Prerequisite: A minimum of 60 credits and cumulative GPA of 2.5.

3 credit hours.

**CS491 Computer Science Internship II**  

This is an elective course for Computer Science majors. In it, the student carries out a planned and supervised work experience in the field of computer science at a selected cooperating firm. The student may undergo supplementary training provided by the firm. The student will be required to submit a final report of the internship experience and will be subject to a final performance appraisal by his/her employer. The program requires approximately 10 hours per week for 12 weeks. Prerequisite: CS490.

3 credit hours.

**CS495, CS496, CS497 Special Topics in Computer Science**
This course is designed to present relevant topics in the rapidly changing computer field. This course will typically be restricted to upper-level computer science majors and offered based on staff availability and student interest.

3 credit hours.

CS498  Independent Study
This course enables a student to carry out undergraduate research or in-depth study in a specialized area of computer science. A faculty member of the student’s choice will advise the work which may or may not have regular class meetings. Effective independent study is characterized by guidance rather than formal instruction by faculty with an increase in student initiative and responsibility for their own learning.

1-3 credit hours.

CRIMINAL JUSTICE

CJA101  Introduction to Criminal Justice
This course is designed to provide students with an understanding of criminal justice as an academic discipline, of the social and historical context of crime and justice in a democracy, and of the administration of America’s criminal justice system.

3 credit hours.

CJA102  Introduction to Security and Asset Protection
An introduction to the theories, history, and contemporary practices involved in asset protection. Coverage includes private investigation and the security service industry. Student preparation for the Certified Protection Officer (CPO) examination will also be included. Prerequisite: CJA101.

3 credit hours.

CJA110  Juvenile Delinquency
This course introduces students to the history and development of the concept of delinquency, nature and extent of delinquency, theories of delinquency, and environmental influences on delinquency. Prerequisite: CJA101.

3 credit hours.

CJA203  Ethical Issues in Criminal Justice
The course introduces students to the foundations of philosophical and moral thinking. These principles are then related to criminal justice settings with cases and readings that focus on professional oriented ethical issues encountered in the administration of justice. Prerequisite: CJA101.

3 credit hours.

CJA230/FCM200  Introduction to Criminalistics
This is the first course in the Forensic Science curriculum and the Criminalistics minor. It is designed as a scientific overview of several areas of forensic science. Some of the areas of study are: history of criminalistics, experts in the field of forensic science, fingerprinting, impression evidence, handwriting analysis, glass analysis, firearms, forensic serology, fire debris, and expert witnesses. Laboratory time is spent analyzing evidence discussed in several of these topics.

3 class periods.
1 three-hour laboratory (CJA231/FCM201).
4 credit hours.

CJA295  Criminal Justice Research Methods I
The course introduces students to research design most useful for the study of criminal justice problems, program evaluation, and policy analysis. The course will focus on the advantages and limitations and the appropriateness of specific methodological approaches. A grade of 2.0 or higher is required. Prerequisite: CJA101.

3 credit hours.

CJA302  Criminal Law
An examination of the general principles of substantive criminal law including the general principles of criminal liability and the elements and defenses to criminal cases. Prerequisite: CJA101.

3 credit hours.

CJA303/WGS303  Gender and Crime
This course examines the variations of punishment and patterns in female criminality vs. male criminality across age, class, and race. This course will also review the strengths and weaknesses of theories of crime as applied to women as victims and offenders and explores the occupational segregation by
gender in criminal justice professions. Prerequisite: CJA101.

3 credit hours.

**CJA304  Legal Standards of Security/Asset Protection**
An examination of federal, state, and local laws, that impact upon the protection of assets and the conduct of investigations. Standards of professional practice, licensing, administrative regulations, civil liability, and law relating to employment practices will be covered. Prerequisite: CJA101.

3 credit hours.

**CJA305  Criminal Investigation**
This course examines the fundamental principles and practices of criminal investigation. Intelligence acquisition, surveillance, interviewing and interrogation, crime scene investigation, physical evidence, and the legal aspects of investigation will be addressed. Prerequisite: CJA101.

3 credit hours.

**CJA310  Victimology**
This course provides students with a global perspective on the study of victimology and an overview of the history, development, and current treatment of crime victims within the criminal justice system. Prerequisite: CJA101.

3 credit hours.

**CJA311  Crime Prevention and Physical Security**
This course involves a comprehensive and critical examination of practices used by business, government, and non-profit organizations to reduce the harm associated with violence, theft, and terrorism. Prerequisite: CJA101.

3 credit hours.

**CJA323  Fire and Explosion Investigation**
Methods of scientific analysis are used in the investigation of fires, bombs, and explosives, bullets and cartridges. Glass and document evidence are also examined. The value of the evidence and its presentation in court are discussed. Prerequisite: CJA230.

3 credit hours.

**CJA334  Policing in America**
A critical examination of the historical development of law enforcement in the United States, policing reforms, the role of law enforcement in a democracy, and current trends and issues. Prerequisite: CJA101.

3 credit hours.

**CJA336  Judicial Process**
This course uses a social science and policy analysis perspective to examine the history and structure of America’s adult courts, the interrelationships between the court system and its social, economic, and political environments, as well as the major participants in the court, the trial process, and sentencing. Prerequisite: CJA101.

3 credit hours.

**CJA337  Punishment and Corrections**
This course reviews and examines the history of criminal punishment, rationales for punishment, correctional reforms, the structure of modern prison systems, community based corrections, intermediate sanctions, and current issues. Prerequisite: CJA101.

3 credit hours.

**CJA341  Criminal Procedure**
A survey and analysis of the procedural process of the criminal justice system as determined by the United States Constitution and United States Supreme Court decisions, along with the remedies available for the violation of these rights. Prerequisite: CJA101.

3 credit hours.

**CJA347  Community-Based Corrections**
An examination of the historical development of the major community-based correctional programs (probation and parole) and intermediate sanctions, the relationship between the community and correctional system, current community correctional programs, including restorative justice, as well as an evaluation of their efficacy utilizing the latest research findings and evaluation studies. Prerequisites: CJA101.

3 credit hours.

**CJA348  Juvenile Justice**
The course focuses on the contemporary juvenile justice system by reviewing and analyzing recent legal cases, research studies, evaluation reports, and public policy initiatives in the field of juvenile justice. Prerequisites: CJA101 and CJA110.

3 credit hours.
CJA349  Comparative Criminal Justice
Examines the incidence of crime, measures of crime, and criminal justice policies and procedures from a comparative perspective. While the primary focus is on a comparison between the United States and other common-law countries, additional countries are also examined. Prerequisites: CJA101 and junior standing.

3 credit hours.

CJA360, CJA361  Experiential Learning in Criminal Justice
This course is designed to provide students with an introduction to the field of criminal justice as a profession. Each student will complete a minimum of 120 hours in an assigned field placement so that he/she can obtain familiarity with one area of the criminal justice field. Students will be expected to reflect critically on their field experience, using their knowledge of theory and policy. Students are limited to a maximum of six credit hours. Each credit hour requires 40 hours of field placement. Prerequisite: An application is required during the semester preceding the academic term in which the student desires to perform the experiential learning; approval of the instructor prior to the beginning of the internship; minimum GPA 2.5; and junior/senior standing. This course is graded on a pass/fail basis.

3 or 6 credit hours.

CJA362/FCM362  Crime Scene Processing
This hands-on course focuses on the proper methods of processing a crime scene to find the physical evidence, protect it, document it, package it, and transport it to the laboratory facility. Scene security, sketching, photography, evidence packaging and fingerprint processing will be covered. Mock crime scenes will also be used as teaching aids. Prerequisite: FCM200/CJA230.

3 credit hours.

CJA364  Policing Communities
This course examines the ways through which police services are delivered to communities. The underlying philosophies guiding police service delivery and specific strategies will be discussed and assessed by examining recent empirical research studies. Attention will be paid to contemporary law enforcement reforms such as community policing, zero-tolerance policing, and problem-oriented policing, and how these reforms are translated into police practice. Prerequisite: CJA101.

3 credit hours.

CJA380  Special Topics in Criminal Justice
An intensive examination of a specialized topic in the field of criminal justice. Topics will vary according to the instructor. May be taken more than once provided the subject matter is not repeated. Maximum of 6 hours of credit.

3 credit hours.

CJA383  White Collar Crime
The course will introduce students to a variety of topics and issues in the white collar crime area. The course will examine types, causes, and the measurement of white collar crime. Specifically, the course will review the debate regarding the definition of white collar crime, overview the costs of the white collar and corporate crime, examine the various theories of white collar criminality, and explore the use of criminal sanctions to address this type of criminality. Prerequisite: CJA101.

3 credit hours.

CJA386  Death Investigation
This course provides students with an understanding of the death investigation process and laws pertaining to death investigation. Various types of death will be discussed, with an emphasis on the death investigator’s role. Prerequisite: CJA101.

3 credit hours.

CJA396  Criminal Justice Statistics
This course reviews appropriate descriptive and inferential statistical techniques for use in criminal justice research. Topics include descriptive statistics as a tool to summarize and describe groups of data, and inferential statistics including parametric and nonparametric hypotheses testing as tools for making inferences about population from samples. Students will be required to use these techniques in the classroom and computer lab when creating and analyzing datasets using SPSS. Prerequisites: CJA101 and CJA295.

3 credit hours.

CJA401  Security Planning and Supervision
This course focuses on the human resource management aspects of security/asset protection. Selection, training, and supervision of protective services
CJA403 Conflict Analysis and Management
This course explores the fundamentals of conflict analysis and its management, settlement, or resolution in a variety of settings, including the administration of justice. Also, the course is designed to develop student skills in the analysis of conflicts using negotiation, mediation, collaborative problem solving, and other processes and techniques. Prerequisites: CJA101 and junior standing.

3 credit hours.

CJA405 Substance Abuse and the Criminal Justice System
The course will explore the nature of the drug-crime relationship and provide an overview of the history and development of drug control policies in America. Prerequisites: CJA101 and junior standing.

3 credit hours.

CJA491 Senior Seminar
This capstone criminal justice course provides students with the opportunity to integrate and synthesize previous coursework in criminal justice. Drawing upon this knowledge, students will be required to engage in significant research, demonstrating proficiency in the use of criminal justice information resources, research methodologies, and statistics. Prerequisites: CJA101, CJA295, CJA396, and 12 additional hours in Criminal Justice.

3 credit hours.

CJA498, CJA499 Independent Study
Independent study or research on a selected subject in criminal justice under the direction of a faculty member with the approval of the program coordinator. Prior to registering for the course, a student must prepare a written proposal and secure an individual faculty member’s approval. Prerequisite: Permission of the instructor and Criminal Justice Coordinator, junior/senior standing, and 12 hours in Criminal Justice.

1-3 credit hours each semester.

ESS152 Earth and Space Science
Fall-Spring Semesters
Earth and Space Science is an introductory laboratory-oriented course that includes a study of the basic principles of geology and astronomy. By using the scientific method, the course covers a study of the earth, the study of the formation of common rocks and minerals, rock classification, mountain building, the structure of the earth, geological processes that create the surface landscape, plate tectonics, geologic and topographic maps, the solar system, planetary motion, the sun and star evolution, the moon and celestial observation. Field trips are part of this course.

2 class periods.
1 three-hour laboratory period (ESS153).
3 credit hours. Satisfies ADR III.

ESS154 Introduction to Astronomy
Spring Semesters, odd-numbered years
This laboratory-oriented introductory course will examine: historical aspects of astronomy; evidence of the origin and evolution of the universe, galaxies, stars, solar system, and earth; space exploration-past, present and future; and a detailed investigation of our solar system with emphasis on the sun, moon and planets. Mathematical computations, computer activities, and field trips to observatories and planetariums are part of this course.

2 class periods.
1 three-hour laboratory period (ESS155).
3 credit hours. Satisfies ADR III.

ESS481, ESS482 Independent Study in Earth Sciences
This course provides an opportunity for in-depth study in a specialized earth science area. This may involve novel research that contributes to the general knowledge of earth science or a review of topics that connects the existing knowledge in a new way. Faculty mentoring will play an integral role in the completion of this course as will the fostering of student responsibility for the learning and research processes. Prerequisites: ESS152, MAT105, PHY110, PHY112, or by instructor’s permission.
ECO200  Principles of Economics (Macro)  
*Fall-Spring Semesters*

The study of aggregate or total economic activity. Topics such as employment, inflation, and production are analyzed in relation to national economic policies. This course is not open to freshmen.

3 credit hours. Satisfies ADR II.

ECO201  Principles of Economics (Micro)  
*Fall-Spring Semesters*

The study of individual decision makers within the economy. Price and output determination is explained by the interaction of supply and demand, the behavior of the firm and the household, and the impact of various market structures. Prerequisite: Completion of ECO200 with a grade of 2.0 or higher. This course is not open to freshmen.

3 credit hours. Satisfies ADR II.

ECO300  Economic Perspectives  
*Fall Semester*

This course is designed to help students to “think like economists.” It puts economics in the context of other social sciences by applying economic analysis to general questions of social organization. The course emphasizes the ongoing evolution of social systems. A variety of topics will be considered in class. There will also be opportunities for students to apply economic analysis to topics of individual interest.

3 credit hours. Satisfies ADR II.

ECO325  Mathematical Economics  

Application of mathematical analysis to economic concepts is presented. Mathematical techniques such as derivatives and linear algebra are utilized. Particular attention is given to static analysis, comparative-static analysis, and optimization problems in economics. Prerequisite: Completion of ECO201 and MAT120 with grades of 2.0 or higher.

3 credit hours.

ECO340  Economic Development  

An examination of the political, social, and economic problems and policy issues of developing countries in achieving adequate economic development. Theories of economic growth and their relevance to current problems such as capital formation, population, growth, inequality, poverty, unemployment, international investment, and international assistance are discussed. Prerequisite: Completion of ECO201 with a grade of 2.0 or higher.

3 credit hours.

ECO350  Intermediate Microeconomics  
*Spring Semester*

The foundations of price theory, including an analysis of consumer and firm behavior, competition and efficiency, factor markets, income distribution, and general equilibrium. Prerequisite: Completion of ECO201 with a grade of 2.0 or higher.

3 credit hours.

ECO360  Intermediate Macroeconomics  
*Fall Semester*

This course expands on the study of national income accounting, price level fluctuations, issues of unemployment, and the impact of monetary and fiscal policies on income level and distribution. Macroeconomic policy targets and policy making are examined in depth. Generations of macroeconomic theory and the leading macroeconomists associated with each are also studied. Prerequisite: Completion of ECO200 with a grade of 2.0 or higher.

3 credit hours.

ECO370  Money and Banking  
*Spring Semester*

An analysis of money and credit and their relation to economic activity and prices; organization, operation, and functions of the commercial banking system; structure, objectives, functions, and instruments of control of the Federal Reserve System; monetary policy and international financial relationships. Prerequisite: Completion of ECO360 and FIN300 with grades of 2.0 or higher.

3 credit hours.

ECO375  History of Economic Thought  

A study of the history of economic thought from the time of Adam Smith to the present. The events and ideas of the great economists are explored in order to understand their convergence to contem-
porary economic crossroads. Prerequisites: Completion of ECO310 and ECO350 with a grade of 2.0 or higher.

3 credit hours.

ECO390  Managerial Economics
Spring Semester
This course is a study of economic principles as they relate to the operations of a modern business. The course is designed as a bridge between the traditional economic theory and the application of microeconomic analysis. Supply and demand analysis, production functions, market structure, and financial forecasting are the topics of emphasis. Prerequisites: completion of FIN300 with a grade of 2.0 or higher.

3 credit hours.

IBS400  International Economics (formerly ECO400)
Spring Semester
A study of factors affecting international trade, including resource allocation, motives for methods of protectionism, foreign exchange and currency valuation, international debt, the role of risk in international trade and finance, and economic growth. Prerequisite: Completion of ECO201 with a grade of 2.0 or higher.

3 credit hours.

ECO450  Economics and Finance Seminar
Spring Semester
Selected readings, discussions, and papers on topics that provide a capstone experience, which will emphasize an integration of the courses taken within the major. Prerequisite: Senior standing in the major.

3 credit hours.

ECO490, ECO491  Economics and Finance Internship
Planned and supervised work experience at selected cooperating firms. Internships require students to meet periodically with a faculty supervisor, provide a written deliverable, and participate in an end-of-internship evaluation. Prerequisite: Junior standing and departmental approval of each student participant’s individual program. The program requires approximately 10 hours per week for 12 weeks. Grading will be pass/fail.

3 credit hours each semester.

ECO492, ECO493  Economics and Finance Internship
Planned and supervised work experience at selected cooperating firms. Internships require students to meet periodically with a faculty supervisor, provide a written deliverable, and participate in an end-of-internship evaluation. Prerequisite: Junior standing and departmental approval of each student participant’s individual program. The program requires approximately 10 hours per week for 12 weeks. Students admitted to the Dual Degree Program must also schedule MBA506 with ECO492 and MBA507 with ECO493 to fulfill the work experience requirement. Grading will be pass/fail.

3 credit hours each semester.

ED200  Instructional Technology
Fall-Spring Semesters
Instructional Technology in education is a basic course in the design, development, selection, utilization, management, and evaluation resources for enhancing the teaching/learning process through the judicious use of technology in the classroom. The term “technology” in this course refers to traditional media (i.e., print materials, overhead transparencies, instructional displays) and to advanced technologies (i.e., laserdiscs, CD-ROM, PDAs, digitized audio/video, telecommunications, etc.). Through lectures, hands-on practice, skill-building activities, small group work sessions, and interdisciplinary projects, participants will integrate these technologies into active learning environments, aimed primarily toward K-12 students.

3 credit hours.

ED221  Introduction to American Education
Fall-Spring Semesters
Emphasizes the role of the school as a societal set-
ting, the functions of schools in a changing society, community and governmental influences upon education, the school as both producer and product of change, and the historical/philosophical influences on the American educational institutions. Relates the teacher’s roles and surveys philosophical influences.

3 credit hours.

ED234  Storytelling Practicum
Fall Semester
This course will introduce the background of storytelling and create an awareness of this art form. Discovering how to find a story to tell, work it, and tell it will provide techniques and strategies that can be used in all areas of communication. The many personal and professional uses for storytelling will be explored, as well as a variety of ways in which to present a story. In addition to learning how to effectively tell a story, students will develop poise, self-confidence, and self-esteem. The course is appropriate for Elementary and Secondary Education majors as well as others who wish to enhance their public speaking skills.

3 credit hours.

ED307    Responding to Emergencies
Fall-Spring Semesters
This course is designed to give the non-professional—whether at work, coaching, or at home—the necessary knowledge to give immediate care to the sick or injured. The course also involves basic anatomy and physiology and an orientation in safety. Nationally recognized certification in First Aid, AED, and CPR will be awarded upon successful completion of the course and the satisfying of the certifying agencies’ requirements.

3 credit hours.

ED309    Principles of Athletic Coaching
Spring Semester
A course designed to supply students with an ethically and educationally sound philosophy underlying the inclusion of competitive athletics in the education program. It is designed to provide a background of psychological and physiological insights to enable the beginning coach to effectively teach individual and group motor skills.

3 credit hours.

ED311    Prevention and Treatment of Athletic Injuries-Level I
Fall Semester
This course is designed to provide the student with insights and skills necessary to handle basic sport injury situations. Course content deals with the prevention and evaluation of common injuries and the basic treatment and management of these injuries.

3 credit hours.

ED370    Psychology of Learning/Elementary Education
Fall-Spring Semester
This course is designed to provide the student who majors in Elementary Education or Elementary/Special Education with an understanding of research-based psychological principles essential for effective teaching and learning. Topics will address theoretical foundations of the learning process and concepts of the developing learner. The influence of factors such as student diversity and individual differences in the ways students learn, achievement motivation, and the impact contextual factors have on learning are also discussed in relation to how these principles should intentionally guide instruction. Prerequisite: PSY100 and PSY221.

3 credit hours.

ED371    Psychology of Learning/Secondary Education
Fall-Spring Semesters
This course is designed to provide students who major in Secondary Education with an understanding of research-based psychological principles essential for effective teaching and learning. Topics will address theoretical foundations of the learning process and concepts of the developing adolescent learner. The influence of factors such as student diversity and individual differences in the ways students learn, achievement motivation, classroom management, and the impact contextual factors have on learning are also discussed in relation to how these principles should intentionally guide instruction. Prerequisite: PSY100.

3 credit hours.

ELEMENTARY EDUCATION

Prerequisite: Pre-Professional Educator Status (PPES). The following courses may not be scheduled until PPES has been attained.
EE300  Teaching Language Arts in Elementary School  
*Fall-Spring Semester*  
Preparation for and practice in teaching communication skills in the elementary school. Potential elementary teachers are provided the essential techniques, strategies, and familiarity with a whole language approach to language/literacy acquisition. An important segment is teacher awareness and appreciation of the role of children’s literature within the curriculum. Prerequisite: PPES.  
*3 credit hours.*

EE301  Foundations of Reading Instruction  
*Fall-Spring Semesters*  
This course provides students with the foundations for teaching reading in the elementary school. Course topics include: early literacy development, approaches to reading instruction, systematic instruction vs. whole language philosophy, vocabulary development, comprehension instruction, content area reading, and instructional adaptations for ethnically diverse and exceptional learners. This course is the foundational course for all other reading courses. Prerequisite: PPES.  
*3 credit hours.*

EE302  Diagnostic and Remedial Reading  
*Fall-Spring Semesters*  
Surveys problems in diagnosing and handling of pupils’ reading difficulties to include appraisal techniques, procedures, and materials for corrective and remedial instruction. Conducting a case study with an individual child will constitute a significant portion of the workload in this course. Prerequisite: PPES and EE301.  
*3 credit hours.*

EE304  Teaching Elementary Social Studies in Elementary School  
*Fall-Spring Semester*  
Preparation for teaching elementary school social studies. Course content deals with recent techniques, development in approaches, methods and materials for teaching social studies. Emphasis is on the utilization of children’s literature in teaching social studies. The course is designed to help potential teachers implement the national social studies standards. Prerequisite: PPES.  
*3 credit hours.*

EE306  Teaching Mathematics in the Elementary School  
*Fall-Spring Semesters*  
Preparation for, and practice in, teaching elementary school mathematics. Potential teachers are provided with the essential strategies that facilitate the development of mathematical concepts in the elementary curriculum. The course includes instructional techniques, assessment, using children’s literature and cooperative grouping through “hands-on” inquiry, process approaches that meet the National Council of Teachers of Mathematics (NCTM) standards. Prerequisite: PPES.  
*3 credit hours.*

EE310  Physical Education/Health in the Elementary Classroom  
*Fall-Spring Semesters*  
This course will provide the elementary classroom teacher with the knowledge and skills necessary to enable each child to achieve and maintain a physically active and healthful life. Course content will include stages of growth and development, understanding of movement concepts and skills, teaching strategies and techniques, and opportunities to apply this knowledge in class projects and activities. Prerequisite: PPES.  
*3 credit hours.*

EE315  Teaching Science in the Elementary School  
*Fall-Spring Semesters*  
Preparation for, and practice in, teaching elementary school science. Emphasis is placed on the inquiry approach and the development of concepts. The course includes instructional techniques, strategies to generate background knowledge, types of questions and tasks that facilitate intrinsic motivation, learning, and achievement; cooperative learning strategies; the use of children’s literature in science; and assessment strategies. The course is designed to help potential teachers implement the national science standards. Prerequisites: PPES.  
*3 credit hours.*

EE316  Teaching Science in the Elementary School  
*Fall-Spring Semesters*  
Preparation for, and practice in, teaching elementary school science. Emphasis is placed on the inquiry approach and the development of concepts. The course includes instructional techniques, strategies to generate background knowledge, types of questions and tasks that facilitate intrinsic motivation, learning, and achievement; cooperative learning strategies; the use of children’s literature in science; and assessment strategies. The course is designed to help potential teachers implement the national science standards. Prerequisites: PPES.  
*3 credit hours.*

EE380  Topics in Children’s Literature  
*Fall-Spring Semesters*  
This course is designed to offer prospective elementary classroom teachers an in-depth analysis of the best in children’s literature, an overview of the qual-
ities of good literature, and demonstrated methods of including literature throughout every subject area. Emphasis will be placed on an overview of the eight genres of literature, the elements of a good book, and the methods and procedures of incorporating literature into the curriculum. Prerequisite: PPES.

3 credit hours.

EE390 Seminar in Curriculum
Fall-Spring Semesters
Designed for elementary teacher candidates. Emphasis will be placed on the most current theories and practices relevant to specific disciplines within the elementary curriculum. These may include (but are not limited to) standards-based education, thematic instruction, current issues in reading and/or multiple intelligences. Prerequisite: PPES.

2-3 credit hours.

EE402 Community and Legal Issues in Education
Fall-Spring Semesters
This course reviews public school structure and organization in terms of the teacher’s numerous roles and relationships. These relationships include parents and community, and various elements in the typical school environment. These include students, peers, support staff, and administration. Students are familiarized with the legal foundations applicable to employment and professional practice within a public school setting. The three major functions of a teacher—to supervise, to keep safe, and to instruct—are examined with focus on the goal of providing an enhanced awareness of “preventative law.” To be taken the academic term prior to the Student Teaching Semester.

3 credit hours.

EE403 Educational Evaluation
Fall-Spring Semesters
This course is an introduction to the principles and procedures underlying effective assessment, evaluation, and measurement of learning. Included will be commercial and teacher-constructed instruments, statistical treatment and interpretation of test scores, and relevant procedures for appraising and reporting student progress. The course will deal with the establishment of cooperative assessment processes and how they can be fully integrated into every aspect of the curriculum. Assessment and evaluation as a decision-making process will also be emphasized. Prerequisite: PPES.

3 credit hours.

EE404 Student Teaching
Fall-Spring Semesters
Under the supervision of college and cooperating staff, the student engages in the actual planning, conducting, and evaluation of classroom learning activities. Focusing upon integration of all aspects of the practicum is an integral part of the course. Prerequisites: Admission to the Student Teaching Semester, successful completion of EE402. $230 fee (subject to change).

10 credit hours.

EE405 Focused Studies in Education
Fall-Spring Semesters
This offering is intended only for Education majors initially scheduled for student teaching. Having not found satisfaction in the student teaching assignment, the student is relieved of these duties to pursue research and activities specifically related to a topic or project approved by the department chair. The student is required to submit tangible evidence of activities and resultant growth for evaluation. Prerequisite: Admission to the Student Teaching Semester and permission of the departmental chair. May be scheduled during the Student Teaching Semester only.

10 credit hours.

EE412 Student Teaching Practicum
Fall-Spring Semesters
A weekly meeting conducted during the Student Teaching Semester. This is required of all student teachers and is designed to focus upon the integration of all aspects of the student teaching experience. Grading is pass/fail only. Prerequisites: Admission to the Student Teaching Semester and permission of the departmental chair. May be scheduled during the Student Teaching Semester only.

1 credit hour.

EE413 Selected Topics in Education
Fall-Spring Semesters
This course focuses on selected critical concerns facing teachers in today’s classrooms. Among the issues addressed are time management and organizational strategies specific to student teaching, working with
special need learners in the regular education environment, critical issues related to student teaching, the pre-employment process, and initial professional practice. Prerequisites: May be scheduled during the Student Teaching Semester only.

1 credit hour.

**EE416 Directed Professional Educational Experience**

**Fall-Spring Semesters**

For students choosing the Alternate Program. The student and supervising instructor create an academic and experiential plan of specific study reflective of a major interest outside of a public classroom setting. A package of content and assignments is designed to explore optional educational career themes. Prerequisites: All coursework required for admittance to the Student Teaching Semester. $230 fee (subject to change).

2 to 8 credit hours.

**EE430 Professional Development**

**Fall-Spring Semesters**

This course is designed for elementary teacher candidates. Emphasis is placed on the most relevant pre-professional issues and concerns facing the beginning teacher. These may include, but are not limited to, the following: personal philosophy of education, cover letter, standard state applications, resume, portfolio, interviewing, pre-employment research, and the job search process.

3 credit hours.

**EE498, EE499 Independent Study**

**Fall-Spring Semesters**

The Independent Study Program affords an opportunity for the student who wishes to undertake a well-defined research project. While the student conducts his work under the guidance of a faculty member of his own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process.

1 to 3 credit hours each semester.

**SECONDARY EDUCATION**

Prerequisite: PPES. The following courses may not be scheduled until PPES has been attained.

**SE310 Student Assistance Seminar**

**Fall-Spring Semesters**

This course will enable pre-service teachers to understand how to utilize a school-based, systematic approach in dealing with complex student issues such as substance abuse and mental health problems. Student Assistance Seminar examines the etiology of problems in adolescence especially as they relate to school failure. Students will understand the purpose of student assistance programs and the value of using a systematic research based approach in removing barriers to learning. The use of professional behavioral observation and reporting will be stressed and the limitations of extending assistance consistent with the current legal framework will be discussed. Students will develop the skills necessary to engage parents and students in productive conversations about non-academic issues. Teaching methodologies employed will include discussion, case study analysis, and simulations.

1 credit hour.

**SE350 The Secondary School Experience**

**Fall-Spring Semester**

The responsibility of teaching, teacher, learning, and learner comes into focus as the educational experiences of the adolescent are studied. Individual and group projects delve into the domain of secondary curriculum. The development and direction of the American secondary school system is investigated through the cooperative efforts of student and teacher. Issues and problems are researched as to their genesis, growth, and influence on today’s classroom. Curricular materials, guides, projects, and approaches are reviewed and then compared to the identified needs of society and the individual. Prerequisite: PPES.

3 credit hours.

**SE351 Teaching Strategies in the Secondary Schools**

**Fall-Spring Semester**

Students and instructor share in the presentation and evaluation of individual mini-lessons. Microteach-
ing techniques are used with videotaping procedures to practice and improve lesson presentation skills. Concentrated efforts are targeted on the development of techniques and methods that best enhance classroom learning. Discussion and group work combine to lend credence to course assignments and to give students direct experience with professional practices. Prerequisites: PPES. (SE350 recommended or permission of the Coordinator of Secondary Education).

3 credit hours.

SE352 Teaching Social Studies in the Secondary School

**Fall Semester**
The focus of this course is to research various social studies course curricula, methodological approaches, and selected topical themes. Consideration is mainstreamed toward investigating the various approaches to the social studies and “how” they might best be integrated into a classroom of secondary students. Prerequisites: PPES, SE350, or permission of Coordinator of Secondary Education. (SE351 recommended.)

3 credit hours.

SE353 Teaching Secondary Communications/English

**Fall Semester**
This course provides preparation for and practice in teaching secondary English. Students prepare and present lesson plans for teaching a variety of skills and appreciations in the English classroom. Areas of concentration include language study (grammar), reading, literature, writing, listening, and speaking. Prerequisites: PPES, SE350, or permission of the Coordinator of Secondary Education. (SE351 recommended.)

3 credit hours.

SE354 Teaching General Science in the Secondary School

**Spring Semester, even-numbered years and Summer Semester, odd-numbered years**
Preparation for, and practice in, teaching general science in the secondary school environment. Recent technology, development in approaches, methods, and appropriate materials for teaching general science are explored. Emphasis is on a laboratory approach to teaching science and on laboratory skills through laboratory activities. Prerequisites: PPES, SE350, or permission by Coordinator of Secondary Education and instructor. (SE351 recommended).

3 credit hours.

SE355 Teaching Mathematics in the Secondary School

**Spring Semester**
Preparation for, and practice in, teaching mathematics in the secondary school. Course content deals with recent techniques, developments in approaches and methods and materials for teaching mathematics. Prerequisites: PPES, SE350, or permission of Coordinator of Secondary Education. (SE351 strongly recommended). Co-requisite: MAT355. These courses should be scheduled within one year of student teaching.

3 credit hours.

SE360 Teaching Reading and Writing in the Content Areas

**Fall-Spring Semesters**
Introduction to strategies and techniques that secondary teachers use to help students understand and appreciate textual information. Since students at the middle/junior-high and high school level frequently require guidance as they attempt to learn and act upon new information, content area teachers have an important role in providing such guidance. Thus, this course prepares future secondary teachers with a wealth of student strategies to be used before, during, and after reading assignments. Prerequisite: PPES. (SE350 strongly recommended or permission by Coordinator of Secondary Education.)

1 credit hour.

SE402 Community and Legal Issues in Education

**Fall-Spring Semesters**
This course reviews public school structure and organization in terms of the teacher’s numerous roles and relationships. These relationships include parents and community, and various elements in the typical school environment. These include students, peers, support staff, and administration. Students are familiarized with the legal foundations applicable to employment and professional practice within a public school setting. The three major functions of a teacher—to supervise, to keep safe, and to instruct—are examined with focus on the goal of providing
an enhanced awareness of “preventative law.” To be taken the academic term prior to the Student Teaching Semester.

3 credit hours.

SE404 Student Teaching
Fall-Spring Semesters
Under the supervision of college and cooperating staff, the student engages in the actual planning, conducting, and evaluation of classroom learning activities. Focusing upon integration of all aspects of the practicum is an integral part of the course. Prerequisites: Admission to the Student Teaching Semester, successful completion of SE402. $230 fee (subject to change).

10 credit hours.

SE405 Focused Studies in Education
Fall-Spring Semesters
This offering is intended only for Education majors initially scheduled for student teaching. Having not found satisfaction in the student teaching assignment, the student is relieved of these duties to pursue research and activities specifically related to a topic or project approved by the department chair. The student is required to submit tangible evidence of activities and resultant growth for evaluation. Prerequisites: Admission to the Student Teaching Semester and permission of the departmental chair. May be scheduled during the Student Teaching Semester only.

10 credit hours.

SE412 Student Teaching Practicum
Fall-Spring Semesters
A weekly meeting conducted during the Student Teaching Semester. This is required of all student teachers and is designed to focus upon the integration of all aspects of the student teaching experience. Grading is pass/fail only. Prerequisites: Admission to the Student Teaching Semester and permission of the departmental chair. May be scheduled during the Student Teaching Semester only.

1 credit hour.

SE413 Selected Topics in Education
Fall-Spring Semesters
This course focuses on selected critical concerns facing teachers in today’s classrooms. Among the issues addressed are time management and organizational strategies specific to student teaching, working with special need learners in the regular education environment, critical issues related to student teaching, the pre-employment process, and initial professional practice. Prerequisite: May be scheduled during the Student Teaching Semester only.

1 credit hour.

SE416 Directed Professional Educational Experience
Fall-Spring Semesters
For students choosing the Alternate Program. The student and supervising instructor create an academic and experiential plan of specific study reflective of a major interest outside of a public classroom setting. A package of content and assignments is designed to explore optional educational career themes. Prerequisites: All coursework required for admittance to the Student Teaching Semester. $230 fee (subject to change).

2 to 8 credit hours.

SE398, SE499 Independent Study
Fall-Spring Semesters
The Independent Study Program affords an opportunity for the student who wishes to undertake a well-defined research project. While the student conducts his/her work under the guidance of a faculty member of his/her own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process.

1 to 3 credit hours each semester.

SPECIAL EDUCATION

SPE205 ADHD and Autism Spectrum Disorder
Fall-Spring Semesters
This course provides an overview of two neurologically based developmental disorders, Attention Deficit Hyperactivity Disorder and Autism Spectrum Disorders. Symptoms, etiology, developmental course, and diagnostic criteria and assessment techniques will be examined in students N-12. Emphasis is placed on major treatment approaches regarding how to create and manage the educational
environment to maximize opportunities for effective academic and behavioral interventions regarding deficits in communication, social competencies, and behavior. A six-hour field experience is required. Prerequisite: PSY227 or PSY100.

3 credit hours.

SPE206 Emotional Support
*Fall-Spring Semesters*
Pre-service educators are provided with knowledge of the symptoms, etiology, diagnostic criteria, and assessment techniques of students N-12 who exhibit severe mental, emotional, and behavioral deficits. Emphasis is placed on moral and social development, analysis of behavior, implementation of a functional behavioral assessment, development of individual educational plans (IEPs), and instructional strategies designed to address the needs of students who are behaviorally challenged, as well as on the role of paraprofessionals and parents as partners. A nine-hour field experience is required. Prerequisite: PSY227 or PSY100.

3 credit hours.

SPE302 Assistive Technology
*Fall-Spring Semesters*
This course provides prospective teachers with an overview of assistive devices that can be implemented in classroom settings for individuals N-12 with communication deficits, visual and hearing impairments, physical challenges, and mild learning disabilities. Emphasis is placed on evaluating the needs of students who are challenged and selecting the appropriate technology that will bypass the disability in the classroom. Students are provided with resources on current devices and are given opportunities to examine and operate actual devices that they will encounter in the classroom. A six-hour field experience is required. Prerequisite: PSY227 or PSY100.

2 credit hours.

SPE303 Mental Retardation
*Fall-Spring Semesters*
This course focuses on identification of types, characteristics, etiology, and assessment of students grades N-12 who are mentally retarded. The course includes selected models of instruction, the role of paraprofessionals, rights and legal issues, development and psychosocial aspects, as well as family considerations. This course has a 10-hour special education field experience requirement. Prerequisite: PSY227 or PSY100.

3 credit hours.

SPE333 Assessment/Instructional Design: Specific Learning Disabilities
*Fall-Spring Semesters*
This is a core course in Special Education. It will examine a heterogeneous group of disabilities manifested by significant difficulties in acquisition and use of listening, speaking, reading, writing, reasoning, or mathematical abilities due to central nervous system dysfunction in students N-12. Content will focus on (a) the formal diagnostic process, (b) the assessment-teaching process using the clinical teaching model, (c) development and implementation of individual education plans (IEPs) and goals, (d) instructional strategies, and (e) various support services, partners, and delivery systems available. A 10-hour field experience is required. Prerequisites: PSY227 or PSY100.

3 credit hours.

SPE338 Assessment and Instructional Design: Mild, Moderate, and Severe Disabilities
*Fall-Spring Semesters*
This core course in Special Education will examine methods of informal and formal assessment and instructional design for students N-12 who are diagnosed with a range of disabilities. Emphasis will be placed on development of Individual Education Plans (IEPs) for students with developmental delays, sensory impairments, orthopedic impairments, traumatic brain injury, other health impairments, and multiple disabilities. A 10-hour field experience is required. Prerequisite: SPE333.

3 credit hours.

SPE340 Behavioral Design/Intervention and Classroom Management
*Fall-Spring Semesters*
This course is designed primarily for junior- and senior-level students. Several theoretical models of behavior management are critically examined with a focus on (a) maximizing opportunities for effective communication and interaction with students who have behavioral challenges, (b) facilitating collaborative partnerships with students’ families...
and the educational team, (c) cultivating a motivating and safe psychological and physical classroom environment, (d) assessing and analyzing the functions of behavior by implementing an FBA, (e) designing an individual behavior support plan and a proactive class-wide behavior management plan. A semester-long nine-hour field experience is required. Prerequisites: PSY100 or PSY327. (PPES status and SPE333 recommended for Education majors.)

3 credit hours.

**SPE351 Transitions in Special Education**  
*Fall-Spring Semesters*

Pre-service teachers are provided with skills necessary to facilitate the many transitions students N-12 make throughout their school years and continue to make through post-secondary options. Specific transitions of focus include pre-school to kindergarten; kindergarten to grade one; grade transitions through elementary, middle, and high school; and transitions to the world of work and/or college. This course will examine legal aspects of transitions, the role of transition coordinators, and the availability and services provided by outside agencies. No field experience is required. Prerequisites: PSY227 or PSY100.

3 credit hours.

**SPE364 Educational Assessment**  
*Fall-Spring Semesters*

This course provides an overview of basic principles of formal and informal assessments that are commonly encountered by teachers in educational settings. The first part of this course focuses on validity, reliability, measures of central tendency and variation, as well as test development with the goal of providing a basis for understanding specific test data and materials. The second part of the course addresses specific measures of assessment such as the Wechsler’s Intelligence Scale, Woodcock Johnson, Key Math Test, and curriculum-based assessment. Prerequisites: PSY227 or PSY100.

3 credit hours.

**SPE404 Student Teaching in Special Education**  
*Fall-Spring Semesters*

Under the supervision of college and cooperating staff, the student majoring in the Elementary/Special Education Dual Certification Program engages in on-site planning, teaching, and evaluating classroom learning activities in a special education setting or settings. Focus on the integration of all aspects of the practicum is an integral part of this course. Prerequisites: Admission to Student Teaching Semester, successful completion of EE402, EE404, EE412, and EE413. Co-requisites: SPE412 and SPE451. **This course is full-time by appointment during the semester after completion of the Student Teaching Semester in Elementary Education.**

10 credit hours.

**SPE405 Focused Studies in Education**  
*Fall-Spring Semesters*

This offering is intended only for Education majors initially scheduled for student teaching. Having not found satisfaction in the student teaching assignment, the student is relieved of these duties to pursue research and activities specifically related to a topic or project approved by the department chair. The student is required to submit tangible evidence of activities and resultant growth for evaluation. Prerequisites: Admission to the Student Teaching Semester and permission of the department chair. May be scheduled during the Student Teaching Semester only.

2 to 10 credit hours.

**SPE412 Student Teaching Practicum in Special Education**  
*Fall-Spring Semesters*

One class period weekly is conducted during the second Student Teaching Semester required of all student teachers majoring in the Elementary/Special Education Dual Certification Program. The course is designed to focus upon the integration of all aspects of the student teaching experience in special education. Co-requisites: SPE451 and SPE416.

1 credit hour.

**SPE416 Directed Professional Educational Experience**  
*Fall-Spring Semesters*

For students choosing the Alternate Program. The student and supervising instructor create an academic and experiential plan of specific study reflective of a major interest outside of a public classroom setting. A package of content and assignments is designed to explore optional educational career themes. Prerequisites: All coursework required for admittance
to the Student Teaching Semester. $230 fee (subject to change).

2 to 10 credit hours.

SPE451 Analysis and Design of Instruction: Senior Seminar
Fall-Spring Semesters
Students majoring in the Elementary/Special Education Dual Certification Program enroll in this course during their second professional semester of student teaching. The goal is designed to synthesize the relevant research on instructional design for maximum student achievement. Students will learn to identify effective teaching principles based upon their critical analysis of empirical research. An in-depth review of 10 areas of research on effective and differentiated teaching will facilitate reflective decision-making, allowing prospective teachers to bridge the gaps between research and practice. Co-requisites: SPE412 and SPE416.

1 credit hour.

ENGINEERING

EGR100 EPADS I
Fall Semester
This course has two concurrent parts. First, students are introduced to engineering design, team development, problem-solving, and a team design project, which requires the students to create, design, and build simple electro-mechanical devices that perform specific functions subject to defined constraints. Second, students develop engineering skills, including how to create solid models (using software such as SolidWorks™), how to program a microprocessor-driven application (using software such as RoboLab™), and how to design and build simple sensors to control an application and enable it to interact with its environment.

2 credit hours.
6 laboratory hours.

EGR102 EPADS II
Spring Semester
Students work in teams and undertake a client-oriented project to learn the design process by creating, designing, and building an apparatus. Students are introduced to project specification, idea formation, conceptual and detailed design, analysis, documentation, fabrication, and testing. Students practice written and oral communication. Concurrently, students learn manufacturing processes, such as welding, brazing, turning, milling, and grinding, to fabricate components in the shop. Students also learn to breadboard electrical circuits that interface with a microcontroller and sensors to control actuators, such as electrical motors. Prerequisite: 2.0 or higher in EGR100.

2 credit hours.
6 laboratory hours.

EGR240 Mathematical Methods in Engineering
Spring Semester
This course covers topics of applied mathematics that build upon differential and integral calculus and that are particularly relevant to engineering majors. These topics include: Complex Numbers, Linear Algebra, Vector Calculus, Fourier Series and Transforms, and Special Functions. Prerequisite: 2.0 or higher in MAT172.

3 credit hours.

EGR290 Engineering Career Training Preparation
Spring Semester
This one-credit-hour seminar prepares students for their first co-op work assignment. Activities may include industrial field trips to meet with York College co-op students who give tours and presentations of their engineering experiences. Senior engineering students who have finished their three co-op terms may be invited to present and discuss their experiences in a formal panel discussion. Guest speakers from industry, including an engineering co-op mentor and human resource manager, may be invited to discuss topics related to the real world of engineering work. Exercises may include role playing and situational ethics. Grading is pass/fail only.

1 credit hour.

EGR305 Statistical Design and Process Control
Summer Semester
This course involves the use of statistical methods for improving the design of products and processes,
for determining the capability of processes to meet product design requirements, and for controlling processes to assure product quality. Topics include: random variation, induction and deduction; probability and statistics related to sampling distributions; hypothesis testing; one-, two-, and three-way analysis of variance; full and fractional factorial design of experiments; Taguchi designs; response surfaces; evolutionary operations (EVOP); statistical process control; and process capability analysis. Lectures are supplemented with statistical experiments and team activities that are related to statistical design.

3 credit hours.

EGR342  System Modeling and Analysis
Fall Semester
This course uses analogies to introduce modeling of basic mechanical and electrical systems including static and dynamic equilibrium force analyses, vibration, elasticity, fluid mechanics, heat transfer, and simple electric circuits. Topics covered include: methods of linear approximation; lumped, integral, and differential models; free and forced responses of first and second-order systems; steady-state frequency response and Bode plots; filtering; resonance; damping; dynamic stability analysis; and multiple degree-of-freedom systems. Prerequisite: 2.0 or higher in ECE280.

3 credit hours.

EGR392  Automatic Control
Summer Semester
This course introduces fundamental principles and applications of automatic control of linear, time-invariant systems. Topics include: formulation and solution of equations of motion, controller design using root locus and frequency domain techniques, performance, stability, and compensation. Computer simulations are emphasized. Concepts in state space modeling of systems are introduced. Prerequisite: 2.0 or higher in EGR342.

3 credit hours.

EGR442  Applied Control
Spring Semester
This course introduces fundamental principles and applications of applied control. Analytical techniques in digital control, such as discrete system analysis and sampled data systems, are covered. Other topics include: design using transform and state-space methods and adaptive control. The laboratory is dedicated to applications, including the tuning of proportional, integral, and differential (PID) control parameters as often encountered in industrial projects. Prerequisite: 2.0 or higher in EGR392.

3 credit hours.
2 lecture hours.
3 laboratory hours.

EGR446  Automated Manufacturing Systems
Summer Semester
This course introduces the student to the fundamental elements of automated systems, e.g., manipulation, machine vision, and robotics. The students are introduced to the kinematics of robots, their basic dynamics, and their control. The integration of robots with machine vision for navigation and task coordination is also discussed and various applications studied. Communication technology commonly applied in automation is introduced. Prerequisite: 2.0 or higher in EGR392.

3 credit hours.

EGR490  Social, Ethical and Professional Issues in Engineering
Summer Semester
This course examines current social issues, professional practices, and ethical considerations relevant to engineers. Case studies are used to illustrate the potential impact of proper and improper professional practices as well as the difficulties involved in weighing ethical considerations and making ethical decisions. Local, regional, and global issues involving engineering and technology are also discussed, in particular with respect to the impact of engineering and technology on social and economic policy.

3 credit hours.

EGR491  Engineering Cooperative Work Experience (Co-op I)
All Semesters
Co-op is a graduation requirement for all Engineering students. The student spends a total of three semester terms plus interim periods (48 weeks or more) employed in an industrial organization or enterprise performing engineering-related work. Beginning with the summer term after the student’s sophomore year, he or she alternates work semesters with academic se-
mesters until the spring semester of the senior year. Co-op employment is coordinated and monitored by the participating faculty member and the industrial mentor. Co-op reports are approved and signed by all three parties. Prerequisite: EGR290.

2 credit hours.

EGR492 Engineering Cooperative Work Experience (Co-op II)
All Semesters
See description for EGR491. Prerequisite: EGR491.

2 credit hours.

EGR493 Engineering Cooperative Work Experience (Co-op III)
All Semesters
See description for EGR491. Prerequisite: EGR492.

2 credit hours.

ELECTRICAL AND COMPUTER ENGINEERING

ECE220 Design and Analysis of Digital Circuits
Spring Semester
This course focuses on fundamentals in the analysis and design of digital circuits. Boolean algebra, gate-logic, combinational and sequential gates, and related logic networks, such as encoders, multiplexers, registers, counters, timers, and comparators, are introduced. Synchronous and asynchronous circuits are studied. Open-collector, tri-state, and programmable logic devices are introduced. Popular logic families and interfacing issues between digital and analog systems are studied. A/D and D/A conversion techniques are examined. The laboratory focuses on the design, analysis, and verification of digital systems. Prerequisite: 2.0 or higher in CS101.

4 credit hours.
3 lecture hours.
3 laboratory hours.

ECE235 Computations in Discrete Mathematics
Spring Semester
This course introduces the student to computational techniques and problems associated with the broad field of discrete mathematics. Topics, problems, and examples will be drawn from the fields of computer science, electrical and computer engineering, and mathematics. Prerequisite: 2.0 or higher in CS101.

1 credit hour.
3 laboratory hours.

ECE260 Fundamentals of Computer Engineering
Spring Semester
An introduction to the design and operation of digital computers, including information representation, logic design, integrated circuits, register transfer description, basic computer organization and machine-level programming. The relationship between software and hardware is stressed. Topics include: fundamentals of computer architecture, computer arithmetic and digital logic, memory system organization and architecture, interfacing and communication, device subsystems, machine level representation of data, assembly level machine organization, functional organization, multiprocessing, and alternative architectures. Prerequisite: 2.0 or higher in both CS201, ECE220.

4 credit hours.
3 lecture hours.
3 laboratory hours.

ECE270 Waves and Optics
Spring Semester
This course introduces fundamental knowledge in the physics of waves and its contrast to the physics of particles. Topics include: free, forced and damped oscillation; transverse and longitudinal waves; standing and traveling waves; superposition and interference; reflection and images; and diffraction and refraction. Particular phenomena related to sound waves, electromagnetic waves, photons and matter waves, and quantum mechanical waves are also discussed. Prerequisite: 2.0 or higher in PHY260.

3 credit hours.

ECE280 Fundamentals of Electrical Engineering
Spring Semester
This course covers topics in AC and DC linear circuit analysis including Kirchhoff’s Laws, voltage and current division, nodal and mesh analyses, superposition, equivalent circuits and power, and the role of circuit components such as dependent and independent sources, operational amplifiers, resis-
 tors, capacitors, and inductors. Steady-state AC circuit topics such as phasors, impedance, frequency response, filtering, damping, resonance, and power are covered. The transient responses of 1st- and 2nd-order systems are examined. Magnetic circuits are introduced. Applications of diodes and transistors, as switches, are discussed. Related experiments are integrated throughout the course. Prerequisite: 2.0 or higher in PHY260.

4 credit hours.
3 lecture hours.
3 laboratory hours.

ECE310 Design and Analysis of Analog Circuits
Fall Semester
This course focuses on fundamentals of the analysis and design of analog circuits. Diodes and transistors, including LEDs, BJTs, FETs, and other related circuit technologies, and their equivalent circuits and frequency-dependent impedance characteristics are studied thoroughly. Their roles in switching, isolation, amplification, and other signal processing circuits are examined in detail. Operational amplifiers and related topics such as feedback, stability, gain-bandwidth product, compensation, active filters, and oscillators are studied. Fourier’s Theorem, high frequency amplifiers, and modulation/demodulation are also studied. Noise reduction techniques are introduced as appropriate. Prerequisite: 2.0 or higher in ECE280.

4 credit hours.
3 lecture hours.
3 laboratory hours.

ECE332 Introduction to Signal Processing
Fall Semester
This course introduces system-level analysis tools for analyzing system performance based on the continuous and discrete Fourier transform. Focusing primarily on digital systems, the course covers analog-digital conversion, digital systems, the z-transform, discrete Fourier transform, as well as filter design and analysis. The laboratory component is application-focused where a Digital Signal Processing (DSP) chip is used to implement signal processing solutions to real-world problems. Prerequisite: 2.0 or higher in ECE280.

4 credit hours.
3 lecture hours.

ECE340 Random Signals
Summer Semester
This course introduces the student to probability and statistics and applies these concepts to the design and analysis of engineering systems, which inherently have noise (random components to their signals). Topics include the axioms of probability, functions of one and two random variables, moments and conditional statistics, correlation and autocorrelation functions, sequences of random variables, and commonly encountered probability distribution/density functions. Applications are primarily focused on Gaussian and Markov processes, matched filters, Wiener filters, mean square estimation, and parameter estimation. Prerequisite: 2.0 or higher in ECE332.

3 credit hours.

ECE350 Electromagnetic Fields
Summer Semester
This course introduces Maxwell’s equations and their applications to engineering problems. Topics covered include electrostatics, magnetostatics, magnetic fields and matter, induction, and electromagnetic waves. The reflection, transmission, and propagation of waves are studied. Applications to waveguides, transmission lines, radiation, and antennas are introduced as time permits. Prerequisites: 2.0 or higher in both ECE270, EGR240.

3 credit hours.

ECE360 Power Systems
Spring Semester
This course covers transmission line parameter estimation, power flow in networks, distributed systems, load, and power quality. Students study synchronous generators and transformers in power systems. The course also covers voltage regulation, transient and dynamic stability in power systems. Students employ simulation tools such as MATLAB/Simulink, PSCAD-EMTDC, and PowerWorld to visualize related problems. Finally, this course covers energy sources such as hydro power, fossil-fuel based power plant, nuclear energy, renewable energy, and their consequences for our society. Prerequisites: 2.0 or higher in both ECE280 and EGR240.

3 credit hours.
ECE370  Microprocessor System Design

*Summer Semester*

This course discusses more advanced concepts in microprocessor architecture, programming, and interfacing. Speculative and out-of-order design techniques and theory are presented, as are concepts of locality, data transfer, and communication. A low-level programming language is introduced as well as high- and low-level programming tasks. Interfacing issues between power circuits and microprocessors are introduced as well as techniques for data conversion. Prerequisites: 2.0 or higher in both ECE220 and ECE260.

3 credit hours.

2 lecture hours.

3 laboratory hours.

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ECE380  Communication Networks

*Summer Semester*

This course introduces the fundamental concepts of analog and digital communication networks and examines applications associated with optical and wireless communications. Using an information theory approach, computer network interconnections are analyzed in terms of efficiency and accuracy. Topics include: communication network architecture; protocols, flow control, and routing; local and wide area networks; voice and data communications; data security and integrity; performance evaluation; source and channel coding; compression and decompression technology. Prerequisite: 2.0 or higher in ECE332.

3 credit hours.

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ECE400  Capstone Design I

*Summer Semester*

Engineering seniors, operating in design teams, apply principles of the design process to create a product or process to meet the needs of a customer. Projects may originate in industry, as a contest sponsored by a professional society, or in other venues. The design team, with the guidance of a faculty advisor, must plan, direct, conduct, and effectively communicate the results of the design effort through a professional engineering report and oral presentation. The design project will include material within and beyond the curriculum as well as technical and non-technical considerations. Design projects often result in a deliverable prototype. Prerequisites: 2.0 or higher in all of ECE260, ECE310, ECE332.

3 credit hours.

1 lecture hour.

6 laboratory hours.

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ECE402  Capstone Design II

*Spring Semester*

This course is a continuation of ECE400. Prerequisite: 2.0 or higher in ECE400.

3 credit hours.

1 lecture hour.

6 laboratory hours.

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ECE410  Power Electronics

*Summer Semester*

Power electronics is the application of electronic circuits to energy conversion. This course discusses modeling, design, analysis, and control of DC/DC converters, AC/DC rectifiers, DC/AC inverters, AC/AC cycloconverters, and switch-mode power supplies. Power electronics applications in motor drives, uninterruptible power supplies, and power systems are also discussed. Other applications include high-efficiency energy conversion, process control and automation, vehicular power systems, and renewable energy systems. Software and hardware are used in the lab to design and analyze power electronics circuits in real time. Prerequisite: 2.0 or higher in ECE310.

3 credit hours.

2 lecture hours.

3 laboratory hours.

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ECE420  Embedded System Design

*Spring Semester*

This course emphasizes methods for designing real-time software and choosing hardware for embedded computers. Relevant theory and background from real-time systems and control engineering will be covered in the lectures, including event-based and clock-based sampling, switching control, and interrupt and scheduling techniques. Basic microcontroller, sensor, and actuator technologies will be reviewed. In the laboratory, students use tools for simulation and automatic code generation to design and build a safe, reliable, and robust embedded system. Prerequisite: 2.0 or higher in both CS420 and ECE370.

3 credit hours.
ECE430  Communication Systems  
**Spring Semester**  
This course explores the analysis and design of communication systems using noisy communication channels. Topics include characterization of the channel, analysis of noise and its effect on information transmission, pulse shaping, sampling, modulation and mixing. Applications include analysis of bit error rate for different modulations, Phase Shift Keying, Frequency Shift Keying, and multiplexed systems as they are used in modern communication systems. Prerequisites: 2.0 or higher in both ECE340 and ECE380.  
3 credit hours.  
2 lecture hours.  
3 laboratory hours.  

ECE450  Principles of VLSI  
**Summer Semester**  
This course discusses the theory and design of digital systems at the transistor level. Beginning with the characteristics of the static CMOS inverter, this course explores alternative design techniques such as dynamic logic and NMOS design. Having established a basis for discussion, the topics of circuit delay and power consumption are introduced, with an emphasis on the problems facing modern VLSI designers, and thus the entire semiconductor industry. Finally, the course discusses the relative importance of VLSI techniques in larger scale designs, including the architectural impact of the underlying circuits. Prerequisite: 2.0 or higher in ECE220.  
3 credit hours.  

ECE454  From Verilog to Verification: Modern Computer-Aided Design  
**Summer Semester**  
This course is an introduction to modern computer-aided design ("CAD") of digital systems. The topics covered in this course are a combination of three areas: (1) optimization algorithms, (2) digital design, and (3) software tools and applications. It is suitable for students with a range of interests: from those more interested in applied theory and algorithms to those more interested in digital design. The course systematically covers some of the major automated steps used in modern CAD tools, starting from a user’s high-level architectural specification for an entire digital system, down to the optimized creation of low-level hardware. Prerequisite: 2.0 or higher in ECE370.  
3 credit hours.  

ECE470, 472, 474, 476, 478  Special Topics in Electrical Engineering  
These courses allow for upper-division elective courses to be offered on selected topics of interest or need to the students. These courses are normally restricted to upper-level Engineering students and are offered when possible based upon the availability of instructors and other necessary resources.  
3 credit hours.  

ECE480  Independent Study  
This course enables a student to carry out research or in-depth study in a specialized area of electrical or computer engineering. The student carries out work under the guidance of a selected faculty member. Regular class meetings may or may not occur as part of this work. Effective independent study is characterized by a reduction in formal instruction by faculty and an increase in student initiative and responsibility in the learning process. Prerequisite: Must have completed 60 credits and minimum 2.5 GPA.  
3-6 credit hours.  

ECE482  Independent Study  
See description for ECE480.  
3 credit hours.  

MECHANICAL ENGINEERING  

ME250  Statics  
**Fall and Summer Semesters**  
The course emphasizes the proper utilization of vector algebra and free body diagrams to solve problems in engineering statics. Vectors are used to describe the action of forces and moments acting on particles (point masses) and rigid bodies, which are fixed in space or undergoing uniform motion. The course begins with a description of how the topic of Statics fits into the broad picture of the engineering curriculum, and more particularly, the area known as engineering mechanics. The course then moves into six major areas of study: (1) vector algebra of forces and moments, (2) free body diagrams and equilibria of particles and rigid bodies, (3) centroids and centers of gravity, (4) internal forces in trusses and frames,
(5) friction and applications to machines, and (6) moments of inertia. The course may also include a team project involving the design, build and test (to failure) of a load-supporting structure subject to a given set of design constraints. Prerequisites: 2.0 or higher in both MAT172 and PHY160.

3 credit hours.
2 lecture hours.
3 laboratory hours.

ME252  Dynamics and Vibration
Spring Semester
The course emphasizes the proper utilization of vector algebra and free body diagrams to solve problems in engineering dynamics. Vectors are used to describe the action of forces and moments acting on particles (point masses) and rigid bodies and to determine their resulting motion. The course begins with a description of how the topic of Dynamics and Vibration fits into the broad picture of the engineering curriculum, and more particularly, the area known as engineering mechanics. The course then moves into five major areas of study: (1) dynamics of a particle, (2) dynamics of particle systems, (3) planar kinematics of rigid bodies, (4) planar kinetics of rigid bodies, and (5) vibrations of a particle. The course includes laboratory work and use of computer software to model dynamic systems. The course may also include building and testing a dynamical system, the operation of which must meet a set of desired specifications. A written project report is required and evaluated. Prerequisites: 2.0 or higher in both ME250 and MAT272.

4 credit hours.
3 lecture hours.
3 laboratory hours.

ME260  Materials Science
Fall Semester
This course investigates the relationships that exist between the microstructure (atomic arrangements, crystal structure, defect distribution, phase composition) of engineering materials and their physical (mechanical, electrical, optical) properties. Each class of materials—metals, ceramics, semiconductors, polymers—is discussed in this context. Topics include atomic structure and packing, crystallography, defects and dislocations, phase equilibria and the kinetics of solid-state reactions, alloys, ceramics and glasses, polymers, composites, corrosion, and the selection of engineering materials for specific applications. Prerequisites: 2.0 or higher in CHM134. Corequisite: ME261.

3 credit hours.

ME261  Materials Science Laboratory
Fall Semester
This is a laboratory course that accompanies Materials Science (ME260). This course includes experiments in brittle/ductile fracture, creep, phase diagrams, metallography, Weibull distributions, and corrosion. Corequisite: ME260.

1 credit hour.
3 laboratory hours.

ME264  Strength of Materials
Spring Semester
Students in Strength of Materials learn to calculate the stresses and deformations in beams, shafts, and other mechanical components subjected to various loads. We begin with the concepts of loads, displacements, stresses, strains, and deformations in solids. From there, topics of study include the laws of elasticity, properties of engineering materials, analysis and design of bar-type members subject to axial loading, torsion, bending, shear, and combined loading, the principle of superposition, pressure vessels, Mohr’s circle, and deflection in beams. Prerequisite: 2.0 or higher in ME250.

3 credit hours.

ME265  Materials and Solids Laboratory
Spring Semester
Students in the Materials and Solids Laboratory conduct experiments demonstrating the mechanical behavior of engineering materials. Experiments may emphasize statistical experiment design, fundamental concepts in strength of materials, the use of instrumentation such as strain gauges, LVDTs, or accelerometers, or other topics. Communication skills including laboratory report writing and/or oral presentations are emphasized in this class. Corequisite: ME264.

1 credit hour.
3 laboratory hours.

ME320  Thermodynamics
Spring Semester
This course has two primary objectives. The first is to demonstrate how solids, liquids, and gases are
characterized in engineering processes. The second is to develop and apply the fundamental laws that govern engineering processes involving energy transfer, heat, and work. The course begins by examining the properties needed to describe solids, liquids, and gases. Next, the concepts of work, heat transfer, and energy are introduced. These concepts then lead to the development of the fundamental laws used for analysis of thermodynamic systems including conservation of mass, energy, and entropy. The course concludes by applying these fundamental laws to study several important thermodynamic devices including power plants, internal combustion engines, air conditioning/refrigeration systems, and heat pumps. Prerequisite: 2.0 or higher in MAT272.

4 credit hours.
3 lecture hours.
3 laboratory hours.

ME351 Instrumentation and Microprocessor Laboratory
Fall Semester
This laboratory provides students with training and hands-on exposure to electrical and electro-mechanical devices including various sensors, actuators, and instrumentation used in electrical and mechanical applications. The use of microprocessors to interface with and control these devices will be covered. More advanced electrical components will be covered including diodes, operational amplifiers, and transistors. The course will consist of weekly laboratory experiments along with one or more design projects. Prerequisite: 2.0 or higher in ECE280.

1 credit hour.
3 laboratory hours.

ME360 Fluid Mechanics
Summer Semester
This course serves as an introduction to fluid mechanics. In previous courses the basic laws for solids have been developed and implemented. The intent of this course is to formulate and apply analogous laws for fluids. The initial portion of the class focuses on defining a fluid and its properties. This is followed by an analysis of fluids at rest (hydrostatics) and the forces they impart on mechanical objects such as dams. The final portion of the class covers fluids in motion. A variety of analysis techniques are covered. These methods include control volume analysis, differential analysis, and dimensional analysis. Once developed, these analysis techniques are used to investigate a range of fluid dynamics problems such as the flow within piping systems, external aerodynamic drag forces, and the selection, operation, and performance of pumps. Prerequisites: 2.0 or higher in MAT272, ME250, ME320.

3 credit hours.

ME361 Thermo/Fluids Experiments
Summer Semester
The main intent of this course is to supplement and enhance the material taught in Thermodynamics (ME320) and Fluid Mechanics (ME360) via hands-on laboratory experiments. Additionally, this course is designed to (1) provide experience with the setup, calibration, and execution of experiments; (2) demonstrate the important aspects of data analysis and evaluation; and (3) give experience designing and conducting experiments. The course is split into two parts. In the first part students conduct a series of experiments designed to demonstrate thermo-fluid principles. A wide range of state-of-the-art laboratory facilities are available for these experiments. In the second part, students, working in teams, are required to design, construct, and execute an experiment of their own. Formal laboratory reports are required and technical writing is emphasized. Corequisite: ME360.

1 credit hour.
3 laboratory hours.

ME380 Machine Design
Summer Semester
Students in Machine Design investigate theories of failure of machine components, and thus learn to analyze and design components to predict and avoid failure. Students will investigate static loading, fatigue loading, surface loading, and their associated modes of failure. Specific component types, such as fasteners, springs, bearings, gears, brakes, and shafts will be covered. Prerequisites: 2.0 or higher in ME252 and ME264.

4 credit hours.
3 lecture hours.
3 laboratory hours.

ME400 Capstone Design I
Summer Semester
Engineering students, operating in design teams, apply principles of the design process to create a
product or process to meet the needs of a customer. Projects may originate from industry, as a contest sponsored by a professional society, or other venues. The design team, with the guidance of a faculty advisor, must plan, direct, conduct, and effectively communicate the results of the design effort through a professional engineering report and/or presentation. The design project will include material within and beyond the curriculum as well as technical and non-technical considerations. Design projects often result in a deliverable prototype. Prerequisites: 2.0 or higher in EGR342, ME351, ME360. Corequisites: ME260 and ME380.

3 credit hours.
1 lecture hour.
6 laboratory hours.

ME402  Capstone Design II
Spring Semester
This course is a continuation of ME400. Prerequisite: 2.0 or higher in ME400.

3 credit hours.
1 lecture hour.
6 laboratory hours.

ME410  Heat Transfer
Spring Semester
This course examines the fundamental modes by which heat is transferred, namely conduction, convection, and radiation. The theory behind each of these heat transfer modes is presented and then applied to the design and analysis of practical engineering problems and devices. Exposure is provided to open-ended problem solving using analytical, empirical, and computational solution methods. Mathematical treatment of partial differential equations, including both analytical and computational solutions, is covered. Prerequisites: 2.0 or higher in EGR240, ME360.

4 Credit hours. (Note: Credit change from 3 to 4 takes effect in Spring 2011)

ME411  Thermal System Design
Spring Semester
The primary objective of this course is to provide design experience in problems involving thermal systems. In this course students, working in groups, apply the principles developed in thermodynamics, fluid mechanics, and heat transfer to the solution of open-ended design problems. Deliverables may include periodic design reports, formal design reviews, and design verification through prototyping. Corequisite: ME410.

2 credit hours.
6 laboratory hours.

ME420  Advanced Thermodynamics
In this course the fundamental laws developed in ME320 (Thermodynamics) will be used to study, analyze, and design practical engineering devices. The course will focus primarily on power plants, heating and air conditioning systems, and internal combustion engines. To support analysis of these devices, new topics in the areas of combustion, air-water vapor mixtures, and advanced engineering cycles will be introduced. If time permits, an introduction to the behavior of substances at high velocities (near or above the speed of sound) will also be covered. Prerequisite: 2.0 or higher in ME320.

3 credit hours.
2 lecture hours.
3 laboratory hours.

ME422  Robotics
The field of robotics is concerned with the art and science of designing electromechanical systems to assist or substitute for human endeavor. Typically, a robot has four fundamental capabilities: manipulation, locomotion, perception, and intelligence. This course touches on all four of these areas. Topics include spatial transformations, inverse kinematics, differential motions, dynamic force analysis, trajectory generation, actuation, sensing, machine vision, and fuzzy logic. Prerequisites: 2.0 or higher in both ME252 and ME340.

3 credit hours.
2 lecture hours.
3 laboratory hours.

ME440  Mechanics of Machinery
In this course students learn to design machinery to produce specific mechanical motions, velocities, and other operations, through the study of kinematics. Specific topics in kinematics include linkage synthesis, position, velocity and acceleration analysis, and cam design. Prerequisite: 2.0 or higher in ME252.

3 credit hours.
2 lecture hours.
3 laboratory hours.
ME450  Finite Element Analysis
The finite element method is a numerical procedure for solving problems in continuum mechanics with an accuracy acceptable to engineers. Problems in stress analysis, heat transfer, fluid flow, electric fields, and other areas can be solved by finite element analysis. This course emphasizes stress analysis and structural mechanics although problems from other fields mentioned above may be treated throughout the course. Topics include one- and two-dimensional finite elements, beam and frame finite elements, variational principles, the Galerkin approximation, and partial differentiation equations. Selected topics in finite element analysis including initial value problems, eigenvalue problems, three-dimensional finite elements, and element continuity will be treated. Prerequisite: 2.0 or higher in both ME264 and EGR240.

 3 credit hours.

ME452  Advanced Dynamics and Vibration
This course considers advanced topics in dynamics and vibration. Topics include three-dimensional dynamics, Lagrange’s equations, exact and approximate numerical methods applied to multiple-degree-of-freedom systems, continuous systems, modal analysis, and random and nonlinear vibrations. Prerequisite: 2.0 or higher in ME252.

 3 credit hours.

ME464  Advanced Mechanics of Materials
This course treats the theory of elasticity with applications. Topics include theories of stress and strain, failure criteria, plane theory of elasticity, application of energy methods, curved beams and flat plates, stress concentration and contact stresses. The course concludes with an introduction to finite element methods. Prerequisite: 2.0 or higher in ME264.

 3 credit hours.

2 lecture hours.

3 laboratory hours.

ME470, 472, 474, 476, 478  Special Topics in Mechanical Engineering
The subject matter of special topics courses depends upon the needs and/or interests of a minimum number of students. These courses are normally restricted to upper-level Engineering majors and offered when staff interests and availability make it practical to do so.

 3 credit hours.

ME480  Independent Study
This course enables a student to carry out research or in-depth study in a specialized area of mechanical engineering. While the student conducts his/her work under the guidance of a faculty member whom he/she chooses, there may or may not be regular class meetings. Effective independent study is characterized by a reduction in formal instruction by faculty and an increase in student initiative and responsibility or his/her own process of learning.

3-6 credit hours.

ME482  Independent Study
See description for ME480.

 3 credit hours.

ENTREPRENEURSHIP

ENT150  Introduction to Entrepreneurship
Fall-Spring Semesters
This course is structured to provide an overview of entrepreneurial activities relevant to both start-up companies and existing business expansions. It is applicable to students in all academic disciplines interested in starting or owning a business, while maintaining relevance for existing business owners looking to gain an edge. The course details the fundamental principles and processes of entrepreneurship. It will focus on entrepreneurs, entrepreneurial thinking, idea generation, market evaluation, financing options, business essentials, the execution phase, growth strategies, and exit plan development.

 3 credit hours.

ENT220  The Entrepreneurial Marketplace
Spring Semester
This course focuses on two critical issues for entrepreneurs: the evaluation of market potential during the concept development and business plan stage, and the challenges of growing sales of high-potential ventures. Topics include the basics of market
analysis, researching markets and market segments, translating assumptions on buyer’s need into product recognition and acceptance curves, the impact of product life cycles, product/service validation, and entrepreneurial pricing and advertising. Prerequisite: ENT150 and MKT100, both with a grade of 2.0 or higher.

3 credit hours.

ENT260  Entrepreneurship and Small Business Management
Spring Semester
This course is designed to review and analyze the role of entrepreneurial management in today’s marketplace. The course will focus on the major traditional and nontraditional theories that have been developed in this field. This course will also examine unique challenges and problems that entrepreneurs face in managing their businesses in today’s competitive marketplace. Topics such as leadership, funding sources, capital investment, networking, and diversity will be discussed. Case analysis, experiential exercises, and readings will supplement the coursework. Prerequisite: ENT150 and MGT150, both with a grade of 2.0 or higher.

3 credit hours.

ENT280  Gender and Minority Issues in Entrepreneurship
Fall Semester
This course is designed to review and analyze the role of women and minority entrepreneurs in today’s marketplace. It focuses on the major traditional and nontraditional theories that have been developed in this field. This course will also examine unique challenges and problems that women and minority entrepreneurs face. Topics such as leadership, funding sources, human capital, networking, teamwork, diversity, and venture capital will be discussed. Case analysis, experiential exercises, and readings will supplement the coursework. Prerequisite: ENT150 with a grade of 2.0 or higher.

3 credit hours.

ENT320  Introduction to Franchising
Spring Semester
This course is designed to review and analyze the role of franchising in today’s marketplace. The course will focus on the major traditional and non-traditional theories that have been developed in this field. This course will also examine unique challenges and problems that franchisers face in today’s competitive marketplace. Topics such as acquiring a franchise, leasing options, funding sources, capital investment, leadership, networking, and diversity will be discussed. Case analysis, experiential exercises, and readings will supplement the coursework. Prerequisite: ENT150, ENT220, and ENT260 with a grade of 2.0 or higher in each course.

3 credit hours.

ENT340  Legal and Ethical Aspects of Entrepreneurship
Fall Semester
This course assumes that all students have an understanding of basic concepts related to the U.S legal system as well as policymaking and regulation at the federal, state, and local levels of government. This course examines the legal issues that every entrepreneur should understand, from early start-up through potential exit. The course emphasizes an understanding of contracts (both supplier and customer), intellectual property rights, buy-sell agreements, employment law, partner agreements, joint-ventures, and limited liability companies. In addition, this course will explore the philosophy and role of ethics as it is applied to entrepreneurial operations. Prerequisite: ENT220, ENT260, and BUS345 with a grade of 2.0 or higher in each course.

3 credit hours.

ENT360  Financing Entrepreneurial Ventures
Fall Semester
This course emphasizes how entrepreneurs explore and meet the requirements of various funding sources from original idea through ramp-up to exit. These funding sources include commercial banks, angel investment, venture capital companies, private placement consultants, and state/federal grants. Entrepreneurial financing can be viewed in terms of a life cycle. The course assists the entrepreneur-student with understanding the process of procuring financing and analyzing the high-growth business in terms of matching potential with reward. Prerequisite: ENT220, ENT260, ACC220, ACC225, QBA260, ECO200, ECO201, and FIN300 with grade of 2.0 or higher in each course.

3 credit hours.
IBS410  International Entrepreneurship  
(formerly ENT410)  
*Fall Semester*  
The course will emphasize the cultural, technological, financial, and legal issues associated with international business opportunities. Students will gain valuable insight into the application of management, finance, marketing, and accounting techniques to entrepreneurial opportunities in this global context. Using primarily a case-study approach to the topic, students will learn how actual entrepreneurs attack important issues as they launch and build their high-growth businesses. Prerequisite: ECO200, ECO201, ENT340, and ENT360 with a grade of 2.0 in each course.  
*3 credit hours.*

ENT450  Small Business Consulting  
*Fall Semester*  
To develop their entrepreneurial skills, students will be required to assist small business owners in diagnosing and solving business problems. Student groups will work with local small business owners to assist them in solving these issues in a variety of areas ranging from, but not limited to, marketing, financial analyses, product line development, break-even analysis, acquiring financing, and strategic planning. Prerequisite: ENT340 and ENT360 with a grade of 2.0 or higher in each course.  
*3 credit hours.*

ENT470, ENT472, ENT474  Seminar in Entrepreneurship  
These courses provide students with the opportunity to study selected themes and issues in entrepreneurship, such as creativity and innovation and corporate entrepreneurship. Specific topics may be suggested by faculty members of students. Students who are not entrepreneurship majors or minors must have permission of the instructor. Prerequisite: Completion of ENT150, ENT220, and ENT260 with a grade of 2.0 or higher or permission of the instructor.  
*3 credit hours.*

ENT490, ENT491 Entrepreneurship Internship I and II  
*Fall-Spring Semesters*  
This course is a planned and supervised work experience at selected cooperating firms. Supplementary training, conferences, reports, and appraisals may be required. Internships require students to meet periodically with a faculty supervisor, provide a written deliverable, and participate in an end-of-internship evaluation. Prerequisite: Junior standing and departmental approval of each student participant’s individual program. The program requires approximately 10 hours per week for 12 weeks. Grading will be pass/fail.  
*3 credit hours each semester.*

ENT492, ENT493  Entrepreneurship Internship I and II  
*Fall-Spring Semesters*  
This course is a planned and supervised work experience at selected cooperating firms. Supplementary training, conferences, reports, and appraisals may be required. Internships require students to meet periodically with a faculty supervisor, provide a written deliverable, and participate in an end-of-internship evaluation. The program requires approximately 10 hours per week for at least 12 weeks. Grading will be pass/fail. Students admitted to the Dual Degree Program must also schedule MBA506 with ENT492 and MBA507 with ENT493 to fulfill the work experience requirement. Prerequisite: Junior standing and departmental approval of each student participant’s individual program.  
*3 credit hours each semester.*

ENT495  Business Plan Writing  
*Spring Semester (beginning 2011)*  
This course provides a dynamic, practical, hands-on approach that encourages students to immerse themselves in the vision, research, and planning aspects of a new business venture. It is designed to (1) integrate business learning that has occurred across the course of the students’ undergraduate experience; (2) teach students how to research, develop, and write detailed business plans that can be used to create successful businesses; and (3) provide students with exposure to relevant, contemporary business topics through periodic presentations by local business professionals. Students enrolled in this course will be required to take a comprehensive examination in business. Prerequisite: ENT340 and ENT360 each a grade of 2.0 or higher in each course.  
*3 credit hours.*
FLM216  Introduction to Film
This course is an introduction to film as a communicative and artistic medium, with attention to its technological, industrial, social, and aesthetic dimensions. Students will view a wide range of films, including early as well as recent American and foreign films, and learn about the various techniques used to express meaning in cinema, as well as the major critical approaches that can be used to make sense of films.

3 credit hours. Satisfies ADR I.

FLM220  Film History
Spring Semester
This course introduces students to the history of film as a medium from its beginnings in the late 19th century to the present day and explores the complex relationship between film and history, with attention to the ways in which history has shaped film and film has shaped history.

3 credit hours. Satisfies ADR I.

FLM260-69  Special Topics in Film Genre
This course examines the way in which films are routinely produced, marketed, consumed, and classified according to genre to established categories of cinema delineated by certain general patterns of form and content, such as the Western, the horror film, the musical, and so on. It may be organized as a broad survey of different film genres or as a more focused and in-depth exploration of a single film genre. This course may be repeated for different topics.

3 credit hours.

FLM280-89  Special Topics in Film Directors
This course explores the theory that film directors, by virtue of the central role they play in guiding the collaborative project of filmmaking, can be considered the authors of films. It may be organized as a focused and in-depth examination of a single director who exhibits a distinctive style and coherent thematic vision in his or her films, or as a broad survey of a group of directors who share the same stylistic or thematic concerns and/or the same gender, ethnicity, or sexual orientation. This course may be repeated for different topics.

3 credit hours.

FLM320-29  Special Topics in Film Period
This course undertakes an extended and in-depth examination of a specific period in film history, with attention to its unique technological, industrial, social, and aesthetic dimensions. It may be organized around the exploration of a particular decade (e.g., the 1960s), movement (e.g., postwar Italian Neorealism), or era (e.g., the silent era) important to the history of cinema. This course may be repeated for different topics. Prerequisite: WRT102.

3 credit hours.

FLM340-49  Special Topics in National Cinemas
This course involves an extended and in-depth examination of how the films made in a particular country or region outside the United States are shaped by nationally prevailing socio-political and economic conditions, and express or articulate a sense of national identity. It may be organized around the exploration of a specific national cinema—such as French cinema, Italian cinema, or Japanese cinema—or a constellation of related national cinemas: for example, European cinemas, Latin American cinemas, or African cinemas. This course may be repeated for different topics. Prerequisite: WRT102.

3 credit hours.

FLM360-69  Special Topics in Film History and Analysis
This course involves the comprehensive study of a selected topic in the history, theory, and critical analysis of film. The specific topic may be suggested by either faculty or student interest. This course may be repeated for different topics. Prerequisite: WRT102.

3 credit hours.

FLM380  Film Theory and Criticism
This course entails the advanced examination of cinema from the perspective of film criticism and theory: writing about cinema that attempts to define the nature of film and its effects. Students will view and analyze a wide range of films, including early as well as recent American and foreign films, with reference to key texts of film theory and criticism. Prerequisites: WRT102 and FLM216.

3 credit hours.
FLM498/499  Independent Study
This course represents an opportunity for the student who wishes to undertake a well-defined research project in an area of film studies. While the student conducts work under the guidance of a faculty member of his or her choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process. Prerequisite: WRT102, FLM216.

1-3 credit hours.

FIN300  Managerial Finance I
*Fall-Spring Semesters*
This course serves as an introduction to managerial finance and is required of all Business majors. Students learn the basics of time value of money, financial statement analysis, the cost of capital, and capital budgeting. Other major topics include a discussion of the various types of financial assets and security markets, an introduction to risk and expected return analysis, and an application of time value principles to price financial assets. Students will also be introduced to the foreign exchange market and how exchange rates effect the decision-making process of corporate financial managers. Prerequisites: Completion of ECO201 and either two accounting courses, and QBA260 or ACC220 and MAT350 with grades of 2.0 or higher.

3 credit hours.

FIN310  Real Estate Finance
*Fall Semester, odd-numbered years*
This course is a study of real estate principles with an emphasis on the broad coverage of topics including real estate financing, real estate valuation, the appraisal process, legal and regulatory issues, and mortgage securitization. Students will be taught cash flow projections and pricing of mortgage securities. Prerequisite: Completion of FIN300 and BUS345 with a grade of 2.0 or higher.

3 credit hours.

FIN320  Investments
*Fall Semester*
This course is a study of the principles of investment management. Students learn the basics of the risk/expected return tradeoff for the various types of financial assets, including stocks, bonds, options, and futures contracts. A main learning objective is for students to form optimal stock portfolios according to the convention developed by academic scholars. Students use both statistical and financial techniques to measure and evaluate risk. Other major topics include analysis of mutual funds, stock market efficiency, security analysis, and portfolio evaluation. Prerequisite: Completion of FIN300 with a grade of 2.0 or higher.

3 credit hours.

FIN330  Risk Management and Insurance
*Fall Semester*
A basic introduction to the fundamentals of life, property and casualty insurance, with emphasis on the various types of risks, contract analysis, and cost.

3 credit hours.

FIN340  Financial Institutions and Markets
*Fall Semester*
This course provides a study of the major financial institutions and the role that major institutional investors serve in the current financial system. Topics include commercial banks, mutual funds, securities firms, insurance companies, and pension funds. Prerequisite: Completion of FIN300 with a grade of 2.0 or higher.

3 credit hours.

IBS405  International Finance (formerly FIN400)
*Fall Semester*
Study of international aspects of financial transactions. Topics include: risk, expectations, and behavior or exchange rate; currency arrangements and the balance of payments; international capital markets; international money markets; international liquidity and debt crisis. Prerequisites: Completion of ECÓ200, ECO201, and FIN300 with grades of 2.0 or higher.

3 credit hours.
FIN410  Managerial Finance II

*Spring Semester*
This course serves as the second part of Managerial Finance I and is required of all economics and finance majors. Students use the decision-making tools acquired in Managerial Finance I to study corporate dividend policy, capital structure, share repurchases, stock splits, and security issues. A major portion of the course is a discussion on corporate mergers and acquisitions. Students will also be exposed to options and futures contracts and the various types of financial risk that can be hedged by using these derivative securities. Prerequisite: Completion of FIN300 with a grade of 2.0 or higher.

3 credit hours.

FIN420  Derivative Securities

This course serves as an introduction to the rapidly expanding derivatives market. Both hedging and speculating techniques are used to explore the use of options, future contracts, and swaps. Emphasis is placed on trade-off between risk and expected return and the advantage that derivative assets have over other, less risky assets. Prerequisite: Completion of FIN300 with a grade of 2.0 or higher.

3 credit hours.

FIN450  Finance Seminar

*Spring Semester*
This capstone course will provide students with an opportunity for intense study in current financial theory and unresolved issues of the current period. Prerequisite: Completion of FIN300, FIN320, FIN340 with a grade of 2.0 or higher, and senior standing in the major.

3 credit hours.

FIN490, FIN491  Finance Internship I and II

*Fall-Spring Semesters*
This course is supervised work experience at a business or government agency for students who have completed several major courses so that application of classroom learning can occur. Students are required to complete a minimum of 120 hours of work during the semester. Internships require students to meet periodically with a faculty supervisor, provide a written deliverable, and participate in an end-of-internship evaluation. Prerequisite: Completion of FIN300 with a 2.0 or higher and a minimum of 75 credit hours completed with at least a 2.5 GPA. Grading will be pass/fail.

3 credit hours each semester.

FIN492/FIN493  Finance Internship I and II

This course is supervised work experience at a business or government agency for students who have completed several major courses so that application of classroom learning can occur. Students are required to meet periodically with a faculty supervisor, provide a written deliverable, and participate in an end-of-internship evaluation. Grade is pass/fail. Students admitted to the Dual Degree Program must also schedule MBA506 with FIN492 and MBA507 with FIN493 to fulfill the work experience requirement. Prerequisite: Completion of FIN300 with a 2.0 or higher and a minimum of 75 credit hours completed with at least a 2.5 GPA.

3 credit hours each semester.

FORENSIC CHEMISTRY

FCM200/CJA230  Criminalistics

*Fall-Spring Semesters*
This is the first course in the Forensic Science curriculum. It is designed as a scientific overview of several areas of forensic science. Some of the areas of study are: history of criminalistics, experts in the field of forensic science, fingerprinting, impression evidence, handwriting analysis, glass analysis, firearms, forensic serology, fire debris, and expert witnesses. Laboratory time is spent analyzing evidence discussed in several of these topics.

3 class periods.
1 three-hour laboratory (FCM201/CJA231).
4 credit hours.
G243  Introduction to Geography
*Fall-Spring Semesters*
Explores the relationship between humans and the natural environment and provides a survey of the major political and cultural regions of the world. Use of maps and atlases.

3 credit hours. Satisfies ADR II.

G260  Introduction to Cartography
Introduction to the history and techniques of Cartography. Principles and practice of field survey, photo-interpretation, remote sensing and computer assisted cartography. Use and application of cartographic skills in the various sciences and disciplines. Not open to freshmen.

3 credit hours.

G331  Urban Geography
*Fall Semester*
Systematic study of the location and distribution of urban centers, their interval structure and form, urban land use patterns, and geographical aspects of urban planning with special emphasis on the process of urbanization in North America. Not open to freshmen.

3 credit hours. Satisfies ADR II.

G332  Economic Geography
*Spring Semester*
Analysis of world patterns of economic activity and their implications for the global economy. Emphasis is placed on natural resources, population, food supply, trading patterns, and manu-
facturing and commercial activities. Not open to freshmen.

3 credit hours. Satisfies ADR II.

G336/H336 Historical Geography of North America
This course offers a broad introduction to the historical geography of the United States through analysis of distinctive elements of regional landscapes. Archival and contemporary photographs, cartographic representations, and many secondary sources are utilized to develop and extend themes presented in the course textbook. Upon completion of this course, students will have a deeper understanding of the issues involved in the analysis of place at a variety of spatial scales. Students will also have a better sense of the historical layering of landscapes you encounter on a daily basis.

3 credit hours. Satisfies ADR II.

G341 Geography of North America
Fall Semester
A regional study of the United States and Canada emphasizing physical, cultural and economic aspects as well as geographic sub-regions. Emphasis on population patterns, sequent occupancy, and urban-industrial growth. Not open to freshmen.

3 credit hours. Satisfies ADR II.

G348 Cultures and Environments Field Series
Summer Semester
This course is a field study of the human and physical geographies of a particular international destination (a specific destination will be chosen each year). Topics to be covered include: globalization, sustainable tourism, cultural, political and historical geographies, architecture, economic development, climate, landforms, topography, and environmental conservation. Permission of the instructor is required.

3 credit hours. Satisfies ADR II.

GERONTOLOGY

GER215 Social Aspects of Aging
Fall-Spring Semesters
This course is designed to be an introduction to the sociology of aging. A primary goal of the course is to sensitize students to the special issues of late life. It will include consideration of financial, legal, emotional, social contact and family factors. We will discuss various theoretical frameworks and current methodological issues in the field of gerontology, as well as controversies which exist regarding age-related issues. Prerequisite: SOC100 or instructor’s permission.

3 credit hours. Satisfies ADR II.

GER280 Regulatory Issues in Long-Term Care
Spring Semester, even-numbered years
This course is designed to introduce the student to the various regulatory agencies and regulations that
govern the operational aspects of long-term care. Long-term care is driven by state and federal regulations. Those pursuing careers in long term care administration or careers in ancillary professions of long-term care will gain an understanding of the formation and mandated implementation of regulations, as well as how to ensure compliance.

3 credit hours.

GER281 Administrative Issues in Long-Term Care
Fall Semester, even-numbered years
This course is designed to involve the student in the general administrative facet of nursing homes, including strategic planning. The effective integration of facility support services will be covered as well as family and community relations. Focus will be on the role of the administrator in management of the total organization.

3 credit hours.

GER282 Personal Care and Assisted Living
Spring Semester
This course is designed to enable students to focus on administration in personal care and assisted living homes. Topics will focus on administrative issues, regulations, fiscal management, physiological, and psychosocial issues of this population. Students will have the opportunity to visit a personal care home and interview staff and residents.

3 credit hours.

GER312/PSY312 Psychological Aspects of Aging
Fall-Spring Semesters
This course is designed to provide students with a broad understanding of major topics and theories relevant to the cognitive, emotional, and developmental topics in aging. Students will investigate health behaviors, sensation and perception, cognitive abilities, personality, social interactions, motivation and emotion, psychological disorders, end-of-life issues, and successful aging. The course will also focus on the methods used to conduct research with an aging population. Prerequisite: PSY100.

3 credit hours.

GER316 Ethical Aspects of Aging
Spring Semester
The focus of this class is on applied ethics and aging. This course will demonstrate how to approach ethical problems, how to make ethical decisions, and how to apply decision-making principles to ethical issues in everyday practice. Students will learn a step-by-step approach for working through difficult situations related to issues regarding the aging population. The course will examine traditional ethical theories and contemporary issues such as community-based and long-term care provision, legal and cultural issues, issues regarding vulnerable adults, issues related to dementia and end-of-life, and conducting research with older adults. Prerequisite: GER215 or GER315 or permission of the instructor.

3 credit hours.

GER320 Working with Older Adults
Fall Semester
This course will focus on the skills needed to work successfully with older persons. It will emphasize knowing the client, knowing the available support systems, and helping with the decision-making process to encourage independence and adequate care. Prerequisites: GER215 or GER315 or permission of the instructor.

3 credit hours.

GER330 Death, Dying, and Bereavement
Spring Semester
This course offers a broad overview of the psychological aspects and individual and societal attitudes of death and dying in our society. Topics include attitudes toward and preparation for death; the understanding of and care for terminally ill patients; funeral rituals; burial, mourning, and grief practices; grief counseling; suicide and euthanasia. Readings and classroom activities will be supplemented by students’ self-exploration and writing on feelings, attitudes, and beliefs about death.

3 credit hours.

GER380 Fiscal Issues in Long Term Care
Fall Semester, odd-numbered years
This course will cover issues of fiscal management, including budgeting and third-party reimbursements. Risk management will be investigated in terms of financing, liabilities, and insurances.

3 credit hours.
GER382    Resident Care Issues  
*Fall Semester, odd-numbered years*  
This course involves the student in the direct services available to residents of long-term care facilities. The roles of the nursing departments, resident care management, rehabilitation, special care, dietary and nutrition, pharmacy and health support services will be covered.  
3 credit hours.

GER390, GER391, GER392  Selected Topics in Gerontology  
*Spring Semester*  
A study of a specific topic of interest to gerontologists, including, but not limited to public policy, controversial issues, abuse issues, and group work with the elderly.  
3 credit hours.

GER410  Clinical Aspects of Aging  
*Fall-Spring Semesters*  
A survey of the known physiological changes of the aging process and their psychological consequences. Present research in cellular, immunological, perceptual, and neurological changes will be emphasized. Prerequisite: GER215 OR GER315 or permission of the instructor.  
3 credit hours.

GER498, GER499  Gerontology Independent Study  
The Independent Study Program affords an opportunity for the student who wishes to undertake a well-defined research project. While the student conducts his work under the guidance of a faculty member of his own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process.  
1-3 credit hours each semester.

HEALTHCARE CODING

HCC215  Medical Terminology  
*Fall-Spring Semesters*  
This course is an introduction to the specialized language of medicine through the study of Greek and Latin prefixes, suffixes, and root words. Students will develop a familiarity with highly technical and specialized terminology.  
3 credit hours.

HCC220  HCPCS (HCFA Common Procedural Coding System) Coding  
*Spring Semester*  
This course introduces the Health Care Financing Administration Common Procedural Coding System (HCPCS) used to report physician and non-physician services provided to Medicare and Medicaid patients in the ambulatory and outpatient settings. Emphasis is placed on “National Codes” (Level II) and “Local Codes” (Level III) of HCPCS. Also included is the use of modifiers for both Level II and Level III codes. Prerequisites: HCC215 or permission of instructor.  
1 credit hour.

*Spring Semester*  
This course provides students with an in-depth study of the coding principles of Physician’s Current Procedural Terminology (CPT-4). Students will learn to classify procedures and services provided by physicians and other healthcare providers. The use of CPT in the physician’s office, ambulatory surgery, and emergency department will be emphasized. Prerequisite: HCC215 or permission of instructor.  
1 credit hour.

HCC222  Health Classifications and Reimbursement Systems  
*Spring Semester*  
This course includes the purpose of classifying diseases and procedures and the differences between nomenclatures and classifications. An in-depth study will be made of the International Classification of Diseases and its various modifications. Also included will be the purposes, construction, and uses of other classification systems and nomenclatures. In
addition, Diagnosis Related Groups (DRGs), case-mix management, and reimbursement systems will be presented. Prerequisites: HCC215 or permission of instructor.

3 credit hours.

HCC225 Healthcare Insurance Reimbursement

Spring Semester

This course explores the many different insurance coverages available to healthcare patients in the United States and how facilities and practitioners are reimbursed for care provided. Instruction includes legal issues affecting insurance claims, the use of diagnostic and procedural coding in reimbursement and electronic data submission. In-depth study will be made of managed care systems, private insurance plans, Medicaid, Medicare, TRICARE, Workers’ Compensation, and Disability Income Insurance. Prerequisites: HCC215 or permission of instructor.

3 credit hours.

HCC230 Concepts in Pharmacology

Spring Semester

This course is an introduction to concepts of pharmacology. It is designed to provide the student with knowledge of basic pharmacological terminology and concepts, drug categories, mechanisms of drug action, drug forms, routes of administration, and common generic and proprietary name medications. This knowledge base is then applied clinically to analysis of health information and diagnostic and procedure coding. Prerequisite: HCC215.

1 credit hour.

HCC235 Pathophysiology

Spring Semester

Basic human physiology and its application to the disease process is reviewed in this course. The course covers the etiology, pathology, clinical signs, and symptoms as well as treatment and prevention of common inpatient and outpatient diseases and conditions. Prerequisites: BIO106, HCC215, or permission of instructor.

4 credit hours.

HCC240 Coding Practicum

Spring Semester

This course provides the student with experience in coding and DRG assignment of health records using ICD-9-CM, CPT, and HCPCS coding systems. Clinical site supervisors will instruct and evaluate all coding performed by the student in the healthcare setting under the direction of the instructor. This coding practicum is designed to reinforce classroom coding and health insurance instruction. Corequisites: HCC220, HCC221, HCC222, HCC225.

120 clinical hours.

3 credit hours.

HISTORY

H219, H220 The History of Western Civilization I, II

Fall-Spring Semesters

A survey of material from prehistory to the present; the civilizations of the Near East and the Mediterranean; medieval history; the Renaissance and Reformation; the expansion of Europe, the French Revolution; the Industrial Revolution; Nationalism in Italy, Germany, and the Balkans; the First World War; interwar Europe, the Second World War, and contemporary history.

3 credit hours each semester.

Satisfies ADR IV.

H221, H222 History of American Civilization I, II

Fall-Spring Semesters

An integrated survey of the cultural, social, political, and economic development of the United States from 1492 to the present. The first semester (H221) covers the period from the Age of Exploration to the end of the Civil War; the second semester (H222) traces American development from Reconstruction to the present. In both courses emphasis will be on the evolution of a distinctive American culture and character.

3 credit hours each semester.

Satisfies ADR IV.
H227  Colonial History of Latin America
The history of Latin America begins with its earliest inhabitants. The Aztec, Inca, and Maya civilizations will be examined for their many contributions. Following the conquest, the Spanish and Portuguese empires will be carefully studied for their economics, religion, society, and daily life. The course concludes with a discussion of independence and the colonial legacy.

3 credit hours. Satisfies ADR V.

H228  Modern Latin America
Using the leading survey textbook in its field, this course uses an in-depth case study approach to the study of Latin America. Major countries such as Mexico, Brazil, Chile, and Argentina are highlighted with themes such as immigration, political leadership, and military takeovers. The course concludes with a look at U.S.-Latin American relations including drug trafficking and the rise of democracy.

3 credit hours. Satisfies ADR V.

H233  Pre-Columbian Civilizations: The Incas
This course provides an in-depth examination of the Inca Indian civilization from the year 1000 B.C. to the coming of the Spanish in 1530. Both historical and archaeological records are presented and interpreted. Inca cosmology, subsistence strategies, social structure, intellectual and artistic achievements are examined.

3 credit hours. Satisfies ADR V.

H234  Pre-Columbian Civilizations: The Mayas
This course provides an in-depth examination of the Mayan Indian civilization from the year 1000 B.C. to the coming of the Spanish in 1520. Both historical and archaeological records are presented and interpreted. Maya cosmology, subsistence strategies, social structure, intellectual and artistic achievements are examined. Recent research concerning decipherment will be discussed.

3 credit hours. Satisfies ADR V.

H235  Pre-Columbian Civilizations: The Aztecs
This course provides an in-depth examination of the Aztec Indian civilization from the year 1000 A.D. to the coming of the Spanish in 1520. Both historical and archaeological records are presented and interpreted. Aztec cosmology, subsistence strategies, social structure, intellectual and artistic achievements are examined.

3 credit hours.

H240  Methods and Theory in History
This course introduces the student to methods and theories employed when doing historical research and interpretation. The course will prepare the student for advanced work in the field. Students will develop a wide array of research methods, interpretive techniques, analytical strategies, and presentation approaches. Students will also explore the philosophy of history and survey the ways that historical methods and interpretations have evolved. At the conclusion of the semester, students will demonstrate their understanding of course material by producing an interpretive scholarly historical essay. Prerequisites: H221, H222, H219, or H220.

3 credit hours.

H245  The American Military Experience
This course examines the origins and evolution of American military institutions, traditions, and practices from 1775 to the present. It will emphasize military policy, organization, technology, and employment together with their relation to contemporary political, social, and economic developments during the era under study.

3 credit hours. Satisfies ADR II.

H300  Oral History: Techniques and Research
Oral history is a technique for creating and preserving original information. It is both a research method and a teaching tool. Through informed and empathetic interviewing, we acquire information about families, individuals, and organizations. Conducted properly, oral history is a limitless technique for exploring and documenting the variety of human experiences. Local projects have included well-known area residents, the paper industry, Holocaust survivors, Vietnam Veterans, the Greek-American community, and York College.

3 credit hours.

H303  History of Africa I
Survey of Africa from the prehistoric period to the colonial era. Emphasis is placed on the development
of indigenous states, the early influence of Europeans, the evolution of the slave trade, and the 19th century colonial partition. Not open to freshmen.

H305 History of Africa II

3 credit hours. Satisfies ADR V.

H306 Race and Racism in the Americas
A historical survey of race and racism in the United States. The course will include historical experience of various minority groups (i.e., Blacks, Indians, Hispanics, Asians, etc.). Discussion will include political, legal, economic, cultural, and social aspects of racism.

3 credit hours. Satisfies ADR V.

H307 North American Environmental History
Environmental history studies the changing relationship between human beings and the natural world through time. Through readings and discussions we will examine a variety of influential issues and themes, from the pre-colonial period to the present, including the impact of settlement on the land and the rise of the modern environmental movement. Our central premise throughout will be that much of the familiar terrain of American history looks very different when seen in its environmental context, and that one can learn a great deal about both history and the environment by studying the two together.

3 credit hours. Satisfies ADR II.

H309 Europe in the 19th Century
This course will examine the political, social, cultural, and economic history of Europe from the French Revolution to the First World War (1789-1914). Using primary and secondary sources, students will examine the causes and consequences of the French Revolution; the development of liberalism, socialism, conservatism, nationalism; industrialization and its consequences; the impact of science on society and culture; and international relations and imperialism.

3 credit hours. Satisfies ADR II.

H310 Europe after 1914
In the 20th century, Europe went from the height of its power into war, genocide, and division between East and West. Since 1990 and the end of the Cold War, Europe has faced new challenges, including ethnic violence, economic difficulties, multiculturalism, and globalization. Using primary and secondary sources, students will examine the history of Europe from the First World War to the present. Course themes include the problem of war and peace; dictatorship and democracy; racism/genocide and tolerance; the state and the people; East/West divisions; and European integration.

3 credit hours. Satisfies ADR II.

H316 Ancient History (Prehistory to 476)
The civilizations of the ancient world lay the foundation for all later western societies, including ours today. This course will provide an introduction into prehistory, the rise of the civilizations in Mesopotamia and the Fertile Crescent region, the glory of ancient Egypt, the achievements of the Greek and Hellenistic worlds, and the rise and decline of Rome. It will incorporate traditional emphases on political, social, economic, religious, and cultural developments, which will be investigated in part by examining a variety of primary source material that survive from antiquity.

3 credit hours. Satisfies ADR II.

H317 Medieval Civilization
The thousand-year period from approximately 450 to 1450, known as the Middle Ages, was a formative period in the development of much of Europe and the Middle East, and brought western civilization from antiquity to the brink of modernity. This course will provide a broad introduction to the history and culture of the Middle Ages, and will explore traditional themes in medieval history, such as the rise of Christianity and the Church, growth and evolution of the feudal and manorial systems, state building, and late medieval crises and conflicts, as well as the social and cultural experiences of men and women from all walks of life.

3 credit hours. Satisfies ADR II.

H318 Renaissance and Reformation
Between 1350 and 1600, two major movements, the Renaissance and Reformation, transformed the Middle Ages into the Early Modern period, affected
the politics, economics, education, religion, warfare, and culture of Europe, and paved the way for modern society. This course will provide an introduction to the Early Modern period, and will explore the Renaissance as a cultural and intellectual movement, the causes for and development of religious changes during the Reformation and Catholic Reformation, and the political and economic changes wrought both within Europe and without as a result of exploration.

3 credit hours. Satisfies ADR II.

H330 History of 20th Century Russia and C.I.S.
A study of Russia from 1861 to present: Russia on the eve of World War I and 1917 Revolution; collapse of Tsarist Russia and formation of the U.S.S.R.; domestic developments and foreign relations under the Communist regime, prior, during, and after World War II; collapse and disintegration of the Soviet Union and formation of the Commonwealth of Independent States.

3 credit hours. Satisfies ADR V.

H333, H334 History of Britain
A survey of the major political, economic, and social trends in Britain from 55 B.C. to the present. The first semester will trace the evolution of the British people and their government from the Roman conquest to the end of the 17th century. The second semester will concentrate on the evolution of a constitutional monarchy and the creation of Empire from the 17th century to the present.

3 credit hours. Satisfies ADR II.

H335 Germany 1815-Present
This course will explore the political, social, economic, and cultural developments in Germany from the period after the French Revolution to the present. It will also examine the various interpretive approaches provided by historians of Germany to account for its destructive history. Topics that will be covered include: the impact of the French Revolution on German nationalism and the development of German politics; Bismarck and German unification; the state, politics, economics, culture, and society under the German empire; Germany and World War I; the Weimar Republic; Hitler, National Socialism, and the Holocaust; the division of Germany after World War II; and the Revolution of 1989.

3 credit hours. Satisfies ADR II.

H336/G336 Historical Geography of North America
This course offers a broad introduction to the historical geography of the United States through analysis of distinctive elements of regional landscapes. Archival and contemporary photographs, cartographic representations, and many secondary sources are utilized to develop and extend themes presented in the course textbook. Upon completion of this course, students will have a deeper understanding of the issues involved in the analysis of place at a variety of spatial scales. They will also have a better sense of the historical layering of landscapes they encounter on a daily basis.

3 credit hours. Satisfies ADR II.

H340/WGS340 Women and War
This course will analyze military conflict from the perspective of gender. The experience of women will be the focus of the course, but the course will also examine how gendered concepts related to being male and female play a role in the making of war. Students will analyze the effects of war on women’s status and will examine the impact of war on gender roles and the relationship between men and women. Course content will be drawn from major world conflicts, including WWI and WWII, as well as post-World War II regional and national conflicts.

3 credit hours. Satisfies ADR II.

H342/WGS342 Women in the United States: A History
This course will analyze the history of women in the United States from the colonial period to the present. The course will attempt to understand the impact which political, social, economic, and racial aspects of American history have had on American women, and, conversely, the impact women in the United States have had on developments within these areas.

3 credit hours. Satisfies ADR II.

H351 American Colonial History (1607-1760)
Colonial origins of the United States including a study of institutions, values, thought, and cultural development prior to the American Revolution. Emphasis is given to the roots of this nation’s political, economic, social, and constitutional traditions.

3 credit hours. Satisfies ADR II.
H352  The New American Nation (1760-1815)
Events, ideas, and personalities associated with creation of the American Republic. The focus of the course will be on the creation of the American Constitution and its implementation during the Jeffersonian era.

3 credit hours. Satisfies ADR II.

H353  The Jacksonian Era (Middle Period, 1816-1846)
An analysis of the political, economic, and social forces which characterized this period in American history. Growing sectional tensions, major personalities, and popular culture will be stressed.

3 credit hours. Satisfies ADR II.

H354  Coming of the Civil War 1846-1861
This course will examine the conflicting currents in American history between 1846-1861 that led the nation into the Civil War. Particular attention will be focused on the intricate relationships between slavery, racism, economics, and politics.

3 credit hours. Satisfies ADR II.

H355  Civil War and Reconstruction, 1861
This course will analyze the political, economic, and military ramifications of the Civil War itself. It will examine also the relationships between politics, economics, and race during the Reconstruction period in order to gain an understanding of both the limits and legacy of that era.

3 credit hours. Satisfies ADR II.

H356  The Emergence of Modern America, 1877-1914
A continuation of the American history sequence, from the end of the Reconstruction through the Wilson era. Emphasis will be placed the emergence of a modern state, culture, and economy. Topics to be discussed include: industrialization, immigration, and urbanization; the politics of the Gilded Age and progressive era; overseas expansion; and the rise of the United States as a world power.

3 credit hours. Satisfies ADR II.

H357  Twentieth Century American History, 1914-1945
This course will examine American history from 1914 to 1945, a topsy-turvy period during which time Americans experienced a boom, a bust, and two world wars. Among the subjects that the class will examine closely are: the Red Scare, the Scopes Trial, Prohibition, the Great Crash, the New Deal, and the home front during World War II.

3 credit hours. Satisfies ADR II.

H358  Recent America, 1945-Present
An intensive examination of U.S. history from 1945 to the present. Emphasis will be placed on the Cold War, the civil rights, women's and antiwar movements of the 1960s, and the economic changes of the 1970s and 1980s.

3 credit hours. Satisfies ADR II.

H371/PS371  American Constitutional Thought: Political Institutions
This course will provide an understanding of the development of the American constitutional system. Emphasis will be given to the writing of the U.S. Constitution and the evolution of constitutional law as it relates to the Congress, the Presidency, the Judiciary, the bureaucracy, and the place of state governments in American history. This course is cross-listed as PS371.

3 credit hours. Satisfies ADR II.

H372/PS372  American Constitutional Thought: Civil Liberties and Civil Rights
This course will provide an understanding of the development of the American constitutional system. Emphasis will be given to the Supreme Court’s role in defining and protecting civil liberties such as speech, press, religion, privacy, due process, and equal protection. This course is cross-listed as PS372.

3 credit hours. Satisfies ADR II.

H382  British Empire
This course traces the development and decline of the British Empire from the 17th century to the present, paying particular attention to the 19th and early 20th century when the Empire was at its peak.

3 credit hours.

H384  History of Modern Ireland
This course examines the important political, social, and cultural developments in Ireland from the 18th Century to the present, focusing on Ireland’s relationship with Great Britain, on connections between
Ireland and America, and on conflicting interpretations of Irish national identity.

3 credit hours.

**H385, H386  Special Topics in American History**
These courses provide coverage of topics of special interest in American history.

3 credit hours.

**H387, H388  Special Topics in World History**
These courses provide coverage of topics of special interest in world (non-U.S.) history.

3 credit hours.

**H391  The Vikings**
The Vikings still manage to evoke images of dread and violence after a thousand years, but is this really the sum total of who they were? In this course, we will meet the Vikings in all of their guises: as farmers, traders, explorers, colonists, mercenaries, and plunderers. We will follow their travels and exploits from Scandinavia to the Mediterranean to Russia to North America. We will investigate the ways in which they influenced and were influenced by other early medieval peoples. We will look at their art and architecture, read their literature, and read what others wrote about them. In essence, this course will show the Vikings to be more than just violent pagan warriors.

3 credit hours.

**H395  The European Witch Craze**
Between the 15th and 17th centuries, many Europeans became increasingly concerned about the phenomenon of witchcraft, viewing accused witches as enemies of society and pawns of the devil, who needed to be eliminated. This time of heightened fear and panic often has been dubbed “the Witch Craze,” and can be seen as an illustration of a society in transition. This course traces the intellectual, religious, and social changes in society responsible for new ideas and beliefs toward witchcraft, as well as explores the growing fear of witches and the ensuing hysteria and persecutions that gripped Europe.

3 credit hours.

**H400  The First World War**
This course provides students with an in-depth examination of the First World War (1914-1918) as a watershed in world history. As the first total war, the Great War involved a new war experience on the battle and home fronts. The destructive capacity of new industrialized military technologies necessitated massive mobilization of men and women. Students will examine various interpretations regarding the war’s causes, the impact of the war on soldiers and civilians, the geo-political consequences of the war and its peace, and consider the cultural, social, and political legacy of the war for the world in which we live today.

3 credit hours.

**H401  Classical Social History**
The lives of men and women in Classical Greece and Rome were effectively defined by two spheres: public and private. This dichotomy affected most aspects of life, everything from family life and relationships between the sexes, to religious beliefs and practices, to leisure activities, to societal expectations and norms. This course will use a broad array of primary and secondary evidence, including art and literature, to explore life in the ancient world, and to analyze the ways in which the divide between public and private is different from that in our own society.

3 credit hours.

**H404  The Black Death**
Few natural disasters throughout history have garnered as much interest and examination as the 14th century epidemic known as the Black Death. Responsible for the deaths of as much as half of the European population in as little as three years, the Black Death also set the stage for major economic, cultural, and spiritual upheaval that ultimately led to the transition from medieval to early modern Europe. This course will investigate the status of Europe just prior to the arrival of the Black Death, the course of the pestilence itself, the effects of the Black Death and its recurring waves over the next 150 years, and current scholarly debates that surround these issues.

3 credit hours.

**H420  Nazi Germany**
This course provides students with the opportunity to examine one of the most troubling episodes in history and to deal with the difficult issues relating to the Third Reich, the Holocaust, and historical interpretations of the period 1933-1945 in Germany. In this course, students will study the background to
the Nazi era through an examination of anti-democratic structures in pre-World War I Germany, Germany’s defeat in World War I, and the weakness and collapse of the Weimar Republic. Students will then examine the success of Hitler and the Nazi Party; the structure of the Nazi state, including politics, society, and economics; Nazi racism and anti-Semitism; Germany and World War II; and the Holocaust.

3 credit hours. Satisfies ADR II.

H421, H422  Special Topics in American History
See H385, H386.

H423, H424  Special Topics in World History
See H387, H388.

H425, H426  Special Topics in British History
These courses provide coverage of topics of special interest in British history.

3 credit hours.

H440  Senior Seminar in History
Fall-Spring Semesters
Selected topics dealing with research, methodology, and philosophy of historical thought. Open to seniors with a major in history. Prerequisite: H240.

3 credit hours.

H460, H461  History Internship
Specialized historical experience with local historical agencies. The internship is designed to introduce the student to the broad range of public history activities. These include archival management, curatorial, museum educator and research activities. Departmental approval is required in advance. Pass/fail only.

3 credit hours.

H470-H489  Special Topics
Various topics in history ranging from America in the 1920s to the European Union.

3 credit hours. Satisfies ADR II.

H470  The Civil Rights Movement
This course will examine one of the most significant developments in American history, the civil rights movement. Not only did this movement have a tremendous impact on the United States, its leaders, ideals, and actions, it inspired others to fight for their own freedom in the U.S. and abroad. During the course, students will examine the civil rights movement as a broad-based movement that involved millions of individuals, black and white, young and old, male and female. Students will read primary and secondary sources, watch films, and conduct research projects.

3 credit hours.

H472  America in the Sixties
This course will examine the 1960s, one of the most turbulent eras in U.S. history. Over 30 years after the decade ended, the 1960s remain important to historians and the public, one of the most contested territories of the past. To better understand this period, students will be introduced to a wide variety of primary and secondary sources, ranging from political manifestos and speeches to the music of the era. Most of the classes will be conducted as a seminar, and class participation is central to success in the course.

3 credit hours.

H475  Native American History
This course provides an examination of Native American civilization. The course focuses on the Native American experience in North America after European contact. The role that Native Americans played during European settlement, during the Revolutionary period, and during westward expansion as well as an assessment of contemporary Native American conditions are among the primary topics covered by the course.

3 credit hours.

H477, H478, PS479, PS480  European Union
This course is designed to provide students with the opportunity to study the institutions and decision-making processes of the European Union (EU) for the purpose of participating in a Modern European Union simulation. Students will learn about the EU as a unique international organization, and consider the issues and difficulties the EU and its member states face as they confront policy-making challenges. Students may participate in an experiential learning activity that is an annual Model EU simulation. Students may take the course multiple times for credit, with a different role required year to year.

3 credit hours.

H484  Baseball History
This course about baseball history provides a unique
study of both the American historical and cultural experiences. While focusing upon the players, teams, and events that are a part of the game, the course integrates various related fields including labor history, black history, and the history of American immigration. Equally important is the study of the place that baseball has come to play within American art, literature, music, and architecture.

3 credit hours.

H486 Holocaust in Film
This course will examine film representations of the Holocaust and the Third Reich, including documentaries, independent films, television programs, and award winning Hollywood and foreign films. This course will assist students in developing the skills necessary to read film and the moving image as a genre of historical interpretation. Students will be asked to discuss the role (and appropriateness) of film for conveying the Holocaust experience to contemporary audiences. Students will combine a reading of film with supporting historiographical and primary source materials to develop their analyses of the films. Film content may be revised to reflect new releases or availability.

3 credit hours.

H498-H499 Independent Study
The Independent Study Program affords an opportunity for students who wish to undertake a well-defined research project. While these students conduct their work under the guidance of a faculty member of their own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process.

1-3 credit hours each semester.

HUMANITIES

HUM230 Studies In London
This course offers students an opportunity to gain ADR I credit by studying a humanities-related topic in London during Mini-Mester. The topic changes depending on the instructor. The course includes both class sessions and numerous excursions to destinations in and near London; specific locations will be determined by the instructor. This course greatly reinforces the humanities-associated goal of demonstrating how, broadly speaking, an understanding of culture and cultural interactions can lead to a betterment of the human condition. Additionally, students will not only become aware of the impact of culture on their own identity and of increasingly important globalization issues but become active global citizens themselves.

3 credit hours. Satisfies ADR I.

HUM242 Science and Religion
This course deals with the ways science and religion understand and encounter each other, and explores ways in which science and religion can pursue a mutually beneficial relationship.

3 credit hours. Satisfies ADR I.

HUM380 Special Topics in Humanities
This course offers an interdisciplinary examination of central issues and themes in the area of liberal arts studies. The specific theme of the course may be suggested by faculty and/or student interest. Topics may include: Human Nature in the Humanities, God in the Humanities, Creativity in the Humanities, Revolution in the Humanities, Power in the Humanities, Justice in the Humanities. Prerequisites: WRT102.

3 credit hours.

HUM450, HUM451 Humanities Internship
The purpose of an internship is to provide students with practical training and supervised work experience in appropriate firms or organizations. Internships are designed to give students an opportunity to make use of the practical aspects of their classroom knowledge, to complement and extend their classroom experiences, and to develop their understanding and confidence through a work-related experience. Responsibilities will vary according to placement as determined by the work supervisors of the sponsoring agency and faculty coordinator. Students are required to spend a minimum of 120 hours work on site. Students must have earned 60 or more
credits and a minimum 2.5 cumulative grade point average at the time of application and complete an internship application.

3 credit hours.

HUM498, HUM499 Independent Study
An opportunity for the student who wishes to undertake a well-defined, interdisciplinary research project in the humanities. While the student conducts work under the guidance of a faculty member of his or her own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process.

3 credit hours.

INFORMATION LITERACY

IFL101 Information Literacy
*Fall-Spring-Summer Semesters*
In this Core Curriculum course, the students will develop the necessary research skills to locate, evaluate, and present information for their courses and for their careers. They will learn professional use of many electronic communication and presentation tools, legal and ethical use of information in all media formats, and navigation of the York College network, Schmidt Library resources, and the Internet. They will also discuss the implications of living in a digital society.

2 credit hours.

INFORMATION SYSTEMS

IFS100 Information Technology (IT) Competency Exam
*Fall-Spring Semesters*
IFS100 is a surrogate for a computer competency exam. Students are required to pass all components of the competency exam within the first 30 credits; otherwise, they are required to take IFS105 within their first 30 credits. The exam covers fundamental concepts of Microsoft Windows and the Microsoft Office applications of Word, Excel, and PowerPoint. The exam will be given four times during a semester. Students are encouraged to practice for this exam and materials and instructions will be provided via the normal textbook buying procedures. Mandatory pass/fail grading.

0 credit hours.

IFS105 Personal Productivity Computing
*Fall-Spring Semesters*
Presents the fundamentals of computers and computer terminology. Stresses the importance of computers as essential components of the business world and society in general. Extensive lab segment focuses on the computer as a personal productivity tool using word processing, spreadsheets, presentation managers, and databases. Mandatory pass/fail grading.

3 credit hours.

IFS160 Visual BASIC Programming
*Fall Semester*
Introduces students to programming in the Windows environment using the BASIC family of languages. Windows concepts that are covered include programming forms, command buttons, drop-down and list boxes, labels, text boxes, and other controls. BASIC programming features that are covered include variables, control statements, data validation, arrays, and file processing. Other topics include designing event-based programs, flowcharting, structure charts, and object-oriented concepts. Prerequisite: Successful completion of IFS100 or IFS105.

3 credit hours.

IFS175 Development Fundamentals
*Spring Semester*
This course introduces the fundamentals required to develop information systems. Students will be introduced to the rationale for applying recognized analysis and design techniques prior to writing and implementing programs. Students will understand
how and why a basic understanding of analysis and design principles is fundamental to information systems development. These topics, along with rudimentary introduction to programming topics of syntax, logic, and mathematics, will be presented in the C# language.

3 credit hours.

IFS200  Introduction to Programming and Software Engineering I (replaced by IFS225 beginning Fall 2010)

Fall Semester
This course introduces software engineering through problem solving and computer programming. Programming techniques covered by this course include modularity, abstraction, top-down design, specifications, documentation, debugging, and testing. Topics are introduced through projects in the C# language. The core material for this course includes syntax, logic, mathematics, methods, recursion, arrays, strings, records, sorting, file creation and access, database access, Microsoft Windows screen creation, scientific applications, business applications, and various file conversion techniques. Prerequisite: Successful completion of IFS100 or IFS105.

3 credit hours.

IFS201  Introduction to Programming and Software Engineering II (no longer offered after Spring 2010)

Spring Semester
This course continues the development of programming and problem-solving skills, focusing on object-oriented methods such as namespaces, classes, attributes, methods, data abstraction, procedural abstraction, and the creation of dynamic link libraries (dlls). Programming projects for this course use the C# language. The core material for this course builds upon the information gleaned from IFS200. Emphasis is placed on analyzing business problems and creating information system solutions through object-oriented programming techniques. File organizations, storage concepts, database access as well as network utilization are presented. Prerequisites: IFS200 with a grade of 2.0 or higher and completion of MAT120 with a grade of 2.0 or higher.

3 credit hours.

IFS205  Workgroup Productivity Computing (no longer offered after Spring 2010)

Spring Semesters
This course focuses on the planning, design, implementation, and maintenance of software systems for facilitating working in teams. Examples of relevant group support systems such as collaborative systems, computer supported collaborative work (CSCW) systems, Group Decision Support Systems (GDSS), email, and video conferencing systems are examined. This course extends some of the concepts taught in IFS105 and introduces new concepts such as peer-to-peer networking, security and privacy of information, and data integrity in a multi-user environment. Prerequisites: Successful completion of IFS100 or IFS105.

3 credit hours.

IFS225  Programming Business Applications

Fall Semester
Students will build upon the basics presented in IFS175 and learn how to develop programs and software to support business operations. The student will learn via lectures, demonstrations, complex programming examples and assignments how to develop and support business software applications. The course will focus on data access, manipulation, and conversion as well as database access and the development of console, windows, and mobile applications. This course will firmly establish the concepts of coding, scripting, and API integration in support of business processes. Development will be in the C# and the “.net” environment. Prerequisite: IFS175 with a grade of 2.0 or higher.

3 credit hours.

IFS285  Introduction to Database

Spring Semester (beginning Spring 2011)
This course is an introduction to database technology and database theory. Students will learn the principles of sound relational database design as well as the use of Structured Query Language (SQL) for building data structures and retrieving data. The use of SQL will be emphasized through hands-on exercises and course projects. In addition to fundamental database design theory, students will also explore how organizations leverage database technology to strategically and operationally support multiple business functions and processes.

3 credit hours.
IFS305  Management Information Systems  
*Fall-Spring Semesters*

A comprehensive discussion of the role of computer based information systems in modern organizations. Integrates managerial and computer knowledge towards identifying and solving information problems. Computer literacy is extended to MIS literacy by means of hands-on project cases in Decision Support Systems. This is a writing-intensive and critical-thinking course. Prerequisite: Successful completion of IFS100 or IFS105 and completion of MGT150 with a grade of 2.0 or higher, or permission of instructor.

3 credit hours.

IFS320  Web Development  
*Fall Semester*

This course is an introduction to web-based system development methods. Emphasis will be placed on designing and building data-based solutions to common web-based, interactive, e-commerce, and collaborative information systems. Languages used may include Java, Perl, Visual Basic, C#, ASP, PHP, SQL, JavaScript, VBScript, XHTML, CSS, or others at the discretion of the instructor. Prerequisite: An introductory course in computer programming.

3 credit hours.

IFS325  Introduction to Networks  
*Spring Semester (becomes fall semester course in Fall 2011)*

This course provides a broad theoretical overview of computer and telecommunications networks. The Open Systems Interconnect (OSI) Model is used as the primary basis for examining what communications tasks need to be performed in order for electronic communications to occur. The Internet’s TCP/IP protocol stack is used as the primary example of how the OSI model may be implemented in practice. A thorough examination of how the TCP/IP protocols provides the student with a detailed understanding of the functioning of packet-based networks and the Internet. Lab-based exercises are used to demonstrate concepts where possible. Prerequisite: One semester of programming with a grade of 2.0 or higher.

3 credit hours.

IFS335  Advanced Networks Design  
*Fall Semester (becomes a spring semester course beginning Spring 2012)*

This course provides the student with the ability to design and support complex enterprise-wide networking solutions. It studies the conceptual design methodologies, planning and complexity involved in establishing and supporting organization connectivity. Emphasis will be on issues relating to designing and implementing IP infrastructure, directory services, file and print sharing, file system security, data storage technologies, and thin client. Consideration will be given to Novell, UNIX/Linux, and Microsoft based network infrastructures. Hands-on lab exercises are used extensively throughout the course. Prerequisite: IFS325 with a grade of 2.0 or higher.

3 credit hours.

IFS350  Hardware/Software Architectures  
*Spring Semester (no longer offered after Spring 2011)*

This course examines the architectures of modern computer hardware and systems software from an Information Systems point of view. At the conclusion of the course, students will know and understand the role and purpose of the major components comprising computer hardware. They will also understand the purpose of operating systems in controlling system resources to accomplish input, memory allocation/access, processing, and output. This course provides a functional overview of hardware and software that ties together the overall concept of computing. Prerequisite: IFS160 or IFS200 with a grade of 2.0 or higher.

3 credit hours.

IFS410  End-user Support Management  
*Fall Semester (no longer offered after Fall 2011)*

An introduction to the creation and maintenance of the end-user support functional area in organizations. Topics of discussion include technical support in selection of hardware and software, training in use of hardware and software, and assistance in use of computer information systems in solving business problems. Prerequisites: IFS205 with a grade of 2.0 or better, and IFS305 with a grade of 2.0 or higher.

3 credit hours.

IFS425  E-Commerce  
*Fall Semester (beginning Fall 2012)*

This course analyzes how organizations use elec-
tronic commerce to streamline operations, reach customers, and increase profitability. Technologies utilized in electronic commerce will be examine, with particular emphasis on Web-based technologies and issues. The organizational, behavioral, social, legal, security, and international aspects of e-commerce will be discussed. The course will mainly focus on e-commerce from a B2B and CRM point of view. Prerequisite: IFS305 with a grade of 2.0 or higher.

3 credits hours.

IFS435  Project Management
Fall Semester (beginning Fall 2012)
This is an IT and business project management (PM) course and is based on the PMBOK core knowledge areas. The course guides students through the application of project management process groups including initiating, planning, executing, monitoring and controlling, and closing out a project. Key topics include project selection and scoping, schedule development, risk management, quality planning, team building, project communication, progress reporting, and quality and cost management. Students develop a comprehensive IT project of their choice using MS Project in a collaborative setting. This is a senior-level course of IFS and Business majors. Prerequisite: IFS305 with a grade of 2.0 or higher.

3 credit hours.

IFS440  Business Systems Analysis & Design
Spring Semester (no longer offered after Spring 2012)
This course covers the concept of the computer systems development life cycle, including the analysis, design, and implementation of business software systems. The project management methodology will be used in the context of Information Technology projects such as installing and/or upgrading operational software, selecting systems development or acquisition solutions, implementation of eLearning web-based systems, or surveying end-user needs requirements. Individual assignments and a group project will be required. This is a writing/communications-intensive course. This is a capstone course and should be taken in the final semester. Prerequisite: IFS305 or IFS350 with a grade of 2.0 or higher.

3 credit hours.

IFS460  Database Management Systems
Fall Semester (no longer offered after Fall 2011)
A comprehensive discussion of relational database theory and design. Emphasis is on data structure and design for building robust and flexible data repositories. Semester-long projects will use popular database software. This course is designed to stimulate the critical thinking skills of the student. Prerequisite: IFS305 or IFS350 with a grade of 2.0 or higher.

3 credit hours.

IFS465  Business Analytics and Data Mining
Spring Semester (beginning Spring 2013)
This course presents a multidisciplinary (management, marketing, operations, finance, and statistical assessment) approach to the analysis of both structured and unstructured data. It focuses on the increasing need for businesses to search for, extract, analyze, and present complex ideas from raw sources of data. By applying a cross-functional technical and managerial perspective, the aspects of data mining, data warehousing, and visualization are rigorously defined and presented via lectures, examples, cases, and assignments to enable the student to conduct a wide variety of assessments in support of business operations and decision making. Prerequisite: IFS285 and IFS325 with grades of 2.0 or higher.

3 credit hours.

IFS470  Selected Topics in Information Systems
This course is a seminar in IFS intended to provide coverage of topics of special interest or noteworthy significance in the IFS field. Course requirements will generally include a course project. Prerequisite: Senior standing in the major or permission of the instructor.

3 credit hours.

IFS475  Information Security and Ethics
Spring Semester (beginning Spring 2013)
This course introduces the technical, managerial, and ethical aspects of information security and assurance. It provides the foundation for discussing the issues related to protecting the technical aspects of information resources, managing the cost/benefit relationship in protecting those resources and responding to security incidents, and evaluating the ethical issues related to lack of access to resources and the
privacy rights of customers, employees, and the general public. Prerequisite: IFS305 with a grade of 2.0 or higher.

3 credit hours.

IFS490, IFS491 Information System Internship I and II

Fall-Spring Semesters
Planned and supervised work experience in a computerized systems environment at selected cooperating firms. Internships require students to meet periodically with a faculty supervisor, provide a written deliverable, and participate in an end-of-internship evaluation. Prerequisite: Junior standing and departmental approval of each student participant’s individual program. The program requires approximately 10 hours per week for 12 weeks. Grading will be pass/fail.

3 credit hours each semester.

INTERNATIONAL BUSINESS

IBS200 Principles of International Business

Fall-Spring Semesters
This course provides an introductory overview of how the global business environment impacts decision making and planning within the multinational firm. Topics include: economic reasons for global trade, environmental factors that impact decision making (economic, cultural, political, legal), foreign market penetration strategies, and international considerations in a variety of business areas (finance, organizational design, staffing, marketing, strategic planning).

3 credit hours.

IBS361 Global Supply Chain Management

(see Management Course Description Section)

IBS370 International Marketing (see Marketing Course Description Section)

IBS375 International Management (see Management Course Description Section)

IBS401 International Economics (see Economics Course Description Section)

IBS405 International Finance (see Finance Course Description Section)

IBS410 International Entrepreneurship (see Entrepreneurship Course Description Section)

IBS415 International Accounting (see Accounting Course Description Section)

INTERNATIONAL STUDIES

INT143 Introduction to Africa

Fall-Spring Semesters
This course is an interdisciplinary overview of the people, cultures, art, music, history, and politics of the countries of Africa.

3 credit hours. Satisfies ADR V.

INT144 Introduction to East Asia

Fall-Spring Semesters
This course is an interdisciplinary overview of the
Languages

The College offers a baccalaureate major in Spanish and minors in Spanish, French, and German. Elementary-level courses in Italian, Latin, and Russian are offered on a regular basis.

The first year of foreign language study emphasizes the acquisition of rudimentary proficiency in listening comprehension, reading comprehension, and speaking. In intermediate and advanced courses, continued emphasis is placed on oral and written expression, along with an appreciation of literature and the cultural modes of the countries in which the language is spoken. Both elementary- and intermediate-level language courses have a required laboratory component and students complete the laboratory listening activities at their own convenience. Placement into the approved level of language study is essential to a positive learning experience. Placement will be based on the student’s previous experience in the language, and the following guidelines will be used to determine the correct placement:

**Elementary I:**
Designed for students with no previous experience with the language; students with one year of high school study or less will be placed in this language level.

**Elementary II:**
Designed for students who have passed Elementary I or its equivalent with a grade of 2.0 or higher; students with two years of high school study or the equivalent will be placed in this language level.

**Intermediate I:**
Designed for students who have passed Elementary II or its equivalent with a grade of 2.0 or higher; students with three to four years of high school study or the equivalent will be placed in this language level.

**Intermediate II:**
Designed for students who have passed Intermediate I or its equivalent with a grade of 2.0 or higher; students with more than four years of high school language study or the equivalent should enter this language level. Students may not earn credit for language study at a level below that recommended.

**ARB101  Elementary Arabic I**
This course is an introduction to the fundamental patterns and skills (speaking, listening, reading, and writing) of the language. No previous Arabic required.

3 credit hours. Satisfies ADR V.

**INT145  Introduction to Latin America**
*Fall-Spring Semesters*
This course is an interdisciplinary overview of the people, cultures, art, music, history, and politics of the countries of Latin America.

3 credit hours. Satisfies ADR V.

**INT146  Introduction to the Middle East**
*Fall-Spring Semesters*
This course is an interdisciplinary overview of the people, cultures, art, music, history, and politics of the countries of the Middle East.

3 credit hours. Satisfies ADR V.

**INT147  Introduction to Russia**
*Fall-Spring Semesters*
This course is an interdisciplinary overview of the people, cultures, art, music, history, and politics Russia and other countries of the former Soviet Union.

3 credit hours. Satisfies ADR V.

**INT150  Introduction to South Asia**
*Fall-Spring Semesters*
This course is an interdisciplinary overview of the people, culture, art, music, history, and politics of the countries of South Asia sub-continent, including India, Pakistan, Bangladesh, and other nations.

3 credit hours. Satisfies ADR V.

**Upper-level International Studies**
For students who wish to pursue upper-division International Studies courses, see the Political Science offerings.
ARB102  Elementary Arabic II
In this course students will increase their proficiency in Modern Standard Arabic (MSA) through practice in listening comprehension and speaking. Students will learn new tenses, they will learn to formulate more complex sentences in Arabic, and they will acquire sufficient vocabulary to be able to write short paragraphs in Arabic. In addition students will learn to read and understand simple texts in Modern Standard Arabic, and will also learn to appreciate some aspects of Arabic culture. Prerequisite: ARB101 or equivalent with a grade of 2.0 or higher.

3 credit hours. Satisfies ADR V.

INT101  Introduction to Indo-European Languages
Fall-Spring Semesters
This course is a comparative and historical approach to the development of Indo-European languages and the cultures associated with them. The course will enable students to gain greater insight into the evolution of English and many of the world’s most important languages such as Latin, Greek, Spanish, French, German, Russian, Hindi, and Farsi. Understanding language evolution, key components of language, writing systems, and the development of the world’s largest language family and its influence in the world of yesterday, today, and tomorrow are primary course objectives.

3 credit hours. Satisfies ADR V.

INT201  Introduction to World Languages
This course is an examination of the nature and origins of language, the main language groupings of the world, and the development of writing systems. Language groups from Europe and Central Asia, the Middle East, Africa, Southeast Asia and Polynesia, the Pacific, and Australia, as well as the Americas will be studied. Attention will be paid to the role of languages in the 20th and 21st centuries and the future of languages. The goal is to prepare students to become positive citizens in our complex world by applying in their respective careers the knowledge of language and its role in history and today’s society. Prerequisite: INT101 with a grade of 2.0 or higher.

3 credit hours. Satisfies ADR V.

FRENCH
FRN101  Elementary French I
Fall-Spring Semesters
This course is an introduction to the fundamental patterns and skills (speaking, listening, reading, and writing) of the language. No previous French required.

3 credit hours. Satisfies ADR V.

FRN102  Elementary French II
Fall-Spring Semesters
This course is a continuation of FRN101. Before entering this course, students are expected to be able to communicate at a basic level to satisfy immediate needs. In this level, students will learn to communicate beyond the present tense, to participate in short conversations, and to create with the language. Topics will continue to focus on survival skills such as asking/giving directions, making purchases, arranging transportation, and ordering a meal. Prerequisite: FRN101 or equivalent. Students must receive a grade of 2.0 or higher in FRN101 before enrolling in FRN102.

3 credit hours. Satisfies ADR V.

FRN201  Intermediate French I
Before entering this course, students are expected to be able to use learned material to create with the language. Familiarity with short selections from literature and the ability to answer simple questions about reading selections are expected. Students will be introduced to more advanced structures to further their language skills. Literary and cultural readings are of increasing complexity at this level. Class is conducted in the target language. Prerequisite: FRN102 or equivalent. Students must receive a grade of 2.0 or higher in FRN102 before enrolling in FRN201.

3 credit hours. Satisfies ADR V.

FRN202  Intermediate French II
This course is a continuation of FRN201. Before entering this course, students are expected to be able to participate in short conversations, transfer learned material to new situations/contexts, communicate about the present and past, write short compositions, and read short literary selections. Students must receive a grade of 2.0 or higher in FRN201 before enrolling in FRN202.

3 credit hours. Satisfies ADR V.
FRN203  French for Business
This course will introduce students to the specialized language of business in French, as well as business practices and behaviors in French-speaking cultures around the world. Students will work with contracts, invoices, and resumes, and will conduct role plays involving telephone calls and job interviews. Selected grammar topics will be reviewed as applicable. Prerequisite: FRN201 or permission of the instructor.

3 credit hours. Satisfies ADR V.

FRN205  Intermediate French Conversation
This is an intermediate-level course designed to help the student improve his or her oral communication skills in the French language. Emphasis will be on the acquisition of the necessary vocabulary and grammatical structures needed to function in a wide variety of everyday situations. Prerequisite: FRN201 or equivalent.

3 credit hours. Satisfies ADR V.

FRN206  Reading Strategies in French
Fall Semester
This course is designed to develop strategies to improve the students’ reading skills so that they may read more advanced texts in French, including newspaper and magazine articles, poetry, and short stories. Prerequisite: FRN202 or equivalent.

3 credit hours.

FRN303  French Culture/Civilization
Spring Semester
This course is a survey of French civilization and culture. It begins with a chronological overview of the history of France from prehistoric times to the present. Also included are the French achievements in literature, the arts, and the sciences. The second part of the course deals with family life, education, economic life, government, and leisure. Prerequisite: FRN202 or equivalent.

3 credit hours.

FRN315  French Literature I
A selection of major works of the French language. Emphasis on characteristic themes and styles. Prerequisite: FRN202 or equivalent.

3 credit hours. Satisfies ADR V.

FRN316  French Literature II
Continuation of FRN315.

3 credit hours. Satisfies ADR V.

GERMAN

GRM101  Elementary German I
Fall Semester
This course is an introduction to the fundamental patterns and skills (speaking, listening, reading, and writing) of the language. No previous German required.

3 credit hours. Satisfies ADR V.

GRM102  Elementary German II
Spring Semester
This course is a continuation of GRM101. Before entering this course, students are expected to be able to communicate at a basic level to satisfy immediate needs. In this level, students will learn to communicate beyond the present tense, to participate in short conversations, and to create with the language. Topics will continue to focus on survival skills such as asking/giving directions, making purchases, arranging transportation, and ordering a meal. Prerequisite: GRM101 or equivalent. Students must receive a grade of 2.0 or higher in GRM101 before enrolling in GRM102.

3 credit hours. Satisfies ADR V.

GRM201  Intermediate German I
Fall Semester
This course focuses on further development of the language skills through extensive exposure to spoken German, German conversation and cultural readings. Class is conducted in the target language. Prerequisite: GRM102 or equivalent. Students must receive a grade of 2.0 or higher in GRM102 before enrolling in GRM201.

3 credit hours. Satisfies ADR V.

GRM202  Intermediate German II
Spring Semester
This course is a continuation of GRM201. Before entering this course, students are expected to be able to use learned material to create with the language. Familiarity with short selections from literature and the ability to answer simple questions about reading selections are expected. Students will be introduced to more advanced structures to further their language skills. Literary and cultural readings are of increasing complexity at this level. Prerequisite: GRM201 or equivalent. Students must receive a grade of 2.0 or higher in GRM201 before enrolling in GRM202.

3 credit hours. Satisfies ADR V.
GRM203  German for Business
This course will introduce students to the specialized language of business in German, as well as business practices and behaviors in Germanic cultures. Students will work with contracts, invoices, and resumes, and will conduct role plays including telephone calls and job interviews. Selected grammar topics will be reviewed as applicable. Prerequisite: GRM201 or permission of the instructor.

3 credit hours. Satisfies ADR V.

GRM205  Intermediate German Conversation
This course is exclusively designed to strengthen students’ listening comprehension and speaking skills in German. Through personal interactions (dialogues with fellow students and instructor), visual and audio materials, and through individual and group presentations, these two most important and basic skills of language acquisition will be practiced and refined. Prerequisite: GRM202.

3 credit hours.

GRM206  Reading Strategies in German
This course focuses on strategies for developing skills needed to read “authentic” texts in German—including paper and online periodicals and short literary and cultural texts. Activities and assignments will be designed to facilitate comprehension, vocabulary expansion, and the oral and written exchange of ideas. In addition to reading texts assigned for the entire class, students will be asked to choose readings in a subject of interest to them in another field of study. Prerequisite: GRM202 or equivalent.

3 credit hours. Satisfies ADR V.

GRM301  Advanced German I
Fall Semester, alternate years
This course involves intensive readings, writing essays and reports, and making oral presentations in German. Class conducted in German. Prerequisite: GRM202.

3 credit hours. Satisfies ADR V.

GRM302  Advanced German II
Semester in Germany
This course focuses on speaking and applying German in the German cultural environment, experiencing and participating in native cultural activities, and writing a day-by-day diary in German.

3 credit hours. (Additional costs for travel, board, and room.)

GRM305  German Culture and Civilization
This course surveys and traces German civilization from its various tribal beginnings through the turbulent years of Particularism (German disunity), the disintegration of the Holy Roman Empire of German Nation, the power-struggle between Prussia and Austria, to the establishment of a German nation in 1871, and explains the effects of two World Wars, the division of Germany and its final reunification in 1990. It is also an overview of today’s subdivision of German culture as it exists in Germany, Austria, and Switzerland, and introduces the student to the modern and contemporary lifestyles, family traditions, and political as well as economical peculiarities of these German-speaking countries. This course is conducted in German. Prerequisites: GRM202.

3 credit hours.

GRM315  German Literature I
Fall Semester, alternate years
This course is a survey of selected representative works of German literature from the early Old High German period to the Age of Enlightenment. Prerequisite: GRM202.

3 credit hours. Satisfies ADR V.

GRM316  German Literature II
German Literature II is a survey of selected representative works of German literature beginning with the Age of Romanticism and Classicism to the post-World War Two era. Prerequisite: GRM202.

3 credit hours. Satisfies ADR V.

ITALIAN

ITL101  Elementary Italian I
Fall Semester
This course is an introduction to the fundamental patterns and skills (speaking, listening, reading, and writing) of the language. No previous Italian required.

3 credit hours. Satisfies ADR V.

ITL102  Elementary Italian II
Spring Semester
This course is a continuation of ITL101. Before entering this course, students are expected to be able to communicate at a basic level to satisfy immediate needs. In this level, students will learn to com-
municate beyond the present tense, to participate in short conversations, and to create with the language. Topics will continue to focus on survival skills such as asking/giving directions, making purchases, arranging transportation, and ordering a meal. Prerequisite: ITL101 or equivalent. Students must receive a grade of 2.0 or higher in ITL101 before enrolling in ITL102.

3 credit hours. Satisfies ADR V.

LATIN

LAT101 Elementary Latin I
Fall Semester
This course is an introduction to the fundamentals of the language and culture. Emphasis on language patterns, reading comprehension, and beginning writing skills. No previous Latin required.

3 credit hours. Satisfies ADR V.

LAT102 Elementary Latin II
Spring Semester
This course is a continuation of LAT101. Before entering this course, students are expected to be able to communicate at a basic level to satisfy immediate needs. In this level, students will continue practice with structures learned in Latin I. More complex forms are added and readings are of increased difficulty. Cultural readings emphasize the social and political history of Rome. Course includes some study of the Latin roots of English words. Prerequisite: LAT101 or equivalent. Students must receive a grade of 2.0 or higher in LAT101 before enrolling in LAT102.

3 credit hours. Satisfies ADR V.

PORTUGUESE

POR101 Elementary Portuguese I
This course is an introduction to the fundamentals of the Portuguese language and the culture of the many countries where Portuguese is spoken—Portugal, Brazil, and several African countries. Students will engage in many hands-on activities to enable them to acquire listening skills and a basic level of speaking, reading, and writing in Portuguese. No previous Portuguese is required.

3 credit hours.

POR102 Elementary Portuguese II
This course is a continuation of Elementary Portuguese I. In this level students will communicate about past and future events, participate in short conversations with classmates, write paragraphs on assigned topics, give brief presentations, and role play everyday situations. Prerequisite: POR101 or equivalent with a grade of 2.0 or better.

3 credit hours.

RUSSIAN

RUS101 Elementary Russian I
Fall Semester
This course is an introduction to the fundamental patterns and skills (speaking, listening, reading, and writing) of the language. No previous Russian required.

3 credit hours. Satisfies ADR V.

RUS102 Elementary Russian II
Spring Semester
This course is a continuation of RUS101. Before entering this course, students are expected to be able to communicate at a basic level to satisfy immediate needs. In this level, students will learn to communicate beyond the present tense, to participate in short conversations, and to create with the language. Prerequisite: RUS101 or equivalent. Students must receive a grade of 2.0 or higher in RUS101 before enrolling in RUS102.

3 credit hours. Satisfies ADR V.

SPANISH

SPN101 Elementary Spanish I
Fall-Spring Semesters
This course is an introduction to the fundamental patterns and skills (speaking, listening, reading, and writing) of the language. No previous Spanish required.

3 credit hours. Satisfies ADR V.

SPN102 Elementary Spanish II
Fall-Spring Semesters
This course is a continuation of SPN101. Before entering this course, students are expected to be able to communicate at a basic level to satisfy immediate needs. In this level, students will learn to communi-
cate beyond the present tense, to participate in short conversations, and to create with the language. Topics will continue to focus on survival skills such as asking/giving directions, making purchases, arranging transportation, and ordering a meal. Prerequisite: SPN101 or equivalent. Students must receive a grade of 2.0 or higher in SPN101 before enrolling in SPN102.

3 credit hours. Satisfies ADR V.

SPN107 Spanish for the Health Fields
Spring Semester
This course is designed in Spanish for students entering health-related fields. Emphasis is on commonly encountered topics and situations in a medical setting. The course enables the learner to communicate with Spanish-speaking clients. Included are Hispanic culture, customs, and traditions that have a bearing on the delivery of health services. Taught in Spanish. Course does not satisfy ADR V. Prerequisite: SPN101 or equivalent.

3 credit hours.

SPN125 Orientation to Mexico
Spring Semester
This course provides students with a general overview of Mexico—its customs, traditions, and some unique features of Mexican Spanish. Intended exclusively for students planning to participate in the Mini-Mester in Mexico. Taught in English.

1 credit hour.

SPN201 Intermediate Spanish I
Fall-Spring Semesters
Before entering this course, students are expected to be able to use learned material to create with the language. Familiarity with short selections from literature and the ability to answer simple questions about reading selections are expected. Further development of the language skills through extensive exposure to spoken Spanish, cultural and literary readings, and video. Class is conducted in the target language. Prerequisite: SPN102 or equivalent. Students must receive a grade of 2.0 or higher in SPN102 before enrolling in SPN201.

3 credit hours. Satisfies ADR V.

SPN202 Intermediate Spanish II
Fall-Spring Semesters
Before entering this course, students are expected to be able to use learned material to create with the language. Familiarity with short selections from literature and the ability to answer simple questions about reading selections are expected. Students will be introduced to more advanced structures to further their language skills. Literary and cultural readings are of increasing complexity at this level. Emphasis is on the application of Spanish language skills to reading of literary selections and responding in writing. Grammatical structures and vocabulary focus is on the areas that typically cause difficulty for second language learners. Prerequisite: SPN201 or equivalent. Students must receive a grade of 2.0 or higher in SPN201 before enrolling in SPN202.

3 credit hours. Satisfies ADR V.

SPN205 Intermediate Spanish Conversation
Fall-Spring Semesters
Through the use of journalistic materials, audio and video tapes, and in-class group activities, students will practice listening and speaking skills for use in everyday situations. Prerequisite: SPN202 or equivalent.

1 credit hour.

SPN206 Reading Strategies in Spanish
Fall-Spring Semesters
The course focuses on strategies for developing skills needed to read “authentic” texts in Spanish—newspapers, magazines, and short literary texts. Prerequisite: SPN202 or equivalent.

3 credit hours. Satisfies ADR V.

SPN301 Advanced Oral and Written Expression in Spanish
Spring Semester
This course is designed to provide students opportunities to refine their oral and written expression in Spanish in formal and informal settings through conversations, oral presentations, interviews, journal writing, and essays. Course is conducted in the target language. Prerequisite: SPN202 or equivalent.

3 credit hours. Satisfies ADR V.

SPN307 Spanish Civilization and Culture
Spring Semester, every other year
The focus of this course is the civilization and culture of Spain with emphasis on its great diversity. Current culture is considered in a historical context.
All readings and discussions are in the target language. Prerequisite: SPN202 or equivalent.

3 credit hours.

**SPN308 Spanish-American Civilization and Culture**

*Spring Semester, every other year*

The focus of the course is the civilization and culture of Spanish America from pre-colonial era to the present. Current cultural manifestations are considered in their historic context and are compared with those of U.S. culture. All readings and discussions are in the target language. Prerequisite: SPN202 or equivalent.

3 credit hours.

**SPN315 Introduction to the Literature of Spain**

*Spring Semester*

This course is a survey of Spanish literature from the Middle Ages to the 20th century. A selection of texts by Spanish authors will be read and discussed in class. Emphasis will be on identifying the main literary movements in Spain, as well as the characteristic themes and styles of each author. Prerequisite: SPN206 or equivalent.

3 credit hours. Satisfies ADR V.

**SPN316 Introduction to the Literature of Spanish America**

*Fall Semester*

This course is a survey of Spanish-American literature from the 17th century to the 20th century. A selection of texts by Spanish-American authors will be read and discussed in class. Emphasis will be on identifying the main literary movements in Spanish America, the characteristic themes and styles of each author, and the relationship between literature and society in Spanish America. Prerequisite: SPN206 or equivalent.

3 credit hours. Satisfies ADR V.

**SPN405 Spanish through Hispanic Cinema**

*Fall Semester, every other year*

The primary goal of this course, taught in Spanish, is to help students improve their Spanish language skills. The vehicle through which this goal is achieved is Hispanic film representing a wide range of countries and genres. As students view, discuss, and analyze the films, they will gain not only language skills, but also will develop their interpretive and critical-thinking skills, explore social and political problems, and gain insight into cultural perspectives of the Hispanic world as manifested in Hispanic cinema. Prerequisite: Six credits in Spanish above the 200 level.

3 credit hours.

**SPN415 19th Century Literature of Spain**

This course is a study of the main authors and literary movements in Spain during the 19th century through the analysis of selected texts. Close attention will be paid to the authors’ themes, styles, and techniques. Prerequisite: SPN315 or SPN316.

3 credit hours. Satisfies ADR V.

**SPN416 19th Century Literature of Spanish America**

This course is a study of the main authors and literary movements in Spanish America during the 19th century through an analysis of selected texts. Close attention will be paid to the relationship between society and literature in 19th-century Spanish America. Prerequisite: SPN315 or SPN316.

3 credit hours. Satisfies ADR V.

**SPN420 Advanced Spanish Grammar**

Students will sharpen their skills in the finer points of the Spanish language through the study of structures that cause particular difficulty for the native speaker of English. Prerequisite: Six credits in Spanish above the 200 level.

3 credit hours.

**SPN421 Spanish Translation**

The course is an introduction to translation from English to Spanish and Spanish to English and guidance in the use of materials essential to the translation process. The course provides opportunities for translation practice in various professional fields. Students who successfully complete the course will be able to produce translations that not only preserve the original meaning of the text, but also conform to the conventions of the language to which the text was translated. Prerequisites: Two Spanish courses completed at the 300 level with 2.0 or better.

3 credit hours.

**SPN425 Spanish Linguistics**

This course focuses on the comparison between...
English and Spanish in three areas: phonology, morphology, and syntax. Special attention is paid to the areas of interference between Spanish and English in an effort to help students improve pronunciation and understand the underlying structure of the target language. Prerequisite: Six credits in Spanish above the 200 level.

3 credit hours.

SPN435 Special Topics in 20th Century Spanish-American Literature
This course is a detailed study of 20th-century Spanish-American literature with the focus on one genre (novel, short story, poetry, drama). Close attention will be paid to the major authors within each group, their themes, styles and techniques, and how they portray contemporary Spanish American reality. Prerequisite: SPN315 or SPN316.

3 credit hours. Satisfies ADR V.

SPN436 Special Topics in 20th Century Literature of Spain
This course is an in-depth study of one aspect of 20th-century Spanish literature. The focus will be on one period, one genre, or a particular author, paying close attention to themes and styles, as well as the inter-relationships between literature and society in 20th-century Spain. Prerequisite: SPN315 or SPN316.

3 credit hours. Satisfies ADR V.

SPN450 Internship in Spanish
Students with sufficient background in Spanish may wish to complete an internship at a selected cooperating firm or organization. To earn academic credit, the internship must be completed at an approved site where the on-site supervisor has agreed to provide the intern with structured learning experiences that will assist them in achieving specific learning objectives. Internship study is available to matriculated students who have earned 60 or more credits and a 2.5 cumulative grade point average at the time of application.

3 credit hours.

SPN498, SPN499 Independent Study in Spanish
An opportunity for the student who wishes to undertake a well-defined research project in an area of Spanish language or literature. While the student conducts work under the guidance of a faculty member of his or her own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process.

3 credit hours.

Mini-Mester in Mexico
Students may earn three elective credits by participating in intensive Spanish language study in Mexico. Students live with Mexican families and study language and culture at an established language institute. No previous Spanish required. Contact foreign language coordinator for further information. Prerequisite: SPN125.

3 credit hours.

LITERATURE

LIT200 Perspectives in Literature
Perspectives in Literature introduces students to a range of literature and to the principles and methods of the discipline of literary studies. Students will learn current critical approaches to the reading, analysis, and interpretation of texts. This course is designed for the non-major.

3 credit hours. Satisfies ADR I.

LIT203 African-American Literature
This course is an introduction to representative writings by Black American authors, including those associated with the Harlem Renaissance.

3 credit hours.

LIT210 Studies in Criticism and Theory
Studies in Criticism and Theory is a focused study of key figures, themes, and issues in the field of text interpretation. Major movements may include New Criticism, Reader-Reception Theory, New Historicism, Structuralism, Deconstruction, Feminism, Postcolonialism, and Postmodernism. Prerequisites: WRT102.

3 credit hours.
LIT228  Foundations of English Studies
LIT228 engages students in the professional discourse of English studies, providing a foundation for the materials and methodologies of more advanced courses. Students will read in a variety of genres, including fiction, poetry, drama, and critical theory; they will examine their own approaches to texts and become familiar with the modes of analysis underlying contemporary literary studies. Students will be asked to demonstrate their facility with course content through short writing assignments and oral presentations.

3 credit hours.

LIT281  American Literature to 1885
American Literature to 1885 is an examination of American literatures from Pre-Columbian materials through the writings of late 19th-century authors. Textual interpretive strategies include historical and cultural approaches.

3 credit hours. Satisfies ADR I.

LIT282  American Literature After 1885
American Literature After 1885 is an examination of American literatures from the late 19th century to the present. Textual interpretive strategies include historical and cultural approaches.

3 credit hours. Satisfies ADR I.

LIT283  British Literature to 1750
This course examines works of British Literature from the Anglo-Saxon era through the 17th century, works that form a significant literary heritage for the English-speaking world.

3 credit hours. Satisfies ADR I.

LIT284  British Literature after 1750
LIT284 introduces some of the major figures, works, and ideas in British literature from the end of the 18th century to the present. Including poetry, fiction, non-fiction prose, and drama, this course examines the historical, cultural, and literary frameworks within which these literatures were produced, as well as highlights the distinctiveness of writers and texts generally recognized to be influential both within their periods and in later periods.

3 credit hours. Satisfies ADR I.

LIT285  European Literature to 1600
LIT285 examines representative works of early European literatures in translation, moving chronologically from the classical era through the Middle Ages and Renaissance, to illustrate the development of the genres and styles, themes, and motifs that shape Western literature as a whole.

3 credit hours. Satisfies ADR I.

LIT286  European Literature Since 1600
This course is a survey of historically significant European literary texts and movements from the early modern to the postmodern periods. Figures studied may include de Lafayette, Moliere, More, Rousseau, Voltaire, Goethe, de Stael, Holderlin, Pushkin, Gogol, Flaubert, Mallarme, Kafka, and others.

3 credit hours. Satisfies ADR I.

LIT291  The Short Story
This course provides an opportunity to read European and American short fiction from the time of Homer to the present, in order to see the development of the short story as a genre, as well as to develop valid critical judgments and intensive reading skills.

3 credit hours. Satisfies ADR I.

LIT310  Language and Linguistics

3 credit hours.

LIT313  American Novel
This course is a study of selected American novels, including works by such authors as Hawthorne, Melville, Twain, James, Cather, Wharton, Ellison, and Updike. Prerequisite: WRT102.

3 credit hours.

LIT322  Nineteenth-Century Novel
This course examines the period’s dominant form for representing middle-class experience and values. Typical focal points may include the emergence of industrial society, democratizing movements, and race and gender issues. Prerequisite: WRT102.

3 credit hours.
LIT323  Shakespeare I  
This course is a survey of Shakespeare’s achievement in several dramatic genres with emphasis on the comedies and histories. Prerequisite: WRT102.  
3 credit hours. Satisfies ADR I.

LIT324  Shakespeare II  
This course is a survey of Shakespeare’s achievement in several dramatic genres and the sonnets with emphasis on the tragedies. Prerequisite: WRT102.  
3 credit hours. Satisfies ADR I.

LIT326  Twentieth-Century British Literature  
This course examines modernist and post-modernist literatures, giving attention to issues of narrative and cultural fragmentation, the impact of the two world wars on British culture and writing, and the shifting notions of “Englishness” during a period of social change. Prerequisite: WRT102.  
3 credit hours.

LIT341  The Comic Tradition  
The Comic Tradition examines a variety of masterpieces of comic writing, from Aristophanes to Woody Allen. Prerequisite: WRT102.  
3 credit hours. Satisfies ADR I.

LIT342  Popular Literature  
This course is a critical examination of fiction and nonfiction, including “best sellers,” and other selections that have met with wide acceptance by the general reading public. Typical categories include historical romance, the mystery, science-fiction, and literary journalism, as well as mainstream works. Emphasis is on works by 20th- and 21st-century writers. Prerequisite: WRT102.  
3 credit hours. Satisfies ADR I.

LIT343  The Experience of Poetry  
LIT 343 is an introduction to the forms and techniques of the poet’s craft, with emphasis on the pleasure and insights gained from careful reading of a wide range of good poetry. Prerequisite: WRT102.  
3 credit hours. Satisfies ADR I.

LIT344/WGS344  Love and Sex in Literature  
This course is a thematic and historical study of the claims of love, sexuality, and gender as inspiration for and subject of imaginative literature. Prerequisite: WRT102.  
3 credit hours. Satisfies ADR I.

LIT346  Literature and Society  
Literature and Society examines how social problems, social attitudes, and social panaceas are depicted in literature. Selections studied include recent works as well as those from earlier periods. Prerequisite: WRT102.  
3 credit hours.

LIT347  Literature and Psychology  
This course is a study of literature as a conscious and unconscious search to understand patterns in human life. The student is invited to reflect upon literary texts in a variety of forms, old and new, for children and for adults. Prerequisite: WRT102.  
3 credit hours. Satisfies ADR I.

LIT348  Religion and Literature  
Religion and Literature provides an interdisciplinary examination of major themes, theories, issues, and movements in religious and literary studies. The course may include readings of Western and non-Western religious and literary traditions. Prerequisite: WRT102.  
3 credit hours.

LIT380  Major Authors and Literary Traditions  
This course provides thorough study of a single major author (such as Milton), a genre (like the literature of terror), a tradition (such as Nationalism), or a literary theory. The specific theme of these courses may be suggested either by faculty members or by students. These courses may be repeated for different topics. Prerequisite: WRT102.  
3 credit hours.

LIT381  Literary Theory  
This course offers a critical examination of approaches to literary interpretation, with an emphasis on theoretical schools and philosophical movements relevant to contemporary issues in humanities studies. Areas of focus may include, but are not limited to: aesthetics, culture, politics, gender, history, linguistics, race, and sexuality. Prerequisite: WRT102.  
3 credit hours.
LIT382/WGS382  Women in Literature
This course explores the connections between gender and literary expression by examining the cultural and literary patterns linking the lives of women and their works. Readings will include women’s writing in a number of genres such as poetry, drama, short story, and essay. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

LIT384  The Harlem Renaissance
This course examines the art and culture associated with the fertile period of African American aesthetic production in Harlem in 1925-1935. Students learn about the historical circumstances that led to the rise and decline of the movement, the contributions of Black intellectuals that led to its philosophical underpinnings, the exchanges between significant literary figures, and the intersection of literature with painting, music, dance, film, etc. The course further examines the relationship between Harlem Renaissance writers and ideas and those of cosmopolitan, transnational modernism as well as contemporary race theory. Prerequisites: WRT202 and any 200-level or above literature course.

3 credits.

LIT390  The Bible as Literature
This course is an introduction to the literary genres found in the Old and New Testaments. Students will study biblical epics, stories, and the poetry of the psalms. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

LIT391  Literature of Terror
This course examines the Gothic Tradition in literature as revealed in multiple genres. Authors studied in this course include such figures as Walpole, Coleridge, Mary Shelley, Poe, Hawthorne, Stoker, Stevenson, and Lovecraft. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

LIT393  Literature and Film
This course examines the longstanding and complex relationship between literature and film from a variety of different historical, critical, and theoretical perspectives. Special attention will be given to the process of adaptation by which filmmakers attempt to create cinematic analogues to pre-existing literary texts. Other possible topics might include a study of the way in which literary modes and traditions have helped to shape the development of the cinema as a medium and the way in which film has inspired or influenced some of the most important works of literature produced over the last century. Prerequisite: WRT102.

3 credit hours.

LIT395  Fantasy Literature
This course introduces students to fantasy literature, first defining the genre and then examining representative British and American works from the 20th and 21st centuries. A significant part of the semester will be spent analyzing J.R.R. Tolkien’s work and his influence. Prerequisite: WRT 202.

3 credits. Satisfies ADR I

LIT401  English Seminar
The Senior Seminar consists of directed research and writing under close supervision. Required for all English majors. Open to other students only with permission of the professor. Prerequisites: The completion of 50 credit hours and WRT102.

3 credit hours.

LIT416  Modern Drama
Modern Drama is a study of representative plays by major American and European playwrights from Ibsen to the present. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I

LIT450, LIT451  Literature Internship
The purpose of an internship is to provide students with practical training and supervised work experience in appropriate firms or organizations. Internships are designed to give students an opportunity to make use of the practical aspects of their classroom knowledge, to complement and extend their classroom experiences, and to develop their understanding and confidence through a work-related experience. Responsibilities will vary according to placement as determined by the work supervisors of the sponsoring agency and faculty coordinator. Students are required to spend a minimum of 120 hours work on site. Students must have earned 60 or more credits and a minimum of 2.5 cumulative grade point average at the time of application and complete an internship application.

3 credit hours.
LTC201  Personal Care & Assisted Living Administration  
Spring Semester  
This course is designed to enable students to focus on administration in personal care and assisted living homes. Topics will focus on administrative issues, regulations, fiscal management, physiological and psychosocial issues of this population. Students will have the opportunity to visit a personal care home and interview staff and residents.  
3 credit hours.

LTC300  A Marketing Perspective to Aging  
Fall Semester  
This course is designed to enable students to focus on skills for service delivery from a business and entrepreneurial perspective. Students will have the opportunity to learn assessment and research tools that are applied to a review of current business applications in health care, finance, environmental design, etc. Prerequisites: MKT220 and GER315.  
3 credit hours.

LTC310  Fiscal Issues in Long-Term Care  
Fall Semester, odd-numbered years  
This course will cover issues of fiscal management, including budgeting and third-party reimbursements. Risk management will be investigated in terms of financing, liabilities, and insurances.  
3 credit hours.

LTC330  Social Services in Long-Term Care  
Fall Semester  
This course will introduce the student to the body of knowledge and skills that are used to facilitate the social service function in skilled nursing facilities. Topics will include review of the applicable federal regulations, job descriptions for social service personnel, modalities of service delivery, evaluation and importance of a systems approach to resident services. Prerequisite: GER315.  
3 credit hours.

LTC495, LTC496, LTC497  Administrator-in-Training  
A carefully planned program to provide in-depth experience (with cooperating facilities) in all aspects of long-term care administration. Supplemental seminars, reports, and appraisals will be required. Credit awarded will be based on length and scope of each program. Prerequisite: Senior major with coordinator’s approval, 2.5 GPA.  
12 or 15 credit hours (LTC495-6 cr., LTC496-6 cr., LTC497-3 cr.)

LTC498, LTC499  Independent Study  
The Independent Study Program affords an opportunity for the student who wishes to undertake a well-defined research project. While the student conducts his work under the guidance of a faculty member of his own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process. Prerequisite: WRT102.  
1-3 credit hours.

LONG-TERM CARE ADMINISTRATION

LIT498, LIT499  Independent Study  
Independent study is an opportunity for the student who wishes to undertake a well-defined research project in an area of literary studies. While the student conducts work under the guidance of a faculty member of his or her own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process. Prerequisite: WRT102.  
1-3 credit hours.
MGT150 Principles of Management
Fall-Spring Semesters
An analysis of the managerial functions of planning, organizing, leading, and controlling. Additional topics include ethics, social responsibility, human resource management, organizational behavior, and decision making. The course is intended to develop a diagnostic management style for managing in diverse organizational situations. This is a writing/communications-intensive course.

3 credit hours. Satisfies ADR II.

MGT220 Human Resource Management
Fall-Spring Semesters
This course explores theories and concepts leading to effective utilization of human resources in organizations. Strategic human resource planning, recruitment, selection, socialization, training and development, career development, performance appraisal, rewards and compensation, benefits, safety and health, and labor relations are addressed within the context of a complex legal environment. Prerequisite: Completion of MGT150 with a grade of 2.0 or higher.

3 credit hours.

MGT305 Total Quality Management
Spring Semester
This course provides an introduction to the total quality management philosophy. The course is comprised of four major components: quality principles, problem solving, quality assurance, and quality management. Prerequisite: Completion of ACC225, MGT150, and QBA260 with grades of 2.0 or higher.

3 credit hours.

MGT310 Lean Systems
Fall Semester
This course discusses how lean methodologies can eliminate waste. The focus of the course is on the application of lean tools in service and manufacturing settings. Topics include: 5S, POUS, standardized work, SMED, Kaizen, value stream mapping, level loading, and Kanban. Prerequisite: Completion of ACC225, MGT150, and QBA260 with grades of 2.0 or higher.

3 credit hours.

MGT315 Human Resource Development
Fall-Spring Semester
This course provides an overview of the field of Human Resource Development (HRD) and includes modules on each of the major HRD functions. These include needs assessment, the design, planning and implementation of training and development activities, HRD management, and evaluation of HRD efforts. This course is aimed at those who are or will be involved in providing programs designed to improve skills and abilities of employees in operational, staff support, clerical, sales, and managerial positions. Prerequisite: Completion of MGT150 with a grade of 2.0 or higher.

3 credit hours.

MGT330 Labor Relations
Fall Semester
This course provides an overview of the collective bargaining process in the United States. The history of labor relations, organization, and purposes of unions and relevant labor laws provide an introduction to exploring specific topics. Such topics include negotiation of union contracts, grievance systems, and arbitration. Current events and issues are used to discuss the labor relations challenges of the 21st-century workplace. Prerequisite: Completion of MGT150 with a grade of 2.0 or higher.

3 credit hours.

MGT349 Service Management
Spring Semester
This course provides an introduction to the functional area of production and operations management as practiced in service organizations. Topics include: service strategy, positioning and marketing services, locating facilities, service quality, and managing demand and supply. Prerequisite: Completion of QBA260 or equivalent with a grade of 2.0 or higher.

3 credit hours.

MGT350 Operations Management
Fall-Spring Semesters
A course that focuses on the management of resources required to produce products and services within the framework of an organizational structure. The principles of operational processes, product/service development, forecasting, facility and layout,
planning, job design/work measurement, materials management, quality control, and research techniques are covered. This course is a writing/communication-intensive course. This course will include a non-credit communications laboratory that will meet outside of the normal class time. Prerequisite: Completion ACC225, ECO201, MKT100, MGT150, and QBA265 with grades of 2.0 or higher.

3 credit hours.

**MGT355 Business Process Management and Control**

*Fall 2009*

This course covers all facets of managing business processes. Topics covered include voice of customer, project management, process control, design of experiments, DMAIC, design for Six Sigma (including quality function deployment and robust design). Prerequisite: Completion of QBA265 or EGR305 with a grade of 2.0 or higher.

3 credit hours.

**IBS361 Global Supply Chain Management and Design (formerly MGT360)**

*Spring Semester*

The objective of this course is to prepare students to apply quantitative methods to effectively design and manage global supply chain operations. The course covers all phases of material management in both manufacturing and service organizations. The course addresses coordination and leadership issues in global supply chains that arise from cultural differences. Topics covered include: supply chain performance, planning demand and supply, inventory, sourcing, transportation, and coordination. Prerequisite: Completion of MGT350 or MGT355 with a grade of 2.0 or higher.

3 credit hours.

**MGT365 Purchasing Management**

Purchasing Management encompasses the processes, common to all businesses, by which organizations are supplied with the goods and services, including utilities, capital equipment, supplies, materials, and purchased parts, needed to achieve their objectives. Prerequisite: Completion of MGT350 with a grade of 2.0 or higher.

3 credit hours.

**IBS375 International Management (formerly MGT375)**

*Fall-Spring Semester*

This course emphasizes the management of business across borders in today’s global environment. Emphasis is placed on the manager’s decision-making process and connections between host country environments and multinational strategies. Topics include the role that information technology plays to blend variation in culture, politics, and economic conditions into a global economy. Another area of emphasis is how organizational and managerial dynamics can result in a multinational company’s competitive advantage. Prerequisite: Completion of MGT150 with a grade of 2.0 or higher.

3 credit hours.

**MGT420 Employment Law**

*Spring Semester*

An examination of the relevant legislation and regulation affecting human resource decision making, including issues of discrimination, unemployment insurance, workers’ compensation, salary and benefit administration, safety, and retirement. Prerequisite: Completion of MGT220 with a grade of 2.0 or higher.

3 credit hours.

**MGT435 Recruitment/Selection of Human Resources**

*Fall Semester*

This is an advanced human resource course that focuses specifically on the recruitment and acquisition of employees. Recruitment topics include: determining staffing needs, recruitment strategies and methods, factors influencing response rates and designing advertisements. The selection component covers job analysis methods, task analysis, developing job requirements and specifications, developing a selection plan, and a thorough analysis of selection instruments. An in-depth discussion of government regulations and the importance of evaluation will be included for both topic areas. A comprehensive project integrating all topics is required for successful completion of the course. Prerequisite: Completion of MGT220 with a grade of 2.0 or higher.

3 credit hours.
Marketing

MKT100  Principles of Marketing
Fall-Spring Semesters
Marketing begins with the market. Therefore, this course starts with the identification of potential customers. It then deals with decisions about the marketing mix (product, price, promotion, and distribution) that will satisfy those potential customers. The marketing mix decisions are made in light of today’s

MGT445  Ethical Leadership and Social Responsibility in Organizations
Fall-Spring Semesters
This course will examine the leadership role of managers in promoting ethics and corporate social responsibility in organizations. Topics of study will include business ethics, environmental issues, employee rights, government regulation, global management, the U.S. political system, discrimination/affirmative action, and the activities of multinational corporations. We will examine these issues through varying business ethic and social responsibility conceptual models. Prerequisite: Senior standing in a Business major.
3 credit hours.

MGT450  Special Studies in Management
A senior-level course designed to examine concepts and research concerned with special issues in the management discipline. Specific topics and faculty leaders will vary with each topic. Credit is given on the basis of work performed. This work may consist of papers based on the student’s knowledge of topics gained through academic research or experiential activities. Prerequisite: Permission of instructor.
3 credit hours.

MGT460  Advanced Operations Management
This course expands on the concepts and theories covered in MGT350 Operations Management course. Subject areas such as TQM (total quality management), JIT (just-in-time) management, operation systems design, flexible operation systems, ISO-9000 advanced technologies, and statistical process control are covered. In addition, emerging operations methodologies will be integrated into course content where applicable. Prerequisite: Completion of MGT350 with a grade of 2.0 or higher.
3 credit hours.

MGT490, MGT491  Management Internship
Fall-Spring Semesters
Planned and supervised work experience at selected cooperating firms. Internships require students to meet periodically with a faculty supervisor, provide a written deliverable, and participate in an end-of-internship evaluation. Prerequisite: Junior standing and departmental approval of each student participant’s individual program. The program requires approximately 10 hours per week for 12 weeks. Grading will be pass/fail.
3 credit hours each semester.

MGT492, MGT493  Management Internship
Planned and supervised work experience at selected cooperating firms. Internships require students to meet periodically with a faculty supervisor, provide a written deliverable, and participate in an end-of-internship evaluation. Students admitted to the Dual Degree Program must also schedule MBA506 with MGT492 and MBA507 with MGT493 to fulfill the work experience requirement. Prerequisite: Junior standing and departmental approval of each student participant’s individual program. The program requires approximately 10 hours per week for 12 weeks. Grading will be pass/fail.
3 credit hours each semester.

MGT495  Continuous Improvement Consulting
Spring Semester
This course is a capstone course for students interested in continuous improvement. In this course students apply continuous improvement techniques to real-life projects at selected cooperating organizations. Teams meet on a weekly basis with the instructor. Students write a report and present their findings to the sponsoring organization. Prerequisite: Completion of MGT310 and MGT350 or MGT355 with grades of 2.0 or higher.
3 credit hours.

MARKETING
and tomorrow’s changing environment including the economy, ecology, ethics, technology, culture, lifestyle, global markets, and competition.

3 credit hours.

MKT210  Market Measurement and Analysis  
**Fall Semester**

This course is designed to give students the tools to research secondary data and apply the data to specific needs in market evaluation and analysis. Students will be introduced to sources and uses of data from government, trade associations, and syndicated data services and other appropriate sources used by marketing professionals. Equal emphasis will be devoted to the data needs for both business-to-business and consumer markets. Students will also be introduced to the applied use and interpretation of analytic software such as SPSS. A class in statistics is not required for this class but would be beneficial.

Prerequisite: Completion of MKT100 with a grade of 2.0 or higher.

3 credit hours.

MKT220  Personal Selling  
**Fall Semester**

A study of selling fundamentals including the psychological principles of selling, customer attitudes and demand factors, the selling process, and the application of selling principles.

3 credit hours.

MKT230  Retailing  
**Fall Semester**

The objectives of this course are to help the student better understand and evaluate the specific activities of management, merchandising, and promotional functions required in the operation of a retail organization in a competitive business environment.

3 credit hours.

MKT310  Fashion Marketing  
**Fall Semester**

This course examines marketing principles and strategies as they apply to fashion trends, the domestic and foreign ready-to-wear market, the designer market, and the promotion and display of fashion.

Prerequisite: Completion of MKT100 with a grade of 2.0 or higher.

3 credit hours.

MKT320  Retail Buying and Merchandising  
**Spring Semester**

This course is designed to provide students with the theoretical and practical concepts required for successful buying and merchandising in retailing. Pre-requisite: Completion of MKT100 with a grade of 2.0 or higher.

3 credit hours.

MKT325  Hospitality Marketing  
**Fall Semester**

This course will provide the student with insights into the specialized types of marketing strategies that need to be developed to successfully promote the tourism, hospitality, and gaming industries. Due to the cyclical nature of these industries, special attention is given to successfully managing the marketing effort under conditions of uncertainty. Special emphasis is also placed on the ethical challenges of this industry.

Prerequisite: Completion of MKT100 with a grade of 2.0 or higher.

3 credit hours.

MKT330  Advertising  
**Fall Semester**

This course involves a study of the organization and functions of advertising from the viewpoint of management—types of advertising, media selection and evaluation, preparation of copy, and layout.

Prerequisite: Completion of MKT100 with a grade of 2.0 or higher.

3 credit hours.

MKT335  New Product Planning and Marketing  
**Fall-Spring Semesters**

Students completing this course will gain an appreciation of all aspects of new product development. A special focus will be placed on the development of the specialized skills associated with this function. Specific topics include the identification of market opportunities, techniques for new product idea generation and innovation, and the successful design, testing, launch, and evaluation of new products.

Prerequisite: Completion of MKT100 and QBA260 with grades of 2.0 or higher.

3 credit hours.

MKT340  Logistics  
**Fall Semester**

Logistics is the study of the movement of goods
through the value-added system. The goal of logistics is to maximize customer service while minimizing distribution costs. In today’s environment most organizations find that their suppliers and/or their markets are global. For this reason the course pays special attention to the special concerns of international distribution. Prerequisite: Completion of MKT100 and MGT150 with a grade of 2.0 or higher. (Note: this course also counts as a Management elective.)

3 credit hours.

MKT345 Tourism Marketing
Spring Semester
Tourism is the largest industry in the world. As students develop their education in the hospitality industry, they will need a founding in tourism. In this course, students will describe, discuss, and analyze the various segments of tourism and how tourism policies are formulated by local, regional, national, and international organizations, use proper steps to plan and conduct research in tourism, and analyze how tourism has changed. Students will develop marketing and promotional programs for a variety of tourism venues and opportunities. Prerequisite: Completion of MKT100 with a grade of 2.0 or higher.

3 credit hours.

MKT350 Business Marketing
Fall-Spring Semesters
This course investigates the challenges a marketer faces when the customer is a business or institution, rather than a consumer. Topics include the differences between consumer and business-to-business marketing, segmentation techniques, marketing mix decisions, international issues, and current events affecting the business-to-business marketer. Prerequisite: Completion of MKT100 with a grade of 2.0 or higher.

3 credit hours.

MKT355 Internet Marketing
Fall-Spring Semesters
This course is designed to introduce the student to the techniques of Internet marketing. Students will be introduced to the techniques and theories of using the Internet as a promotional tool (advertising media), distribution channel, and marketing research tool. A student completing this course will have a basic understanding of the Internet as a marketing tool. Prerequisites: Successful completion of IFS100 or IFS105, MKT100 with a grade of 2.0 or higher.

3 credit hours.

MKT360 Consumer Behavior
Fall-Spring Semesters
This course involves an analysis of consumer behavior with reference to spending and saving habits, product preferences, shopping behavior, leisure time patterns, social change, and mobility and the influence of advertising, selling, and fashion trends. Prerequisite: Completion of MKT100 with a grade of 2.0 or higher.

3 credit hours.

IBS370 International Marketing (formerly MKT370)
Spring Semester
The objective of this course is to help the student to better understand and evaluate marketing functions from the viewpoint of the international executive. Coverage will include international marketing policies relating to product adaptation, channels of distribution, pricing, communications, and cost analysis. Consideration will also be given to the cultural, legal, financial, and organizational aspects of international marketing. Prerequisite: Completion of MKT100 with a grade of 2.0 or higher. This is a writing/communications intensive-course.

3 credit hours.

MKT380 Sales Management
Spring Semester
This course involves an in-depth examination of the role of the sales manager. Areas covered include the recruiting, training, and supervision of salespersons; the organization of sales territories; compensation schemes; and sales forecasting. Prerequisite: Completion of MKT100 and MGT150 with grades of 2.0 or higher. This course may also count as a Management elective.

3 credit hours.

MKT390 Advanced Advertising
Spring Semester
This course covers the strategic use of advertising and related sales promotion in the marketplace. Emphasis placed on campaign development and coordination under conditions of uncertainty and multiple segmentation. Prerequisite: Completion of MKT330 with a grade of 2.0 or higher.

3 credit hours.
MATHEMATICS

MAT102  Preliminary Mathematics
Fall-Spring Semesters
This course is designed to develop students’ skills in preparation for MAT111. Topics will include algebra and problem-solving exercises for students whose backgrounds indicate the need for skill-building activities. This course may not be used to fulfill the mathematics core requirement. The credit hours earned will count as elective credits.

3 credit hours.

MAT104  Mathematics Study Skills
Fall-Spring Semesters
The Mathematics Study Skills course is a seven-week course designed to help students learn the necessary study skills needed to succeed in mathematics. The topics include reducing math test anxiety, improving note-taking skills, improving study techniques, and improving math test-taking skills. Corequisite: MAT105.

1 credit hour.
MAT105  College Algebra  
*Fall-Spring Semesters*

Designed to prepare students in algebraic skills. Topics include equations in one and two variables, inequalities, systems of equations, quadratic equations, polynomial functions, exponents, and logarithms. Corequisite: MAT104.

3 credit hours.

MAT107  History of Codes and Ciphers  
*Fall Semester*

This course details the history of codes and ciphers from ancient times to present, including their role in times of war and peace, as well as in literature. The impact made by their successes and failures are examined. The importance of such systems in the information age for individuals, as well as corporations and governments, is also covered. This course is aimed at a general audience and is not for Mathematics or Computer Science majors.

3 credit hours.

MAT108  Precalculus  
*Fall-Spring Semesters*

A one-semester course to prepare students for calculus. The course assumes a good background in algebra and will move quickly and thoroughly through all of the topics that students need to be prepared for calculus, algebra, functions, and trigonometry, as well as basic calculus concepts.

3 credit hours.

MAT111  Critical Thinking and Problem Solving in Mathematics  
*Fall and Spring Semesters*

The course will emphasize the use of mathematics to solve problems and will present situations where students develop critical-thinking skills. Topics may include inductive and deductive reasoning, statistics, financial management, units, percentages, probability, and exponential growth. Prerequisites: Placement into MAT111 is based on MSAT and high school mathematics background. Students who believe that they need additional mathematics preparation before taking MAT111 should consult the Mathematics Coordinator to determine if they will need to take MAT102 Preliminary Mathematics.

3 credits hours.

MAT115  The Structure of Sets and Numbers  
*Fall-Spring Semesters*

The topics of this course include set theory, logic, algorithms, geometry, measurement, number systems, and the historical development of the real number system. This course develops the mathematical basis upon which basic mathematics is built-in a manner consistent with national mathematics standards.

3 credit hours.

MAT120  Applied Calculus  
*Fall-Spring Semesters*

This is a one-semester course designed for Business, Biology, and other majors needing an applied calculus course. Included topics are: calculating derivatives, maximum-minimum problems, curve sketching, calculating integrals and determining area under curves – and applications. The course uses applications from the business sector, and from life sciences and the social sciences. A recent and solid algebra background is essential for success in this course. Prerequisite: A 2.0 or higher in MAT105 or the equivalent.

3 credit hours.

MAT150  Using Data to Improve Decision Making  
*Fall-Spring Semesters*

This is a course for secondary educators. Topics include materials on the PRAXIS-PPST Mathematics test, statistics, and other mathematics relevant to the secondary teacher. Methods for conducting classroom research and in interpreting professional research will be included. Prerequisite: MAT111 or above.

3 credit hours.

MAT171  Calculus I  
*Fall-Spring Semesters*

Both a theoretical and an applied approach to physics and engineering are emphasized in this in-depth study of introductory calculus topics. The topics of the course include a review of algebra and trigonometry, limits, differentiation, and applications of the derivative. Prerequisite: A strong background in algebra and trigonometry or precalculus.

4 credit hours.
MAT172  Calculus II  
**Fall-Spring Semesters**
Topics in this second course in calculus include the definition and theory of the definite integral; numerical integration; integral applications; the calculus of logarithms, exponential, inverse, and hyperbolic functions; techniques of integration; and applications of the integral to physics and engineering. Prerequisite: MAT171 with a grade of 2.0 or higher.  
4 credit hours.

MAT215  The Structure of Sets and Numbers II  
**Fall-Spring Semester**
Designed to provide foundational mathematical concepts that are in concert with national mathematics standards, the topics of this course include geometry, probability, statistics, patterns and relationships, and problem solving. Prerequisite: MAT115 with a grade of 2.0 or higher.  
3 credit hours.

MAT210  Strategies for Teaching Basic Mathematics Skills  
**Spring Semester**
This course will cover a wide range of topics taken from Preliminary Mathematics (MAT102), College Algebra (MAT105), Pre-Calculus (MAT108), The Structure of Sets (MAT115), and Applied Calculus (MAT120). Concurrently, the students will learn effective current tutoring methodologies from the text and from current pedagogical journal articles, as well as gain application experience in these methods by observing developmental classrooms, shadowing effective math tutors, and working with experienced teachers. Prerequisite: 2.0 or higher in MAT120 or MAT171.  
3 credit hours.

MAT211  Strategies for Teaching Basic Mathematics Skills Practicum  
**Fall Semester**
Under the supervision of the Learning Resource Center (LRC) Math Coordinator, the students will actively engage in tutoring each week. Students will spend a minimum of two hours each week in the LRC tutoring, completing coursework, observing, or meeting/planning with the LRC mathematics coordinator. Students will work with tutees on an individualized basis as well as in small group settings. Students will model effective strategies observed in successful tutoring sessions and learned in MAT210. By continually evaluating the effectiveness of specific strategies, students will learn the best approach for a variety of situations. Education majors will receive 30 field experience hours in the community program block. Prerequisite: 3.0 or higher in MAT210.  
1 credit hour.

MAT230  Exploring Math with Computer  
**Fall-Spring Semester**
Algorithms in several areas of mathematics are conceptually developed and then tested through computer programs. Topic areas include, but are not limited to, cellular automata, cryptology, fractals, number theory, and numerical methods. Prerequisites: MAT172 with a grade of 2.0 or higher and a programming language such as C/C++.  
3 credit hours.

MAT235  Discrete Mathematics  
**Fall-Spring Semesters**
A course in discrete mathematics emphasizing the finite and combinatorial aspect of many mathematical structures and problems. It includes applications to computer science and probability. Prerequisites: MAT171, MAT172 each with a grade of 2.0 or higher.  
3 credit hours.

MAT250  Elements of Statistics  
**Spring Semester**
An introductory course that includes probability distributions, confidence intervals, hypothesis testing, analysis of variance, and linear regression. Prerequisite: MAT105 with a grade of 2.0 or higher, or equivalent. Students who have taken BEH260 or QBA260 are not permitted to take this course.  
3 credit hours.

MAT260  Linear Algebra  
**Spring Semester**
An introductory course in linear equations, determinants, vectors in the plane and in space, vector spaces, linear transformations, and eigenvalues. Designed as a serious mathematics course for students in the physical sciences, mathematics education, business, or the mathematically curious. Prerequi-
site: MAT105 with a grade of 2.0 or higher, or the equivalent.

3 credit hours.

MAT271  Calculus III*
Fall-Spring Semesters
In this third course in calculus, students study infinite series, conic sections, vectors, and the calculus of three-dimensional space, polar coordinates, partial derivatives, and multiple integrals with applications to physics and engineering. Prerequisite: MAT172 with a grade of 2.0 or higher.

4 credit hours.

MAT272  Differential Equations*
Fall-Spring Semesters
The course in differential equations covers the standard methods of solving ordinary differential equations and their applications to physics and electrical and mechanical engineering. Topics include methods for first solving order differential equations; second and higher-order equations; numerical methods for non-linear differential equations; and series solutions. Prerequisite: MAT172 with a grade of 2.0 or higher.

4 credit hours.

MAT280  Mathematical Structures*
Fall-Spring Semesters
A first course in pure mathematics. Topics include sets, logic, mathematical proofs, relations, and functions. Prerequisite: 2.0 or higher in all Math courses taken at York College.

3 credit hours.

MAT320  Number Theory
This course is a bridge connecting Calculus to Advanced Calculus and Abstract Algebra. Its main subjects are: integers and rational numbers, divisibility, prime numbers, congruences, Diophantine equations, and Gauss’ quadratic reciprocity law. Through the course, students will learn how to write a formal proof in a concrete setting and also use the method of contradiction and by induction to prove theorems.

3 credit hours.

MAT340  Introduction to Geometry*
Spring Semester, even-numbered years
An introduction to Euclidean geometry with some topics in non-Euclidean geometry. (Note: This course is not appropriate for Secondary Education-Mathematics or Mathematics majors.)

3 credit hours.

MAT345  Modern Geometry*
Spring Semester
A rigorous survey of Euclidean geometry, recent additions to Euclidean geometry, non-Euclidean geometries, and additional topics. Geometer’s Sketchpad and/or other software will be used. Knowledge of Euclidean geometry is required for this course.

3 credits hours.

MAT350  Probability and Statistics*
Fall-Spring Semesters
A calculus-based course in probability and statistics that will involve probability and a study of the distributions and expected values of continuous and discrete random variables. Prerequisite: MAT172 with a grade of 2.0 or higher.

3 credit hours.

MAT355  Math Standards
Spring Semester
A course to be taken with SE355 Teaching Mathematics in the Secondary School, this course will cover the mathematics content of the National Council of Teachers of Mathematics’ Principles and Standards, and relate them to the teaching of mathematics at the secondary school level. Corequisite: SE355. This course does not satisfy the core mathematics requirement.

1 credit hour.

MAT360  Advanced Linear Algebra
Fall Semester, odd-numbered years
This course covers linear algebra at an advanced level with a theoretical approach. It aims to provide students with the concepts and theorems of linear algebra needed to pursue more advanced math courses, such as Analysis, Abstract Algebra, and Geometry. Topics covered include: basis and dimension, quotients, linear maps and matrices, determinants, dual spaces and maps, invariant subspaces, canonical forms, diagonalization and Jordan forms, metric vector spaces and bilinear forms, Euclidean, unitary and symplectic spaces, Orthogonal and unitary operators.

3 credit hours.
MAT361 Abstract Algebra I*
*Fall Semester, odd-numbered years*
An introduction to modern abstract algebra, the topics of this course include modular arithmetic, number theory, and group theory. This course requires a high degree of mathematical maturity and the ability to work with abstract mathematical concepts. Prerequisite: MAT280 with a grade of 2.0 or higher.

3 credit hours.

MAT362 Abstract Algebra II*
*Spring Semester, even-numbered years*
A continuation of MAT361, this course covers the remaining topics in modern abstract algebra—rings and fields. Prerequisite: MAT361 with a grade of 2.0 or higher.

3 credit hours.

MAT371 Elementary Analysis I*
*Fall Semester*
An introduction to the field of real analysis, a theoretical study of the topology of real numbers, differentiation, and continuity. Concepts encountered in Calculus I, II, and III, as well as in Mathematical Structures MAT 280, will be studied in much greater detail. Prerequisites: MAT271, MAT272, MAT280 each with a grade of 2.0 or higher.

3 credit hours.

MAT372 Elementary Analysis II*
*Spring Semester*
A continuation of MAT371, the topics in this course include convergence and integration. Prerequisite: MAT371 with a grade of 2.0 or higher.

3 credit hours.

MAT391 Cryptology
*Spring Semester*
This course is focused on modern cryptology. It begins with a study of matrix encryption and the various attacks that show it to be insecure. Algorithms such as DES (Data Encryption Standard) and AES (Advanced Encryption Standard) are examined in detail, as is public key cryptography. Quantum cryptography is also covered. Prerequisite: MAT171 with a grade of 2.0 or higher.

3 credit hours.

MAT440 Advanced Geometry*
A senior-level course with various emphases including advanced topics in Euclidean geometry, transformational geometry, and projective geometry. Prerequisite: MAT345 with a grade of 2.0 or higher.

3 credit hours.

MAT470 Numerical Analysis*
*Spring Semester, odd-numbered years*
This is an advanced mathematics course covering selected topics in the field of applied mathematics. These topics will include: Taylor series expansions and approximations, numerical integration and differentiation, solution of systems of equations, and numerical solution of ordinary and partial differential equations representing dynamics of physical systems. Solutions to the differential equations may be applied to mathematical modeling of vibrations, fluid flow, heat transfer, or other dynamical phenomena. The student will be required to write several computer programs for this course. Prerequisites: MAT272 with a grade of 2.0 or higher, knowledge of C++ or Visual Basic.

3 credit hours.

MAT473 Partial Differential Equations*
An introduction to the study of partial differential equations, concentrating on the three major partial differential equations of mathematics and physics: the Heat Equation, the Wave Equation, and LaPlace’s Equation. Prerequisite: MAT272 with a grade of 2.0 or higher.

3 credit hours.

MAT477 Complex Analysis*
A one-semester course in the theory and applications of functions of a complex variable. Topics include the Cauchy-Riemann equations, Cauchy’s theorem and contour integration, series representation of analytic functions, residue theory, and conformal mapping. Prerequisites: MAT272, MAT371 each with a grade of 2.0 or higher.

3 credit hours.

MAT480 Point-Set Topology*
*Spring Semester, odd-numbered years*
A study of topological spaces and related concepts, including closed and open sets, subspaces, the product topology, connectedness, compactness, and the separation axioms. Prerequisites: MAT172, MAT280 each with a grade of 2.0 or higher.

3 credit hours.
MAT490  Mathematics Internship
This off-campus internship is designed to give the students an opportunity to make use of the practical aspects of their classroom knowledge, thus developing their confidence and understanding through experience. The corporate supervisor and the faculty supervisor will evaluate student’s performance. Prerequisites: Junior standing including MAT171, MAT172, MAT271, and MAT272, each with a grade of 2.0 or higher as well as department approval of each participant’s individual program.

3 credit hours.

MAT491/492  Directed Experience in Mathematics Teaching
Juniors and seniors majoring in Mathematics or Secondary Education-Mathematics may apply for admission into this course. Students will work under the supervision of a faculty mentor and assist with teaching MAT102 Preliminary Mathematics, MAT105 College Algebra, MAT108 Pre-calculus Mathematics, or MAT111 Critical Thinking and Problem Solving.

3 credit hours.

MAT493  Senior Seminar
Spring Semester, odd-numbered years
The senior seminar in mathematics provides a capstone academic experience for Math majors and helps prepare them for the job market and graduate school. The course will have two facets: (1) presentation of major theorems, proofs, and problems from the undergraduate curriculum to the class and (2) researching a mathematics topic from the undergraduate curriculum, writing a paper on the findings, and presenting the findings before the class and others. Prerequisite: MAT271, MAT260, and senior standing.

3 credit hours.

MAT495  History of Mathematics*
Fall Semester
A study of the historical development of mathematical ideas. The course emphasizes the contributions to mathematics made by different cultures. Prerequisite: MAT172 with a grade of 2.0 or higher and a minimum of 89 credits.

3 credit hours.

MAT496, MAT497  Reading and Research in Mathematics
Fall-Spring Semesters
The course is designed to allow the student to pursue an area of interest in the field of mathematics. This course is limited to seniors who have previously demonstrated a high degree of proficiency in mathematics.

3 credit hours.

MUSIC

Applied Courses

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PERFORMANCE COURSES

MUS140-141; MUS240-241  Class Piano
A series of four graduated piano classes (0.5 credits each) designed to prepare Music majors, Music minors, and other interested students to pass the Piano Proficiency Examination. Overall musicianship, scales, modes, chords, modulation, analytical skills, playing by ear, and the performance of a simple piece are stressed.

0.5 credit hours.

MUS148, MUS149  Guitar Class
Fall and Spring Semesters
Guitar class is a study of basic single note melody playing and chording accompaniment on the guitar through the use of tablature and standard notation. Basic music theory study is included.

1 class period.
1 credit hour.

MUS150-151; MUS250-251; MUS350-351; MUS450-451  York College Chorale
Fall and Spring Semesters
The York College Chorale is a mixed concert choir open to all Music majors and other experienced singers. The group is dedicated to the study and performance of serious choral music from many style periods.

3 rehearsals weekly. Satisfies ADR I.
1 credit hour.

MUS152-153; MUS252-253; MUS352-353; MUS452-453  Chamber Singers
Fall and Spring Semesters
The York College Chamber Singers is a select ensemble of 16-20 voices, and is open to all college students by audition only. This ensemble specializes in a capella literature from all style periods, and performs frequently both on and off campus. Interested students must contact the Director of Choral Activities to arrange an audition.

3 rehearsals weekly. Satisfies ADR I.
1 credit hour.

MUS154-155; MUS254-255; MUS354-355; MUS454-455  Opera and Musical Theater
Fall and Spring Semesters
This is a music ensemble dedicated to the production of music-theater, including opera, operetta, and selected Broadway musicals. Students will be given the opportunity to perform in fully staged productions. Auditions are required.

1 credit hour. Satisfies ADR I.

MUS156-157; MUS256-257; MUS356-357; MUS456-457  Vocal Repertoire
Fall and Spring Semesters
This is a repertory-based course designed to augment the applied vocal student’s knowledge of vocal repertoire through group exposure to a wide variety of songs and arias from the Baroque, Classic, Romantic, and 20th-century periods.

1 credit hour.

MUS160-161; MUS260-261; MUS360-361; MUS460-461  Wind Symphony
Fall and Spring Semesters
The York College Wind Symphony provides training in the interpretation and performance of traditional and modern concert band literature. The band performs concerts open to the public. Membership is open to all students who have had prior band experience. Students must audition for acceptance and placement.

2 rehearsals weekly. Satisfies ADR I.
1 credit hour.

MUS162-163; MUS262-263; MUS362-363; MUS462-463  Jazz Ensemble
Fall and Spring Semesters
The Jazz Ensemble is open to all students with concert and/or stage band experience. Students in the group study the art of improvisation and learn to perform in all jazz styles, including swing, bop, cool, blues, and rock.

2 rehearsals weekly. Satisfies ADR I.
1 credit hour.
MUS164-165; MUS264-265; MUS364-365; MUS464-465  Symphony Orchestra  
**Fall and Spring Semesters**  
The York College Orchestra is open to all Music majors and other qualified music students. The Orchestra studies and performs the standard orchestral repertoire and selected contemporary compositions. The group maintains an active concert schedule each semester.  
- **2 rehearsals weekly. Satisfies ADR I.**  
- **1 credit hour.**

MUS166-167; MUS266-267; MUS366-367; MUS466-467  String Ensemble  
**Fall and Spring Semesters**  
The York College String Ensemble is open to all students with performance experience on a string instrument. Membership is limited to an effort to create a balanced string quartet (first and second violins, viola and cello) that will allow rehearsal and performance of traditional string quartet literature. Other instruments may be added at the discretion of the instructors.  
- **1 or 2 rehearsals weekly. Satisfies ADR I.**  
- **1 credit hour.**

MUS168-169; MUS268-269; MUS368-369; MUS468-469  Brass Choir  
**Fall and Spring Semesters**  
The York College Brass Choir is open to all students with performance experience on a brass instrument. Membership is limited only in an effort to create a balanced instrumentation that will allow rehearsal and performance of traditional brass choir literature.  
- **1 or 2 rehearsals weekly. Satisfies ADR I.**  
- **1 credit hour.**

MUS170-171; MUS270-271; MUS370-371; MUS470-471  Woodwind Ensemble  
**Fall and Spring Semesters**  
The York College Woodwind Ensemble is open to all students with performance experience on a woodwind instrument. Membership is limited only in an effort to create a balanced instrumentation that will allow rehearsal and performance of traditional woodwind ensemble literature.  
- **1 or 2 rehearsals weekly. Satisfies ADR I.**  
- **1 credit hour.**

MUS172-173; MUS272-273; MUS372-373; MUS472-473  Percussion Ensemble  
**Fall and Spring Semesters**  
The York College Percussion Ensemble provides percussionists with an opportunity to play challenging music written specifically for their instruments. The Percussion Ensemble requires its members to be schooled in all areas of percussion.  
- **1 rehearsal weekly. Satisfies ADR I.**  
- **1 credit hour.**

MUS174-175; MUS274-275; MUS374-375; MUS474-475  Keyboard Ensemble  
**Fall and Spring Semesters**  
The Keyboard Ensemble is open to all students with performance experience at the piano. Membership is limited by the instructor and may include two or more pianists who will rehearse and perform traditional piano ensemble literature.  
- **1 or 2 rehearsals weekly. Satisfies ADR I.**  
- **1 credit hour.**

MUS176-177; MUS276-277; MUS376-377; MUS476-477  Guitar Ensemble  
**Fall and Spring Semesters**  
The York Guitar Ensemble provides ensemble performance experience, incorporating works for two or more guitars in combination with other instruments and voice. Literature ranges from the Renaissance to contemporary.  
- **2 rehearsals weekly. Satisfies ADR I.**  
- **1 credit hour.**

MUS300  Music Theater and Company  
**Summer Semester**  
The Music Theater & Company is dedicated to the production of all types of music theater, including Broadway musicals, opera, and operetta. Students taking this course participate in a summer dinner theater production, drawing larger crowds from the College and community. Rehearsals are TBA.  
- **3 credit hours. Satisfies ADR I.**

HISTORICAL AND THEORETICAL MUSIC COURSES

MUS180  Jazz Improvisation  
“Improvisation: to compose, play, sing, or write on the spur of the moment—to extemporize.” Students
will gain a knowledge of basic musical chord structure and progression. Fundamental jazz theory and harmony will be emphasized along with the construction of an improvised melodic phrase. Models from Jazz History will be analyzed.

2 credit hours.

**MUS181 Foundations of Music Theory**  
*Fall and Spring Semesters*  
Foundations of Music Theory is an introduction to the study of music theory. Music notation, scales, intervals, chords, and rhythms are explored through seeing, sharing, writing, singing, and playing. Enrollment is at the discretion of the instructor. This course may not be used to fulfill Music major requirements. Students who are required to take MUS181 before enrolling in MUS182 or MUS184 must receive a 2.0 or higher in MUS181.

3 credit hours. Satisfies ADR I.

**MUS182 Music Theory I**  
*Spring Semester*  
Music Theory I is a study of music notation, basic musicianship, figured-bass harmony, keyboard, harmony, literature, style, form, and analysis. Prerequisite: MUS181 or permission of the instructor.

3 credit hours. Satisfies ADR I.

**MUS183 Music Theory II**  
*Fall Semester*  
Music Theory II is a continuation of MUS182, which is a prerequisite for this course. The course must be taken in the same semester as MUS185.

3 credit hours.

**MUS184 Sight Singing and Ear Training I**  
*Spring Semester*  
SS&ET I provides the development of the skills of sight singing and melodic, harmonic, rhythmic dictation. The course must be taken in the same semester with MUS182.

1 credit hour.

**MUS185 Sight Singing and Ear Training II**  
*Fall Semester*  
SS&ET II is a continuation of MUS184, which is a prerequisite for this course. The course must be taken in the same semester as MUS183.

1 credit hour.

**MUS200 Music Appreciation**  
*Fall and Spring Semesters*  
Music Appreciation is the study of the Western world’s changing attitudes about music, and the musical styles and techniques developed to express them.

3 credit hours. Satisfies ADR I.

**MUS245 Exploring Music in Film**  
*Fall and Spring Semesters*  
Exploring Music in Film will examine the role of original music in narrative films from the beginnings of cinema in the 1890s to the present. Explorations of the functions and aesthetics of music in various film genres of the American cinema will be the main focus, with consideration given to adapted scores, soundtracks and music used in foreign films. A prior knowledge of music and/or film history is not required.

3 credit hours. Satisfies ADR I.

**MUS246 Jazz and Popular Music Theory**  
*Spring Semester*  
Jazz and Popular Music Theory is the study of melody, rhythm, harmony, chords, scales, and modes found in jazz and popular music. Students will learn to play and/or sing in jazz and popular styles, and will be expected to produce simple compositions and arrangements, using all of these elements as they relate to jazz and popular music. Prerequisite: MUS183.

3 credit hours.

**MUS247 Commercial Song Writing**  
*Fall Semester*  
Commercial Song Writing is designed to provide music students with practical opportunities to compose and arrange commercial and popular music. Students will study and analyze the musical elements and concepts that make commercial and popular music successful, followed by the creation of their own original compositions and/or arrangement. Prerequisite: MUS246.

3 credit hours.

**MUS248 Opera Literature**  
*Alternate years*  
This course is a survey of opera from its beginnings in the early 17th century to the present. The course will emphasize the various types of opera found in Italy, France, Germany, England, and America. Special attention will be given to listening exercises and the analysis of the various types of opera.

3 credit hours.
MUS249  Piano Literature
Alternate years
This course is a survey of piano repertoire by major composers from the Baroque era (ca. 1600) to the present. Students will examine performance practice, interpretations, and available editions encountered by potential piano teachers. Prerequisites: Two semesters of Applied Piano.

3 credit hours.

MUS281  World Music
Fall and Spring Semesters
This course examines diverse cultures through the window of music. It is a journey around the world, weaving a musical web through Africa, Spain, Greece, the Middle East, India, China, Japan, the Caribbean, Latin, and Native American cultures. The course is meant to broaden one’s view of the new global village through a unique study of world music.

3 credit hours. Satisfies ADR I.

MUS282  Music Theory III
Spring Semester
Music Theory III is a continuation of MUS183, which is a prerequisite for this course. Emphasis is placed on the more complex chord structures developed in the 19th century.

3 credit hours.

MUS283  Music Theory IV
Fall Semester
Music Theory IV is a continuation of MUS282, which is a prerequisite for this course. Emphasis is placed on the styles and developments found in the 20th century.

3 credit hours.

MUS284  Sight Singing and Ear Training III
Spring Semester
SS&ET III is a continuation of MUS185, which is a prerequisite for this course. This course must be taken in the same semester as MUS282.

1 credit hour.

MUS285  Sight Singing and Ear Training IV
Fall Semester
SS&ET IV is a continuation of MUS284, which is a prerequisite for this course. This course must be taken in the same semester as MUS283.

1 credit hour.

MUS286  Jazz History
Fall and Spring Semesters
This course traces the historical development of jazz from the end of the 19th century to the present.

3 credit hours. Satisfies ADR I.

MUS287  American Popular Music
Fall and Spring Semesters
American Popular Music explores the evolution and development of numerous American popular music genres in respect to historic aspects of American culture. The course content examines musical characteristics specific to each music style. The lectures focus on musical distinctions defining various music genres. Audio and video presentations highlight the major performers and composers of each style. While this course does not require music reading skills, it does explore American popular music at an advanced level.

3 credit hours. Satisfies ADR I.

MUS288  History of Rock and Roll
Fall and Spring Semester
This course is a survey of the history and development of rock and roll and the entertainment industry that surrounds it. Emphasis is placed on a study of rock music from its origins to present. Lectures will focus on musical distinctions among the substyles present in the genre and will include audio and video presentations of major artists and style-setters. Literary, sociological, and other cultural aspects of this music will be discussed. Current styles and trends relating to the recording industry will be explored.

3 credit hours. Satisfies ADR I.

MUS289  History of the Art Song
Spring Semester, alternate years
This course will examine the development of the secular art song as perceived from an historical and geographic perspective. Song repertoire will be chosen that best represents the main trends of the art song development in the Western world.

3 credit hours.

MUS290  Introduction to Music Literature
Fall Semester
This course is an introduction to music literature through a historical study of musical genre, form, and style. The course is required of Music majors.
and minors. Electives are admitted by permission of the instructor.

**3 credit hours. Satisfies ADR I.**

**MUS297  Survey of Music Industry**  
**Fall Semester**

This course is an introductory study of major career choices in the music and entertainment industry. Attention is given to career planning and development in classical and popular music. Creative careers, producing/directing, performing, teaching, and music related careers are examined with a focus on practical applications as well as theoretical foundations. The course also explains the process of songwriting, music publishing, copyright registration, sources of royalty income, performance rights societies, and the music licensing process. The role of unions, music associations, guilds, arts administration, talent agencies, and artistic management relevant to musicians is explored.

**3 credit hours.**

**MUS299  Music and Culture in the 20th Century**  
**Fall and Spring Semesters**

This course will examine selected composers and compositions that reflect the artistic and cultural trends of the 20th century. Special emphasis will be placed on the relationship between music and society as reflected through global conflict, human diversity, science, and discovery. There will be a strong concentration on class listening and discussion.

**3 credit hours. Satisfies ADR I.**

**MUS346  Music Production I**  
**Fall and Spring Semesters**

This course is a continuation of Audio Production I, stressing a higher level of technical and aesthetic skills. Instruction focuses on developing the complex skill involved with computer-based audio production and digital audio mixing consoles as it applies to music, radio, and video production. The Federal Communication Commission’s rules and regulations that apply to the practical issues of audio production will also be discussed. Prerequisites: CM226 and MUS297.

**3 credit hours.**

**MUS348  Piano Pedagogy**  
**Alternate years**

This course explores various topics related to the piano and piano teaching, including the mechanics of the piano, playing techniques and skills, motor control of the hand, arm, and body, the various pedagogical schools of piano instruction and the application of music theory in studio teaching. Prerequisite: MUS249.

**3 credit hours.**

**MUS349  Vocal Pedagogy I**  
**Fall Semester, alternate years**

This course explores the anatomy of the human singing voice, including function, acoustics, and the various voice classifications. A special focus will be placed on the various schools of teaching, and the text and methods of vocal teaching. The long-term care and health of the singing voice will also be addressed. Prerequisite: Two semesters of Applied Voice.

**3 credit hours.**

**MUS380  Ethnomusicology**  
**Spring Semester**

Ethnomusicology emphasizes listening skills, musical analysis, and performance experiences on instruments from various world cultures. Students will explore the music of selected ethnic cultures around the world, some of which include India, Indonesia, Japan, China, Korea, Greece, Turkey, Spain, Africa, South America, and Native American music. Students will study the various technical elements of the music in question, and will learn to distinguish it from the music of other cultures. Prerequisites: MUS182 and MUS183.

**3 credit hours.**

**MUS381  Vocal Pedagogy II**  
**Spring Semester, alternate years**

This course is a workshop experience, involving self- and peer-evaluation in which the student teaches a voice student under faculty supervision. The student will utilize the methodology, organizational skills, and record keeping information developed in Vocal Pedagogy I. The student will complete a self-study document derived from class observations and lesson visitations by the supervisor instructor.

**3 credit hours.**

**MUS384  Counterpoint**  
**Spring Semester, alternate years**

This course is a study of the contrapuntal styles of the 18th and 19th centuries. Prerequisite: MUS283.

**3 credit hours.**
MUS385  Form and Analysis  
*Spring Semester*

This course emphasizes the study of musical form as it relates to structure, melody, harmony, rhythm, texture, and style in musical compositions. Prerequisite: MUS283.

3 credit hours.

MUS390  Music History I  
*Fall Semester*

Music History I is an historical study of the various styles and forms of music in western civilization from the Middle Ages to 1750. Prerequisite: MUS290.

3 credit hours.

MUS391  Music History II  
*Spring Semester*

Music History II is an historical study of the various styles and forms of music in western civilization from 1750 to the present. Prerequisite: MUS290.

3 credit hours.

MUS394  Diction for Singers  
*Spring Semester*

Diction for Singers is an in-depth study of the principles of pronunciation and the formation and comparison of the various vowel and consonant sounds found in Latin, German, Italian, and English for singers and choral conductors. Principles based on the International Phonetic Alphabet (IPA).

3 credit hours.

MUS397  Music Entertainment and Promotion  
*Spring Semester*

This course examines the process of music promotion, music product distribution, and commerce. How one promotes a performance ensemble and supports artistic development is explored. The interrelationship of the professional musician and music as a product is applied to the recording industry, music distribution, music management, music product sales, music in advertisement, jingle writing, music on the radio, television, and in the film industry. Entertainment entrepreneurship is explored in context to employment opportunities. Attention is given to practical application projects by theoretical study.

3 credit hours.

MUS446  Music Production II  
*Fall and Spring Semesters*

Music Production II is designed for students with a strong commitment to the study of music recording and production. The course provides an intensive analysis of field and studio recording techniques with an emphasis on multi-track audio production and engineering. Techniques of music production, sound design, and live/field recording are examined. Prerequisite: MUS346.

3 credit hours.

MUS486  Orchestration and Arranging  
*Fall Semester*

This course is a study of the instruments of the orchestra and how to orchestrate and arrange music for them. Prerequisite: MUS282.

3 credit hours.

MUS490  Choral Conducting  
*Fall Semester*

This course will develop competencies in conducting patterns and gestures, score preparation, and rehearsal techniques through the medium of choral literature. Prerequisite: MUS282 or permission by the instructor.

3 credit hours.

MUS491  Instrumental Conducting  
*Spring Semester*

A study on the techniques of instrumental conducting, including the use of the baton, score preparation, gesture, and group organization. Prerequisites: MUS283, MUS285, or permission by the instructor.

3 credit hours.

MUS494, MUS495  Music Industry Internship  
*Fall, Spring and Summer Semesters*

The Music Industry Internship is a planned and supervised work experience in the music industry field at selected cooperating firms or organizations. The internship may require training conferences, reports and appraisals. The student must have completed at least 60 credit hours, and demonstrate a 2.5 or higher overall GPA. Departmental approval of the student’s program is required. All York College procedures for completing internship applications shall be strictly applied. Prerequisite: CM426.

3 credit hours.
MUS497  Music Publishing, Licensing, and Copyright  
*Spring Semester*

This course is an in-depth examination of music publishing, licensing, and copyright procedures used by the professional musician, music administrator and music producer. Special emphasis is placed on discussion and research regarding contemporary controversies in the music industry. Applied problem solving, specialized language use, and legal responsibility are explored and discussed. Conference attendance is encouraged to further support integration of issues with industry executives. Prerequisites: MUS297, MUS397.  

3 credit hours.

MUS498, MUS499  Independent Study

The Independent Study Program affords an opportunity for the student who seeks to undertake a well-defined research project. While the student conducts this work under the guidance of a faculty member of his choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility in the learning process.  

1-3 credit hours.

**MUSIC EDUCATION METHODS COURSES**

MUS146  Vocal Methods  
*Alternating Years*

Vocal Methods provides instrumentalists in the General Music Education program with the fundamentals of good vocal technique. While building their own singing skills in a lab-like setting, students will also examine vocal pedagogy as it is applied to working with young singers in the public schools.  

1 credit hour.

MUS291  Educational Experiences in Music  
*Fall and Spring Semesters*

This course equips Elementary Education majors with the musical skill and teaching methods to provide meaningful musical activities in the classroom. The course is designed for those with little or no background in music, and is not appropriate for Music Education majors.  

3 credit hours.

MUS292  String Methods  
*Fall Semester, alternating years*

This course is designed to provide a practical playing knowledge of each string instrument (violin, viola, cello, and double bass). The principal objective is to prepare prospective school teachers to instruct beginners in strings.  

2 class periods.  
1 credit hour.

MUS293  Brass Methods  
*Spring Semester, alternating years*

Brass Methods is the study of tone production, fingerings or position, care and repair, and methods and materials for teaching trumpet or cornet, French horn, baritone, trombone, and tuba. Ensemble performance is emphasized.  

2 class periods.  
1 credit hour.

MUS294  Woodwind Methods  
*Fall Semester, alternating years*

Woodwind Methods is the study of tone production, fingerings, care and repair, and methods and materials for teaching flute, oboe, clarinet, bassoon, and saxophone. Ensemble performance is emphasized.  

2 class periods.  
1 credit hour.

MUS295  Percussion Methods  
*Spring Semester, alternating years*

Percussion Methods is the study of tone production, positions, care and repair, and methods and materials for teaching the percussion instruments. Ensemble performance is emphasized.  

2 class periods.  
1 credit hour.

MUS298  Foreign Language Diction for Choirs  
*Alternating Years*

Foreign Language Diction for Choirs examines the nuances of foreign language for choirs, focusing particularly on German, French, Italian, Spanish, and Latin. The International Phonetic Alphabet (IPA) is used as the basis of instruction, giving students
These courses are taken through Lancaster General College of Nursing and Health Sciences by students who have been admitted to clinical (senior) year in the Nuclear Medicine Technology Major.

NM101  Nuclear Medicine Theory I
This course is a study of the basic sciences needed to understand nuclear medicine. Topics include: nuclear physics, applied mathematics, and radiation biology. This course is also designed to introduce the student to the basic skills needed to give quality patient care and assist in the performance of routine nuclear medicine studies. Topics include medical terminology, patient care, skeletal, lung, infection, and renal imaging.

6 credit hours.

NM102  Nuclear Medicine Theory II
This course is designed to build on the knowledge gained in NM101. Topics covered in this course include: radiation safety and radiopharmacy. Clinical theory includes cardiology, endocrinology, oncology, gastrointestinal system, and the central nervous system. Clinical theory instruction consists of an anatomy and physiology review followed by a study of all the nuclear medicine imaging that is performed on this system.

6 credit hours.

NM103  Nuclear Medicine Theory III
This course discusses computer and SPECT. Medical ethics with particular interest in the ethics surrounding imaging will be discussed and applied. Registry review provides a comprehensive review of topics covered throughout the year in order to prepare the students for the national registry. Management of a radiology department is also included.

2 credit hours.

NM110  Nuclear Medicine Practicum I
This course is designed to introduce the beginning student to the profession of nuclear medicine technology. Practicum takes place at one of the clinical affiliates. Students learn by observing and assisting a nuclear medicine technologist in the performance of nuclear medicine imaging and associated ancillary tasks. Five competencies (CPR, Vital Signs, Oxygen Administration, Bone Scan, and Cardiac Scan) are required this semester.

6 credit hours.

NM111  Nuclear Medicine Practicum II
Students observe and assist the technologist with the complicated studies. They begin to perform more common imaging procedures under the direct supervision of a technologist. These procedures include but are not limited to bone scanning, cardiac imaging, and hepatobiliary imaging. During this semester they will be required to successfully complete 10 competency evaluations.

6 credit hours.
NM112  Nuclear Medicine Practicum III
This final session of practical learning focuses on students fine tuning their skills and applying all that they have learned in NM Theory. Students are expected to perform most studies with limited supervision. Students are expected to successfully perform 10 competency evaluations prior to the completion of this course.

4 credit hours.

NURSING

NUR201  Human Development and Health Care
Fall-Spring Semesters
This course exposes students to the study of normal growth and development through all life stages. Developmental theories are explored and applied to developmental assessment as part of the nursing process. Concepts of community, family, and personal health are discussed. Selected agencies providing care and services to clients throughout the life span may be utilized for observational visits related to human development.

3 credit hours.

NUR202  Nutrition in Health Care
Fall-Spring Semesters
Students are introduced to the study of normal nutrition and the motivational, social, economic, and cultural factors influencing nutrition through all life stages. Assessment of nutritional states of clients is addressed as part of the nursing process. Application of diet therapy concepts for patients with selected health problems is discussed. Prerequisite: CHM122.

3 credit hours.

NUR210/211  Basic Principles in Nursing Practice
Fall-Spring Semesters
The first clinical course introduces the nursing student to professional nursing roles and basic human needs of individuals. Students use selected theories in conjunction with the nursing process in providing care to clients. Emphasis is placed on communication, data collection, and beginning administration of drugs. Clinical experiences are conducted in the skills laboratory and in selected health care settings. Fall Prerequisites: Common Core, PSY100, SOC100, BIO150, CHM122, BIO220, BIO230, NUR201, NUR202. Corequisites: NUR304.

3 class periods.
6 clinical experience hours.
5 credit hours.

NUR220  Concepts in Professional Nursing for the Licensed Practical Nurse
Spring Semester
This course is designed for the licensed practical nurse student pursuing baccalaureate education in nursing. Application of nursing concepts and theories, development of nursing process skills, and evaluation of clinical skills required for advanced placement in the Nursing major are emphasized. Prerequisites: Advanced placement in the Nursing major or permission of instructor.

2 credit hours.

NUR300  Pharmacology for Nurses
Fall-Spring Semesters
The pharmacologic impact of various classifications of drugs on patients across the lifespan is examined in this course. Examination of major drug classifications and specific drug prototypes within these classifications is included. Students also learn to utilize their knowledge of pharmacotherapeutics in relation to patient care as they consider appropriate nursing implications associated with administration of drugs from each major classification. Concepts of health promotion and alternative therapy are also addressed within the context of this course. Prerequisites: NUR210/211. Corequisites: NUR340/341.

3 credit hours.

NUR304  Health Assessments for Professional Nursing Practice
This course addresses history taking and psychosocial and physical assessment with emphasis on normal findings. A current knowledge of anatomy, physiology, and basic nursing principles provides
Nursing 431

the foundation. Prerequisites: BIO150, BIO220/222, and BIO230.

2 class periods.
3 clinical experience hours.
3 credit hours.

NUR314 Research and Professional Nursing Practice
*Fall-Spring Semesters*
The fundamentals of scientific nursing research methods and evidence-based practice (EBP) are presented. The major research designs, including experimental and quasi-experimental studies, descriptive, and qualitative designs, are discussed. Students will review and critique selected nursing research studies. Emphasis is placed on developing an understanding of the logical process of research, on the scientific rigor necessary for the study of nursing interests, and on critically reading and using nursing research in nursing practice. Applying scientific evidence in practice is the goal of this course, and an EBP project will be conducted. Prerequisites: Junior standing in the Nursing major and BEH260.

3 credit hours.

NUR320 Health Assessment for Registered Nurses
*Summer*
This course is designed to provide the RN/BS student with the knowledge and skills necessary to assess the individual health of a client. The emphasis of the course is on a systems approach to physical examination. Abnormal physical assessment findings for each system will also be introduced. Comprehensive bio-psycho-social-cultural assessment approaches will be presented to allow students to assess the impact of risk factors upon individual health. Prerequisite: Current RN licensure.

2 class periods.
3 clinical experience hours.
3 credit hours.

NUR321 Transitional Concepts for Registered Nurses
*Fall-Spring-Summer Semesters*
This course is designed to be a transitional course for registered nurses pursuing a baccalaureate degree in Nursing. Foundational concepts and competencies of professional nursing practice, e.g. application of nursing process, ethical and legal issues, and coping with role transition, will be addressed. This will be an initial course in the Nursing curriculum and will facilitate the registered nurse’s adaptation to the academic environment. Prerequisite: Current RN licensure.

2 credit hours.

NUR325 Human Lactation
*Fall-Spring Semesters*
Clinical techniques, research guiding practice, and the role of the nurse in the breastfeeding process will be the focus of this course. Strategies to encourage the initiation and duration of breastfeeding will be discussed and implemented.

3 credit hours.

NUR331 Alternative and Complementary Therapies in Nursing and Healthcare
*Fall-Spring Semesters*
Students in this course explore and critique selected CAM approaches to healthcare, including, but not limited to, homeopathy, traditional Chinese medicine and acupuncture, naturopathy, chiropractic, aromatherapy and therapeutic touch, and evaluate the efficacy and safety of various products marked as dietary supplements (herbs, glucosamine, etc.). Information is gathered from selected readings and films, websites such as Quackwatch.org, and guest appearances by practitioners of various CAM disciplines. Prerequisites: BEH260.

3 credit hours.

NUR332 Research Concepts for Registered Nurses
*Spring Semester*
The fundamentals of scientific nursing research methods and evidence-based practice (EBP) are presented. The major research designs, including experimental and quasi-experimental studies, descriptive, and qualitative designs are discussed. Students will review and critique selected nursing research studies. Emphasis is placed on developing an understanding of the logical process of research, on the scientific rigor necessary for the study of nursing interests, and on critically reading and using nursing research in nursing practice. Applying scientific evidence in practice is the goal of this course, and an EBP project will be conducted. Prerequisites: Junior standing in the nursing major and BEH260.

3 credit hours.
NUR340/341 Nursing Concepts and Practice: Adults with Chronic Health Problems
*Fall-Spring Semesters*
This course encompasses principles underlying human adaptation to chronic health problems. Health conditions are reviewed in relationship to nursing care directed toward adults with chronic health problems. The family as a co-determinant of individual states of health is addressed. Health promotion, health preservation, health recovery, and continuity of care for psychosocial and physical concerns are emphasized. Clinical sessions are conducted in both the hospital and simulation lab settings. Prerequisites: NUR210/211. Corequisites: NUR300, NUR304.
- 3 class periods.
- 9 clinical experience hours.
- 6 credit hours.

NUR350/351 Nursing Concepts and Practice: Women’s Health
*Fall-Spring Semesters*
This course encompasses the study of women’s health needs throughout the normal maternity cycle, complications of antepartum, intrapartum, and postpartum periods. Additionally, women’s health needs throughout the life span are addressed. Clinical sessions are conducted in both the hospital and simulation lab settings. Prerequisites: NUR210/211, NUR300, NUR304, NUR340/341. Corequisites: NUR314, NUR352/353.
- 1 class period.
- 6 clinical experience hours.
- 3 credit hours.

NUR352/353 Nursing Concepts and Practice: Children with Acute Health Problems
*Fall-Spring Semesters*
This course encompasses the study of acute illness and diseases that affect children as they develop from newborn through adolescence. Health promotion, maintenance and restoration, as well as continuity of care, are discussed along both mental and physical dimensions in the care of acutely ill children. Clinical sessions are conducted in both the hospital and simulation lab settings. Prerequisites: NUR210/211, NUR300, NUR304, and NUR340/341. Corequisites: NUR314, NUR350/351.
- 1 class period.
- 6 clinical experience hours.
- 3 credit hours.

NUR400/401 Nursing Concepts and Practice: Community Health Nursing
*Fall-Spring Semesters*
Nursing concepts related to community structure, health care delivery, public health, and application of community health nursing principles through the nursing process are emphasized. Epidemiological study of selected health problems, including communicable disease, as they relate to individuals, families, and groups in the community are explored. Prerequisites: NUR314, NUR350/351, NUR352/353. Corequisites: NUR422/423.
- 4 class periods.
- 9 clinical experience hours.
- 7 credit hours.

NUR421 Leadership Concepts for Registered Nurses
*Fall Semester*
Concepts relevant to the theory and practice of leadership in professional nursing are presented. Analysis is made of the components of leadership: communication, management, delegation, teaching/learning, evaluation, and change. The course also presents issues related to the past and present status of nursing as a profession and projects to future trends.
- 3 credit hours.

NUR422/423 Nursing Concepts and Practice: Psychiatric/Mental Health Nursing
*Fall-Spring Semesters*
Concepts related to the care of populations with psychiatric illness are emphasized and issues in mental health treatment are explored. Psychiatric evaluation and the application of nursing process to diverse populations occur within agencies providing acute and chronic care. Collaboration and consultation with other health care providers is addressed. Prerequisites: NUR314, NUR350/351, NUR352/353. Corequisites: NUR400/401.
- 3 class periods.
- 6 clinical experience hours.
- 5 credit hours.

NUR440/441 Nursing Concepts and Practice: Adults with Acute Health Problems
*Fall-Spring Semesters*
Nursing concepts related to physical, emotional, and social needs of acutely ill individuals who re-
quire hospitalization are emphasized. Critical judgments based on assessment of needs during acute health disruptions are stressed. Concerns related to needs of family members are also explored. Collaboration, coordination, and consultation with health team members is highlighted. Clinical sessions are conducted in simulation lab and hospital settings. Prerequisites: NUR440/401, NUR422/423. Corequisites: NUR450/451 and NUR460.

4 class periods.
9 clinical experience hours.
7 credit hours.

NUR450/451  Nursing Practicum
Fall-Spring Semesters
This course provides for concentrated clinical nursing practice under faculty guidance. The nature and goals of the practicum are determined collaboratively by the student, faculty member, and RN clinical mentor. Students are required to pass medication and physical assessment proficiency exams prior to clinical practice. Prerequisites: NUR400/401, NUR422/423. Prerequisite or Corequisites: NUR440/441 and NUR460.
1 class period.
6 clinical experience hours.
3 credit hours.

NUR456/457  Community Health Concepts and Issues for Registered Nurses
Spring Semester
The community is considered a major determinant of health states in individuals and groups. Students explore community structure and interrelationships among community participants as they influence the health care delivery system. The epidemiological analysis of selected health problems in the community is the focus of learning. A clinical experience in home health care is required of all students. Upon satisfactory completion of the home care experience, students are encouraged to design an individualized community-based care experience. The student utilizes the nursing process to promote health in a small community. Prerequisites: Common Core, BIO110, CHM122, MAT111, BIO220, BIO222, BIO230, PSY100, SOC100, NUR201, NUR202, NUR320, NUR321, NUR332, and successful challenge of exams if necessary.
2 class periods. (NUR457)
3 clinical experience hours.
3 credit hours.

NUR460  Leadership in Professional Nursing
Fall-Spring Semesters
Concepts relevant to the theory and practice of leadership in professional nursing are presented. Analysis is made of the components of leadership: communication, management, delegation, teaching/learning, evaluation, and change. The course also presents issues related to the past and present status of nursing as a profession and projects to future trends. Senior standing in the Nursing major. Prerequisites: NUR400/401, and NUR422/423. Corequisites: NUR440/441, and NUR450/451.
3 credit hours.

NUR498, NUR499  Independent Study
Fall-Spring Semesters
The Independent Study Program affords the opportunity for the nursing student who wishes to undertake a well-defined project. While the student conducts work under the guidance of a nurse faculty member, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process. Prerequisite: Senior standing and approval of the Department of Nursing Chair.
1-3 credit hours.

ORGANIZATIONAL BEHAVIOR AND DEVELOPMENT

OBD225  Organizational Behavior
Fall-Spring Semesters
This course is designed to help present and future managers better understand and manage people in organizational settings. Individual behavior, group and social processes, and organizational processes are considered in the context of the specific needs of today’s workplace. An understanding of the dynam-
ic nature of an organization’s environment is considered within the topic of diversity, organizational culture, the global workplace, and the evolving learning organization.

3 credit hours. Satisfies ADR II.

OBD280 Leadership and Change in Organizations
Fall-Spring Semesters
An analysis of traditional and non-traditional theories and approaches to leadership, emphasizing team building, diversity, and management of the change process. The course includes skill development, experiential activities, case studies, and theoretical constructs. In addition, guest speakers who are leaders in a variety of organizational settings will be used when appropriate. Prerequisite: Completion of MGT150 with a grade of 2.0 or higher.

3 credit hours.

OBD345 Organization Theory and Process
This course is designed to familiarize the student with basic principles, theories, and practices of organization theory and process. The organization will be viewed from several theoretical perspectives including the open systems approach, the influence of culture and climate, technological advances, and leadership. The student will have the opportunity to reflect on the implications of interpersonal, managerial, and organizational actions. Prerequisite: MGT150 with a grade of 2.0 or higher.

3 credit hours.

PHILOSOPHY

PHL221 Introduction to Philosophy
Fall-Spring Semesters
This course provides an examination of the fundamental problems of philosophy, including a brief survey of the different philosophical schools of thought of historical importance and contemporary influence.

3 credit hours. Satisfies ADR I.

PHL222 Critical Thinking
This course is aimed at providing students with the analytical and evaluative skills necessary to thinking clearly and critically. Such skills will enable students to distinguish good reasoning from poor reasoning and therefore enable students to further their intellectual development and ability to achieve success in their college studies.

3 credit hours. Satisfies ADR I.

PHL223 Contemporary Moral Problems
This course attempts to apply philosophy to the problems and issues of contemporary life, such as moral issues (attitudes toward sex, abortion, euthanasia, homosexuality), and political questions (equality of women, reverse discrimination, civil disobedience, conflicts between control and freedom).

3 credit hours. Satisfies ADR I.

PHL224 Philosophy and Human Nature
This course involves an examination of philosophical and scientific theories of human nature as they have arisen in the history of philosophy paying special attention to the philosophical implications of recent scientific theories such as sociobiology and artificial intelligence.

3 credit hours. Satisfies ADR I.

PHL231 Logic
This course provides an examination of the basic concepts of deductive reasoning, the goal of which is to develop a system of methods and principles that can be used to evaluate arguments and as a guide in constructing arguments.

3 credit hours. Satisfies ADR I.
PHL235  Ancient to Modern Philosophy
Ancient to Early Modern Philosophy is an in-depth study of the major movements and figures in the history of philosophy from the ancient to the early modern periods.

3 credit hours. Satisfies ADR I.

PHL236  The Enlightenment to Postmodern Philosophy
The Enlightenment to Postmodern Philosophy is an in-depth study of the major movements, issues, and figures in the history of philosophy, from the Enlightenment to postmodernism.

3 credit hours. Satisfies ADR I.

PHL238/WGS238  Race, Gender, and Sexuality
This course serves as an interdisciplinary introduction to theories of race, gender, and sexual identity, their themes, methodologies, and issues. Possible topics include: gender and sex roles; racism, sexism, and hetero-sexism; concepts of beauty; racial and sexual stereotypes; social issues such as affirmative action, violence, racial and sexual harassment, and pornography.

3 credit hours. Satisfies ADR I.

PHL240  Environmental Ethics
This course explores three interrelated topics: the environmental crisis of our time, the teachings of philosophical and religious ethics that can foster the development of an environmental ethics, and the activities and actions demanded by an environmental ethic.

3 credit hours. Satisfies ADR I.

PHL321  Epistemology
Epistemology is the study of the nature, sources, scope, and validity of knowledge. Issues addressed may include how knowledge is acquired, whether we can know anything for sure, the nature of truth, and the relation of knowledge to social and cultural forces. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

PHL331  Metaphysics
Metaphysics is concerned with questions about the ultimate nature of reality and seeks basic criteria for determining what sorts of things are real. Topics addressed may include the mind-body problem, the freedom of the will, personal identity, the existence of God, and the nature of space and time. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

PHL341  Ethics
This course develops the study of the notions of right and wrong and the good, according to ethical theories and practical application. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

PHL342  Ethics in the Workplace
This course introduces students to important ethical issues in workplaces. In this course students will encounter possible workplace problems, analyze them through the lens of ethical theories, and develop approaches to coping with ethical conflict. Following a brief overview of moral theories, this course may focus on, among other topics, cheating in the workplace, favoritism, harassment, discrimination, fair compensation, hiring practices, and whistle blowing. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

PHL343  Ethical Issues in Peace and Conflict
This course focuses on the study of central concerns related to war and peace from an ethical perspective. The course will deal with ethical principles regarding war, and consider such issues as human rights, the causes of violence, ecological disorders, population problems and distribution of global resources, from an ethical standpoint. Prerequisite: WRT102.

3 credit hours.

PHL346  Bioethics
This course introduces students to important ethical issues pertaining to the healthcare professions. Following a brief overview of moral theories, this course may focus on, among other topics, patient-doctor relations, end-of-life issues, cloning and biotechnology, health care, and social justice. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

PHL347  Philosophy of Law
This course explores such topics as what law is, what kinds of laws there are, how law is or should be related to morality, what sorts of principles should
govern punishment, and criminal justice in general. Prerequisite: WRT102.

3 credit hours.

PHL351 Aesthetics
This course provides an introduction to theories of art, including the analysis of aesthetic experience, expression, creation, and structure. The social role of art and function of aesthetic criticism will be considered. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

PHL361 Contemporary Philosophy
This course will introduce students to a study of various contemporary philosophical movements, figures, and trends. Emphasis will be placed on analyzing the philosophical, social, and historical backgrounds, the influence, and the importance of these movements for contemporary issues. Prerequisite: WRT102.

3 credit hours.

PHL368/PS368 Ancient Political Thought
A study of selected writings and texts from the ancient Greeks through the late Middle Ages. Topics to be discussed include the relevance of ancient philosophy, the nature of the polis, the role of the citizen, the rise of natural law, and the contributions of Christianity. Emphasis will be on a careful reading of primary sources. This course is cross-listed as PS368.

3 credit hours.

PHL369/PS369 Modern Political Thought
This course is a study of selected writings and texts in political theory from Machiavelli to the present. Topics to be discussed include the modern understanding of power, social contract theory, the turn to history, and the contemporary philosophic situation. Emphasis will be on careful reading of primary sources. This course is cross-listed as PS369.

3 credit hours.

PHL370-9 Special Topics in Philosophy
These courses involve the thorough study of a single major philosophical movement (like Pragmatism), philosophical figure (such as Plato or Nietzsche), or topic in philosophy (such as philosophy of law or science). The specific theme of these courses changes from semester to semester and may be suggested by either faculty or student interest. Past topics covered include feminist thought, computers and modern thought, and religion and science. These courses may be repeated for different topics. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

PHL380/WGS380 Feminist Thought
This course offers an advanced survey of recent developments in feminist philosophy, focusing on the unique nature of “theory” in feminist thought and on intersections between feminist philosophy and other developing disciplines within feminism. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

PHL383 Philosophy of Religion
In this course, students will learn the various critical approaches philosophers have taken to central religious ideas. Topics will include, among others, faith versus reason, divine attributes, proofs for the existence of God, the problem of evil, and the nature of religious experience. Prerequisite: WRT102.

3 credit hours.

PHL390 Philosophy of Technology
Philosophy of technology is a critical, reflective examination of the nature of technology as well as the effects and transformation of technologies on human knowledge, activities, societies, and environments. The aim of this course is to understand, evaluate, and criticize the ways in which technologies reflect as well as change human life individually, socially, and politically. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

PHL395 Philosophy and Film
This course will consider the manner in which film can raise and explore philosophical issues and the manner in which philosophers bring their insights to the analysis of film. It aims to examine and critically evaluate various philosophical themes and problems by means of the visual medium of film. These themes can include such perennial philosophical subjects as reality and appearance, good and evil, and knowledge and skepticism. An additional aim of this course is to examine the nature of film from a philosophical perspective, raising such issues as film’s status as an art form, film as a source of knowledge, and whether
philosophy can take the form of, or be articulated through, film. Prerequisite: WRT102.

3 credit hours.

PHL401 Philosophy Seminar
This capstone course is a senior-level seminar for Philosophy majors. Through directed research and writing into selected philosophical topics, students are given an opportunity to integrate and synthesize their previous coursework in the discipline. Open to senior Philosophy majors, students minoring in Philosophy, and others with the consent of the instructor. Prerequisite: WRT102.

3 credit hours.

PHL450, PHL451 Philosophy Internship
The purpose of an internship is to provide students with practical training and supervised work experience in appropriate firms or organizations. Internships are designed to give students an opportunity to make use of the practical aspects of their classroom knowledge, to complement and extend their classroom experiences, and to develop their understanding and confidence through a work-related experience. Responsibilities will vary according to placement as determined by the work supervisors of the sponsoring agency and faculty coordinator. Students are required to spend a minimum of 120 hours work on site. Students must have earned 60 or more credits and a minimum of 2.5 cumulative grade point average at the time of application and complete an internship application.

3 credit hours.

PHL498, PHL499 Independent Study
These courses provide an opportunity for the student who wishes to undertake a well-defined research project in an area of philosophy. While the student conducts work under the guidance of a faculty member of his or her own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process. Prerequisite: WRT102.

1-3 credit hours.

PHYSICAL EDUCATION

Vision Statement
To support the mission of York College of Pennsylvania and its Department of Education by creating an environment which promotes the best models of positive, active, and healthful living through our programs and services.

Mission Statement
As professional educators working in the areas of teaching, coaching, and advising, we will provide the knowledge and skills which will enable individuals of the York College of Pennsylvania community to achieve an integrated active healthy lifestyle.

Physical well-being is a lifelong commitment which is enhanced by regular participation in physical activity. It is the purpose of the Physical Education Division to contribute to this end by offering a variety of courses to help an individual meet this goal.

Exemption from Physical Education
Students with a permanent medical condition are expected to take PE134 Concepts of Physical Activity and Wellness. In order to receive an exemption from the other one-credit course (necessary to satisfy the core requirement), the student must submit a written note to the Coordinator of Physical Education from a physician stating that the student is not allowed to participate in any physical activity due to a permanent physical condition. Students with a temporary medical condition are expected to complete the two-credit physical education requirement after the condition has subsided.

Physical Education courses that are one or two credits meet for the full semester. Half-credit courses meet for half a semester. These options allow the student the opportunity to take a larger variety of courses if so desired.

PE105 Aqua Exercise (Coed)
Provides an in-water exercise program that emphasizes the development of cardiopulmonary endurance, flexibility, muscle strength, muscle endurance, and general movement efficiency. Music is used to help motivate the students. The fitness guidelines fol-
lowed in this course are designed for the apparently healthy individual and are not designed for individuals with known cardiovascular, pulmonary, or metabolic diseases. Students are encouraged to see a physician before embarking on any exercise program. Students need not be able to swim to participate, but it is recommended.

1 credit hour.

PE106 Introduction to Water Polo (Coed)
This is a beginning course for those who have never played or have limited experience in water polo. Students will be introduced to the fundamental skills, rules, strategy, and game play of water polo. Students must be able to swim for 200 yards without stopping and tread water for two minutes. 0.5 credit hour.

PE110 Beginning Bowling (Coed)
An introductory course with special emphasis on equipment, rules, terminology, techniques of participation, etiquette, handicaps, and league play. This course is held off campus at a local bowling alley. Students are responsible for transportation and the cost of bowling. 1 credit hour.

PE112 Square Dancing (Coed)
An introductory course of the fundamental skills and knowledge that is necessary for the development of proficiency in the contemporary form of square dancing. This course covers beginning through intermediate levels of square dances and challenges the student to develop good coordination, mental alertness, and smooth rhythmic movement in a relaxing atmosphere and in the company of fellow students and friends. This is a fun and infectiously interesting activity and can be enjoyed throughout a lifetime. 1 credit hour.

PE117 Modern Dance (Coed)
A creative approach to movement exploration with special emphasis on dance as related to the specific art periods. 1 credit hour.

PE118 Physical Fitness and Conditioning (Men)
A course designed to improve abilities such as strength, endurance, and flexibility. Concentration is upon individual activities such as jogging, weight training, calisthenics exercises, and stretching for improving physical well-being. 1 credit hour.

PE119 Physical Fitness and Conditioning (Women)
A course designed to improve physical abilities such as strength, endurance, and flexibility. Concentration is upon individual activities such as jogging, weight training, calisthenics exercises, and stretching for improving physical well-being. 1 credit hour.

PE120 Beginning Swimming (Coed)
An introduction to the recreational sport of swimming with emphasis placed upon elementary strokes, dives, survival techniques, and applications of basic mechanical principles to safe aquatic activities. Nationally recognized certification issued upon completion of course requirements and student request. 1 credit hour.

PE121 Intermediate and Advanced Swimming (Coed)
Prerequisite is completion of PE120 Beginning Swimming or demonstration of equivalent skills. Beginning skills are reviewed and more difficult aquatic activities are introduced. Special emphasis will be placed on strokes, dives, and methods of personal safety and self-rescue. Preparatory skin diving techniques are introduced. Nationally recognized certification issued upon completion of course requirements and student request. 1 credit hour.

PE124 Lifeguard Training (Coed)
Prerequisite is completion of PE120 Beginning Swimming or demonstration of equivalent swimming skills. Emphasis is placed on recognition of swimming hazards, swimmers in distress, and the methods of dealing with both. The course prepares the student for an entry-level lifeguarding position. Nationally recognized certification of course requirements including a written and practical final. 2 credit hours.

PE125 Skin/Scuba Diving (Coed)
Prerequisite is the passing of the Skin and Scuba entrance examination or the completion of PE121
or PE122. A complete course of all practical and necessary Skin Diving and Scuba Diving skills, and lectures with special emphasis placed on: diving physics, diving physiology, diving equipment, underwater environment, and needed first-aid procedures.

1 credit hour.

PE126 Water Safety Instructor (Coed)
Prerequisite is completion of PE120 Beginning Swimming or equivalent swimming skills. An instructor’s course in swimming, diving, water safety, and infant pre-school aquatic instruction. Special emphasis will be placed on techniques of aquatic instruction. An opportunity for practical teaching experience will be offered as required for certification. Nationally recognized certification issued upon completion of course requirements.

2 credit hours.

PE129 Pop Jazz Dance (Coed)
Pop jazz explores American dance styles from the cakewalk to hip hop in a full, engaging introductory-level workout. This course will introduce the students to the popular jazz dancing styles and its history. Students will learn how to warm-up and perform body isolations, coordination exercises, flexibility, jumps, turns, and combinations of contemporary jazz styles. The course will culminate with students learning a dance routine to a piece of appropriate contemporary pop music.

1 credit hour.

PE130 Elementary Self-Defense (Women)
This course deals with the theory and techniques of self-defense. The content focuses on the techniques for eliminating dangers from daily living, methods of recognizing and avoiding dangers, and skills and strategies for employing physical defense when necessary.

1 credit hour.

PE134 Concepts of Physical Activity and Wellness (Coed)
This course is designed to give the student specific information concerning the benefits of developing a physically active lifestyle and the process necessary for designing programs to meet the individual’s needs and interest. A wellness focus will also be included to help the student work toward a healthy lifestyle. It will enable the student to select appropriate physical activity courses and encourage individual participation in other campus and community activity programs.

1 credit hour.

PE135 Recreational Shooting (Coed)
A course designed as an orientation for individuals interested in the shooting sports. Safety is taught and emphasized throughout the course. The student will shoot rifle, pistol, and shotgun as well as being introduced to other areas such as hunting, antique, and replica arms, gun collecting, etc. The class travels occasionally off campus for parts of the firearms training.

1 credit hour.

PE136 Aerobic Dance (Coed)
This course is designed to help students develop an understanding and appreciation of the importance of improving their “aerobic” fitness as a part of total fitness. Students participate in a program of vigorous movement to music at a level consistent with their existing level of fitness and gradually strive to reach a higher level of fitness.

1 credit hour.

PE137 Introduction to the Martial Arts (Coed)
This course is an orientation to the martial arts. The content emphasizes the physical techniques and mental self-discipline that are involved in the sport.

1 credit hour.

PE139 Trends in Cardiorespiratory Exercise (Coed)
This course will examine popular trends in cardiorespiratory exercise as a means of improving one’s physical fitness. Various cardiorespiratory exercise specialties that have emerged in recent times will be surveyed. Through active participation and application of techniques/principles learned in class, students will explore areas such as step aerobics, cardio-kickboxing, and interval training.

1 credit hour.

PE140 Fundamentals of Golf (Coed)
This is an introductory course that emphasizes grip, set-up, swing, and club play. Additionally, both etiquette and the rules of golf (PGA and USGA) will
be covered. The course involves both instruction and practice. Some of the course sessions are held off-campus.

1 credit hour.

**PE141 Introduction to Adventure Sports (Coed)**
This physically demanding course provides an introduction to the growing world of recreational adventure sports, including mountain biking, paddling, navigating, ropes, and backpacking. This is an opportunity for students to learn the basics of each sport, decide if they want to pursue those interests further, and/or to put them all together for an Adventure/Multi sport Race. The goals of the course are to build confidence through training and sport, introduce students to alternative sports, and reiterate the importance of teamwork to achieve a goal. (Students need a mountain bike for this course.)

1 credit hour.

**PE150 Archery (Coed)**
This course consists of a brief survey of the skills and safety factors and their application to archery target shooting.

0.5 credit hour.

**PE151 Badminton (Coed)**
The emphasis of this course will be placed on the history, equipment, rules strategy, terminology, and techniques of participation of this popular sport.

0.5 credit hour.

**PE152 Basketball (Men, Women, Coed)**
The instruction in this team sport emphasizes rules, proper use of equipment, performance technique, and skill plus insights into strategy, terminology, and history of the sport being studied.

0.5 credit hour.

**PE153 Field Hockey (Coed)**
The instruction in this team sport emphasizes rules, proper use of equipment, performance technique, and skill plus insights into strategy, terminology, and history of the sport being studied.

0.5 credit hour.

**PE155 Soccer (Coed)**
The instruction in this team sport emphasizes rules, proper use of equipment, performance technique, and skill plus insights into strategy, terminology, and history of the sport being studied.

0.5 credit hour.

**PE156 Softball (Coed)**
The instruction in this team sport emphasizes rules, proper use of equipment, performance technique, and skill plus insights into strategy, terminology, and history of the sport being studied.

0.5 credit hour.

**PE159 Tennis (Coed)**
The emphasis of this course will be placed on the history, equipment, rules strategy, terminology, and techniques of participation of this popular sport.

0.5 credit hour.

**PE160 Volleyball (Coed)**
The instruction in this team sport emphasizes rules, proper use of equipment, performance technique, and skill plus insights into strategy, terminology, and history of the sport being studied.

0.5 credit hour.

**PE161 Country Western Dance I (Coed)**
The student will learn the most popular and challenging country and western dance steps of today. Some of the steps included in these couple and line dances are the Texas Two-step, Country Waltz, Shuffle, Schottische, Swings, and some variations as well. PE161 offers different dances and steps than PE162.

0.5 credit hour.

**PE162 Country Western Dance II (Coed)**
The student will learn the most popular and challenging country and western dance steps of today. Some of the steps included in these couple and line dances are the Texas Two-step, Country Waltz, Shuffle, Schottische, Swings, and some variations as well. PE162 offers different dances and steps than PE161.

0.5 credit hour.

**PE163 Introduction to Yoga (Coed)**
This course emphasizes the physical technique of learning yoga postures, which work on all dimensions of the body and mind. Students participate in a program of gentle movement at a level consistent with their existing level of fitness. This course will
briefly explore the history and philosophy of yoga.  
**0.5 credit hour.**

**PE164  Introduction to Tai Chi (Coed)**
This course is an orientation to the ancient Chinese exercise program of Tai Chi. The content emphasizes the physical techniques of Tai Chi, which consists of slow, gentle choreographed movements. Also, a brief history and philosophy of Tai Chi will be presented.  
**0.5 credit hour.**

**PE165  Introduction to Pilates (Coed)**
Pilates is a method of mind-body exercise and physical movement designed to develop strength and flexibility. In addition to the body conditioning benefits, Pilates also improves breath control and assists in relaxation. This course will focus on mat-based Pilates exercises to develop the muscles of the torso and strength core abdominal and back muscles.  
**0.5 credit hour.**

**PHYSICAL SCIENCE**

**PSC152, PSC153; PSC154, PSC155  Physical Science**
*Fall-Spring Semesters*
A course for non-science majors with limited mathematical background. Emphasis on the relationship of scientific principles to daily experience. The first semester topics include force, motion, gravity, energy, heat, temperature, wave motion, and sound. The second semester topics include light, static electricity, electrical currents, and modern concepts.  
1 three-hour laboratory period.  
3 credit hours each semester.  
Satisfies ADR III.

**PSC434  Special Topics In Physical Sciences**
*Annually as needed*
An interdisciplinary science course designed to introduce topics of current or special interest. The course crosses over the perceived barriers that define each scientific discipline via a broad-based, interdisciplinary approach to the study of selected science topics. Prerequisite: Junior class standing.  
3 credit hours.

**PSC474  Physical Science Seminar**
This course is designed for students to search and critically read the literature in several areas of the physical sciences. The student will read, write, and present to classmates several papers from a chosen concentration area. Students will also critically discuss papers from several related physical science areas. Prerequisite: Junior class standing.  
3 credit hours.

**PSC481, PSC482  Independent Study**
The Independent Study Program enables a student to do research or in-depth study of a particular area in the physical sciences. While students conduct their work under the guidance of a faculty member of their choice, there may or may not be regular class meetings. Effective independent study is characterized by a reduction in formal instruction by faculty and an increase in students’ initiative and responsibility for their own process of learning.  
1-6 credit hours per semester.
PHYSICS

PHY110, PHY111; PHY112, PHY113  General Physics
Fall-Spring Semesters
An introduction to college physics covering the fields of mechanics, heat, sound, electricity, light, and selected topics of modern physics. The course emphasizes theory, problems, and practical applications. This course is intended for students not majoring in Physics or Engineering. Prerequisite: High school algebra and trigonometry or equivalent.
  4 credit hours.
  3 lecture hours.
  3 laboratory hours. Satisfies ADR III.

PHY160, PHY161  Engineering Physics: Mechanics
Fall and Spring Semesters
A calculus-based physics course in mechanics for engineering and science majors. The use of vectors is emphasized throughout this course. Topics include vectors, linear and rotational motion, Newton’s Laws, friction, work and energy, conservation of linear and angular momentum, collisions, moment of inertia, simple harmonic motion, gravitation, and (if time permits) waves. Prerequisite: MAT171.
  5 credit hours.
  4 lecture hours.
  3 laboratory hours. Satisfies ADR III.

PHY162, PHY163  Engineering Physics: Heat, Thermodynamics, and Sound
Spring Semester
This course covers temperature and heat, thermal expansion, change of phase, transfer of heat, equation of state, laws of thermodynamics, heat engines, kinetic theory of gases, wave motion, transmission and detection of sound, interference, resonance, and the Doppler Effect. Prerequisite: PHY160.
  4 credit hours.
  3 lecture hours.
  3 laboratory hours. Satisfies ADR III.

PHY260, PHY261  Engineering Physics: Electricity & Magnetism
Fall Semester
This course introduces the student to the topics of static electricity, electric fields, Gauss’ Law, electric potential, capacitance, resistance, current, voltage, magnetic fields, Ampere’s Law, Faraday’s Law, and inductance. Prerequisite: PHY160.
  5 credit hours.
  4 lecture hours.
  3 laboratory hours. Satisfies ADR III.

PHY262, PHY263  Engineering Physics: Optics and Modern Physics
Spring Semester
A study of the nature and propagation of light-reflection and refraction, interference, diffraction and polarization, quantum theory, the photoelectric effect, x-ray diffraction, the Compton Effect, and wave properties of particles. Other topics include the uncertainty principle and its applications, the special theory of relativity, atomic models and spectra, quantum and statistical mechanics, the atomic nucleus, nuclear transformations, and elementary particles. Prerequisite: MAT271 and PHY160.
  4 credit hours.
  3 lecture hours.
  3 laboratory hours. Satisfies ADR III.

PHY490  Physics Internship
This off-campus internship is designed to give the students an opportunity to make use of the practical aspects of their classroom knowledge, thus developing their confidence and understanding through experience. The corporate supervisor and the faculty supervisor will evaluate student’s performance. Prerequisites: Junior standing including PHY160, PHY162, PHY262, and departmental approval of each participant’s individual program.
  3 credit hours each semester.
PS141  American Government: Foundations and Institutions
A study of the foundations, structure, and functions of American national government with emphasis placed on analysis of the congress, presidency, bureaucracy, and the courts. The course will also discuss the nature of the Constitution and the concept of federalism.

3 credit hours. Satisfies ADR IV.

PS142  American Government: Process and Policy
A study of the organization and operation of the political process within the American political system, with emphasis placed on the mechanisms by which citizen preferences are converted into public policy. The course will also discuss the process of policy development and implementation as well as specific domestic and foreign policy issues.

3 credit hours. Satisfies ADR IV.

PS151  Introduction to Public Administration
An introductory study of structure, organization, and management of public departments and agencies. The course will also focus on the differences between public and private administrative settings and the implications of the American Federal System for Public Administration.

3 credit hours.

PS210  Introduction to Law
Fall Semester
A survey of the general principles of law. The course covers the major branches of law such as contracts, evidence, torts, and the legal environment of government and politics. Prerequisite: Sophomore standing.

3 credit hours.

PS243  Government and Politics of Africa
This course is a study of the government and politics of representative African states. This study will also consider the relevance of trends in governing structures, economic patterns, international relations, and nationalism in contemporary Africa. Not open to freshmen.

3 credit hours. Satisfies ADR V.

PS244  Government and Politics of East Asia
The course examines the changing socio-economic, cultural, and political aspects of the PRC, the ROK, and Japan. Special attention is given to Maoism and the Cultural Revolution, China’s “Second Revolution,” South and North Korean political systems, Korean unification issues, and Japanese economy.

3 credit hours. Satisfies ADR V.

PS245  Government and Politics of Latin America
Viewing the politics of Latin America as if it were a game, the course identifies the basic rules, the domestic and foreign players involved, and the stakes in the different modes of politics and economic development. Special focus is on the countries of Argentina, Brazil, Chile, Cuba, Mexico, Nicaragua, Peru, and Venezuela. Not open to freshmen.

3 credit hours. Satisfies ADR V.

PS246  Government and Politics of the Middle East
A broad study of the governments and political systems of different countries in the Middle East. Special emphasis will be on the socio-economic and political development in the area. Other topics will include legacy of imperialism, nationalism, Arab-Israeli conflict, U.S. role in the Middle East, revival of Islam, and the prospects for future peace in the Middle East. The focus will be on the countries of Egypt, Iran, Iraq, Israel, Jordan, Lebanon, Saudi Arabia, Syria, and Turkey. If time permits, other Middle Eastern countries will be studied. Not open to freshmen.

3 credit hours. Satisfies ADR V.

PS247  Government and Politics of Russia
A brief comparative survey of Tsarist and Soviet governments and socio-economic, political, and ide-
ological systems; a more detailed study of contemporary government and political structures of Russia and the countries of the former Soviet Union.

3 credit hours. Satisfies ADR V.

PS250 Governments and Politics of South Asia
A broad study of the governments and political structures of different countries in South Asia. The course will contain a good deal of analysis and theoretical insight into the cultural and historical milieu in which political developments take place. The focus will be on India, Pakistan, Bangladesh, Nepal, Bhutan, Sri Lanka, and Maldives. Not open to freshmen.

3 credit hours. Satisfies ADR V.

PS260 Comparative Politics
An introduction to the practice of politics and the governing institutions of selected democratic and non-democratic states. Topics to be discussed include the problems of political and economic development, mechanisms of stability and change, and approaches to comparative analysis.

3 credit hours. Satisfies ADR II.

PS262 Scope and Methods of Political Science
This course is intended to introduce the Political Science major to the discipline of political science. Topics include the nature and structure of the discipline, controversies and criticisms, the role of scientific method including data gathering and analysis, theory development and hypothesis testing, selected statistical techniques, public opinion polling, and experimental design.

3 credit hours. Satisfies ADR II.

PS302 International Relations
An introduction to the major influences in the relationships between states. Emphasis is on the historical emergence of the International System. Internal and external influences on foreign policies are examined. Topics such as arms control, North-South relationships, global problems, and world peace are explored in depth. Use is made of maps, graphs, charts, statistics, and extensive use of the Internet.

3 credit hours. Satisfies ADR II.

PS303 American Foreign Policy
A study of the formation and conducts of U.S. relations with other nations of the world; emphasis is institutional with policy makers and policy execution at the center. Fundamental American values in foreign policy and the roles of leaders instrumental in creating and developing foreign policy objectives are examined. Open to juniors and seniors.

3 credit hours. Satisfies ADR II.

PS305 Parties, Campaigns, and Elections
The nature and function of political parties in the American two-party system; the impact of the mass media and campaign reform on the electoral process; third party movements; the future of both major political parties. Special attention will be paid to the most recent presidential nominations, campaigns, and election.

3 credit hours. Satisfies ADR II.

PS306 Introduction to International Organizations
This course deals primarily with the origins, nature, and functions of international organizations (the League of Nations, the United Nations, and regional organizations). The course examines the cooperative approach to international problems. Special attention is given to the structure and functions of the U.N. and the relations among the U.S., the U.N., and the Third World. Prerequisites: PS100 and PS302 or instructor’s approval.

3 credit hours. Satisfies ADR II.

PS307 International Law
A comprehensive introduction to the doctrines and processes of law in the global setting. Emphasis is placed on the nature and sources of international law, international institutions, statehood and sovereignty, the law of human rights, and emerging trends in transnational law.

3 credit hours.

PS308 International Political Economy
A survey of major contemporary theoretical efforts to relate economic and political behaviors. The course will explore international trade policies, Atlantic relations, and North-South issues, the political environment of multinational corporate activities, the politics of monetary relations, and the debate on globalization from a variety of perspectives. The
theoretical contributions will be weighed in light of the historical evidence and contemporary policy trends. The course is designed to inform the students of political economy as an academic discipline, as well as to provide some sense of its interdisciplinary nature, drawing as it does on both political science and economics.

3 credit hours.

PS310 Decision Making in the Public Sector
Decision making theory as it applies to the public sector. Includes both individual and group decision making environments as well as the political, psychological, and quantitative implications of decision making. Attention is given to the differences between the public and private sector (i.e., lack of profit motive, differences in sales and advertising techniques, etc.), and the impact of the political environment upon the public decision making process.

3 credit hours.

PS312 Politics of Public Policy
Analysis of the development, implementation, and evaluation of public policy within the federal system. The course will view the public policy from the perspective of the executive, legislative, judicial, and bureaucratic branches of government. In addition, emphasis will be placed on public input into the governmental process.

3 credit hours. Satisfies ADR II.

PS352 Introduction to Public Finance
The course focuses on an economic and political analysis of public choice theory, income distribution, expenditure analysis, income transfer programs, and tax theory. Topics include analysis of revenues and expenditures relating to such areas as health care, social security, welfare and unemployment, education, national security, etc.

3 credit hours.

PS361 American Political Thought
An introduction to American political thinking from the founding to the present. This course deals with the uniqueness of and tensions in the American tradition through a critical examination of the thought of American statesmen and theorists.

3 credit hours. Satisfies ADR II.

PS362 The Congress
A study of the history and politics of the U.S. Congress. Topics include the constitutional vision of the founders, the evolution of Congress as an institution, the differences between the Senate and the House of Representatives, the norms and folkways of the Congress, leadership in the House and Senate, the legislative process, and the Congress and Presidential and Congressional elections. Prerequisite: PS141 or PS142 or consent of instructor.

3 credit hours. Satisfies ADR II.

PS363 The Presidency
A study of the history and politics of the American presidency. Topics include the Electoral College and presidential elections, the formal powers of the presidency, the nature of presidential leadership and decision-making, the media and the presidency, the presidential office, the cabinet, the presidential bureaucracy, and contemporary theories of the presidency. Prerequisite: PS141 or PS142 or consent of instructor.

3 credit hours. Satisfies ADR II.

PS368/PHL368 Ancient Political Thought
A study of selected writings and texts from the ancient Greeks through the late Middle Ages. Topics to be discussed include the relevance of ancient philosophy, the nature of the polis, the role of the citizen, the rise of natural law, and the contributions of Christianity. Emphasis will be on a careful reading of primary sources. This course is cross-listed as PHL368. There are no prerequisites.

3 credit hours. Satisfies ADR II.

PS369/PHL369 Modern Political Thought
A study of selected writings and texts in political theory from Machiavelli to the present. Topics to be discussed include the modern understanding of power, social contract theory, the turn to history, and the contemporary philosophic situation. Emphasis will be on careful reading of primary sources. This course is cross-listed as PHL369. There are no prerequisites.

3 credit hours. Satisfies ADR II.

PS371/H371 American Constitutional Thought: Political Institutions
This course will provide an understanding of the development of the American constitutional system.
Emphasis will be given to the writing of the U.S. Constitution and the evolution of constitutional law as it relates to the Congress, the Presidency, the Judiciary, the bureaucracy and the place of state governments in American history. This course is cross-listed as H371.

3 credit hours. Satisfies ADR II.

PS372/H372 American Constitutional Thought: Civil Liberties and Civil Rights
This course will provide an understanding of the development of the American constitutional system. Emphasis will be given to the Supreme Court’s role in defining and protecting civil liberties such as speech, press, religion, privacy, due process, and equal protection. This course is cross-listed as H372.

3 credit hours. Satisfies ADR II.

PS406 International Peace and Security
This course will prepare the students to understand the causes and effects of violent conflict in the world. The study of traditional warfare as well as more recent variations such as civil war, international terrorism, and subversion will prepare students to analyze contemporary politics. This course highlights issues of contemporary global importance such as diplomacy, nuclear proliferation, and fundamentalist terrorism. Strategic issues related to Russia, the Middle East, and China as well as threats to the homeland will also be studied. Finally, the class addresses the pursuit of peace, as an alternative to conflict, and human security as an alternative to national security.

3 credit hours.

PS440 Seminar in International Relations
*Spring Semester*
Designed to be the capstone experience for seniors in International Studies and Political Science. Others by permission of instructor. Each year a different topic will be extensively examined. A research project is required, and various guest lecturers participate.

3 credit hours.

PS450 Senior Seminar in Political Science
This course is a senior-level seminar for Political Science majors. The purpose of the course is to offer an opportunity for students to integrate and synthesize their previous course work in the discipline. A major research paper will be required. Topics to be discussed will be professionalism and ethics; practical issues and concerns in applied research; controversies in research methods; the current state of the discipline. Open to senior Political Science majors, students minoring in Political Science, and others with the consent of the instructor. Prerequisite: PS262.

3 credit hours.

PS479, PS480, H477, H478 European Union
This course is designed to provide students with the opportunity to study the institutions and decision-making processes of the European Union for the purposes of participating in a Modern European Union simulation. Students will learn about the European Union as a unique international organization, and consider the issues and difficulties the EU and its member states face as they confront policy-making challenges. Students may participate in an experiential learning activity that is an annual Model EU simulation. Students will prepare to play the role of an actual EU-level politician. Students may take the course multiple times for credit, with a different role required year to year.

3 credit hours.

PS490, PS491 Government/Public Administration Internship
Specialized governmental experience in a selected city, county, state, or federal agency. Independent research may be a part of this experience. Departmental approval is required in advance. Pass/fail only.

3 credit hours each semester.

PS498, PS499 Independent Study
The Independent Study Program affords an opportunity for students who wish to undertake a well-defined research project. While these students conduct
their work under the guidance of a faculty member of their own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process.

1-3 credit hours.

PREMEDICAL STUDIES

Premedical courses (PMD) are offered through a collaborative arrangement between the Department of Biological Sciences and York Hospital. These courses are designed to provide students with premedical, nursing, or other interest in clinical studies with valuable first-hand experience in a hospital setting. Because these courses are offered at York Hospital, students enrolled in PMD courses will be required to comply with all Hospital rules and regulations. In addition, enrollment is restricted to only those students who are seriously committed to the pursuit of a career in medicine and/or healthcare. Biology majors may take PMD courses as free electives, but PMD courses are not considered upper-division Biology electives.

PMD110, PMD120  Family Medicine Grand Rounds  
*Fall-Spring Semesters*
This seminar course is offered in conjunction with the Family Medicine Department at York Hospital. Students will participate in weekly Family Practice Grand Rounds held at York Hospital, under the supervision of a local family practice physician. With new seminars offered each semester, students may take this course a maximum of two semesters. Prerequisites: BIO200 and departmental approval.

1 credit hour.

PMD130, PMD140  Emergency Medicine Grand Rounds  
*Fall-Spring Semesters*
This seminar course is offered in conjunction with the Emergency Medicine Department at York Hospital. Students will become actively involved in ongoing research efforts in the Emergency Department by working with physicians and other medical personnel to help identify patients who are suitable candidates for clinical trials. Students will participate in an orientation session with training on research procedures, protocols, and informed consent and may obtain verbal informed consent and administer surveys to patients. Students will work four hours per week in the Emergency Department and participate in biweekly didactic sessions. Students may participate in this course a maximum of two semesters. Prerequisites: A minimum of 60 college credits, including BIO200, and departmental approval. BIO220 and BIO222 are recommended.

2 credit hours.

PMD210  Emergency Medicine and Research I  
*Fall-Spring Semesters*
This course is offered in conjunction with the Emergency Department at York Hospital. Students will become actively involved in ongoing research efforts in the Emergency Department by working with physicians and other medical personnel to help identify patients who are suitable candidates for clinical trials. Students will participate in an orientation session with training on research procedures, protocols, and informed consent and may obtain verbal informed consent and administer surveys to patients. Students will work four hours per week in the Emergency Department and participate in biweekly didactic sessions. Students may participate in this course a maximum of two semesters. Prerequisites: A minimum of 60 college credits, including BIO200, and departmental approval. BIO220 and BIO222 are recommended.

2 credit hours.

PMD220  Emergency Medicine and Research II  
*Fall-Spring Semesters*
This course is offered in conjunction with the Emergency Department at York Hospital. Students will become actively involved in ongoing research efforts in the Emergency Department by working with physicians and other medical personnel to help identify patients who are suitable candidates for clinical trials. Students will participate in an orientation session with training on research procedures, protocols, and informed consent and may obtain verbal informed consent and administer surveys to patients. Students will work four hours per week in the Emergency Department and participate in biweekly didactic sessions. Students may participate in this course a maximum of two semesters. Prerequisites: A minimum of 60 college credits, including PMD210, BIO200, and departmental approval. BIO220 and BIO222 are recommended.

2 credit hours.
PMD230  Clinical Shadowing Rotations  
*Spring Semester*
This experience will allow students to become part of a medical team as observers. Students will participate in resident-mentored shadowing experiences in several clinical departments at York Hospital, including Internal Medicine, Family Medicine, and Emergency Medicine. In certain fields, efforts will be made to involve the student in both outpatient and inpatient settings. Extensive reviews of scientific literature will be conducted and weekly meetings with resident physicians will be expected. Students will choose a medical topic where a research paper, in one of several formats, will be written. Prerequisites: BIO200, BIO220, BIO222, and departmental approval.

2 credit hours.

PMD310  Advanced Human Anatomy  
*Fall Semester*
This course is offered in conjunction with the Surgery Department at York Hospital. The course is designed for students who wish to further their knowledge of human structure. Classes are held weekly in a lecture/discussion group format, and the laboratory component involves human cadaver dissection. References will be made as to how structure is related to function. Prerequisites: Departmental approval. BIO220 and BIO222 are recommended.

3 credit hours.

PSYCHOLOGY

PSY100  General Psychology  
*Fall-Spring Semesters*
This course is a survey presentation of the fundamental theories, principles, and research methods of psychology. Emphasis is placed on psychology as the scientific study of behavior and cognitive processes. Students will be expected to demonstrate critical evaluation and creative thinking skills, an understanding of the data-gathering methods of psychology, and an ability to utilize information technology. An experiential learning component is required.

3 credits hours. Satisfies ADR II.

PSY200  Essential Skills and Tools in Psychology  
*Fall-Spring Semesters*
This course provides students with the opportunity to further develop the essential skills needed in psychology of 1) critical and creative thinking, 2) critical reading, and 3) writing, using the major elements of APA (American Psychological Association) editorial style. A process learning approach will be used in which students will develop these skills in the context of several tasks, such as structured assignments for reading and critically evaluating both theoretical works and empirical articles in the field, participating in a guided small-scale group research project, and writing an APA paper in segments. Prerequisite: PSY100 or permission of instructor.

3 credit hours.

PSY210  Fundamentals of Biopsychology
This course will provide students with the opportunity to develop knowledge of the foundations of biopsychology (also known as physiological psychology or neuroscience). Topics include: functional neuroanatomy, neurophysiology, psychopharmacology, hormones and the brain, and evolution and development of the nervous system. Prerequisites: PSY100 or BIO110 or BIO112 or BIO150.

3 credit hours.

PSY221  Child and Adolescent Development
This course for non-majors of Psychology is a survey of the major developmental concepts. Examination of growth and change from conception through adolescence is stressed. Emphasis is placed on cognitive, biological, and social development. Prerequisite: PSY100. Does not satisfy Psychology major requirements or Psychology electives. Psychology majors must enroll in PSY321.

3 credit hours. Satisfies ADR II.

PSY222  Adult Development
This course for non-majors of Psychology is a survey of the major developmental concepts. Examination of growth and change from early adulthood through death will be stressed. Emphasis is placed on cognitive, biological, and social development. Prerequisite: PSY100. Does not satisfy Psychology
Psychology majors must enroll in PSY321.

3 credit hours.

PSY227  Psychology of Exceptional Children
This course will provide an introduction to the major areas of exceptionality that are typically encountered in the primary and secondary educational settings. Emphasis is placed on the etiology and diagnoses of these conditions and the role of psychology and psychologists within the educational setting. The provision of special and individualized education programming will also be reviewed. Prerequisite: PSY100.

3 credit hours. Satisfies ADR II.

PSY230  Abnormal Psychology
This course is designed for non-majors of Psychology who wish to better understand the concept of “abnormality” as it relates to psychological disorders. Using the current system for diagnosis (DSM system) as a guide, major categories of psychological disorders will be explored in terms of their development and symptom patterns. Particular attention will also be given to the intersection between the mental health and legal systems. Prerequisite: PSY100. Does not satisfy Psychology major requirements or Psychology electives. Psychology majors must enroll in PSY330.

3 credit hours. Satisfies ADR II.

PSY243  Social Psychology
This course explores the effects of the social environment on an individual’s behavior, emotions, and thoughts, including the effects of other people, groups, and self-perception. Topics include: Perceiving the self and others, attitude formation and change, persuasion, conformity and obedience, group influence, helping behavior, aggression, and attraction and love. Prerequisites: PSY100 and SOC100 or permission of instructor.

3 credit hours.

PSY270  Design and Analysis I
Fall-Spring Semesters
This course is designed to provide the Psychology major with an integrated introduction to the scientific method as practiced in psychology. Topics covered include: statistical analysis of data, experimental design, data collection, and the APA style for research report writing. A variety of statistical methods are presented. Prerequisite: PSY200.

3 credit hours.

PSY271  Design and Analysis II
Fall-Spring Semesters
This course is a continuation of PSY270. The course will focus on the experimental method and relevant statistical analysis. Prerequisite: PSY270 or permission of instructor.

3 credit hours.

PSY307  Cognitive Psychology
This course studies, in detail, those mental processes and structures that compose the human cognitive system. The course will view cognitive psychology as the coordinated operation of mental processes within a multicomponent memory system. Topics include: memory processes and theories, conscious processing, knowledge representation, and storage and retrieval of memory. Recent research findings and issues related to human memory are stressed. Prerequisite: PSY100.

3 credit hours.

PSY309  Theories of Learning
This course takes a theoretical approach to learning, employing viewpoints from traditional learning theory. Classic questions in the field of human learning are explored. Prerequisite: PSY100.

3 credit hours.

PSY310  Brain and Behavior
This course explores the complex relationships among the brain and other biological systems, behavioral and mental processes, and experience. Topics include neural/hormonal regulation of sexual behavior; homeostasis and regulatory behaviors; biorhythms, sleep, and dreaming; emotion, stress and health; biological bases of mental/behavioral disorders; and cognitive neuroscience. Prerequisites: PSY210 or BIO220 or BIO308.

3 credit hours.

PSY312  Psychological Aspects of Aging
This course for non-majors of Psychology is designed to provide students with a broad understanding of major topics and theories relevant to the psychological aspects of aging. Students will investigate health
behaviors, sensation and perception, cognitive abilities, personality, social interactions, motivation and emotion, psychological disorders, end of life issues, and successful aging. The course will also focus on the methods used to conduct psychological research with an aging population. Does not satisfy Psychology major requirements or Psychology electives. Prerequisites: PSY100.

3 credit hours. Satisfies ADR II.

PSY321 Developmental Science
An in-depth examination of the contemporary theories and research in developmental science is the focus of this course. The entire lifespan, conception through death, will be explored. Prerequisite: PSY200.

3 credit hours.

PSY330 Adult Psychopathology
Fall-Spring Semesters
This course is for psychology majors who wish to better understand the concept of psychopathology as the main focus of the mental health professions. Focus will be placed on understanding the construct of a psychological disorder, different perspectives and systems by which disorders can be diagnosed and classified, and symptom patterns of major categories of psychological disorders affecting the adult population. Throughout the course particular attention will be given to salient issues in the field and a multidimensional perspective on the etiology of psychological disorders will be encouraged. Prerequisite: PSY200.

3 credit hours.

PSY331 Child Psychopathology
Spring Semester
This course will serve as a supplemental course in psychopathology. Focus will be placed on psychological disorders of childhood and adolescence, including understanding different perspectives from which disorders can be diagnosed and classified, recognizing how these disorders fall outside the range of developmental norms and appreciating the symptom presentation, diagnostic strategies, and treatment of psychopathology in youth. Prerequisite: PSY100 and PSY330 or permission of instructor.

3 credit hours.

PSY354 Sensation and Perception
This course examines human sensory and perceptual processes. Emphasis is placed on the basic physiological mediation of human sensations and on the different research strategies used in understanding human perception. Viewpoints include the psychophysical, Gestalt, and cognitive approaches. Prerequisite: PSY100.

3 credit hours.

PSY363/OBD385 Industrial and Organizational Psychology
This course is an introduction to the scope and problems of industrial and organizational psychology. Emphasis is placed on personnel selection, human factors, group dynamics, system design, training leadership, performance evaluation and consumer psychology. Prerequisites: PSY100, PSY243, PSY270, PSY271, or permission of the instructor.

3 credit hours.

PSY365 Psychological Testing
Spring Semester
This course provides an introduction to the basic principles of measurement and a survey of the field of psychological testing and assessment. Topics include reliability, validity, test development, and interpretation of results. Theories of intelligence and their relation to intelligence testing, as well as personality and ability testing will also be discussed. Throughout the course ethical and social issues in testing will be stressed. Prerequisites: PSY270 and PSY271 or permission of instructor. Psychology majors who have Special Education minors should take PSY365 instead of SPE364.

3 credit hours.

PSY370 Design and Analysis III
Fall-Spring Semesters
This course provides students with the opportunity to apply the statistical and research techniques presented in PSY270 and PSY271. Students are responsible for writing an APA-style report and for oral presentation of original research. The research design may be experimental, quasi-experimental, or correlational. Statistical techniques covered in PSY270 and PSY271, such as ANOVAs and correlational analyses, may be used. Emphasis will also be placed upon critical reading and analysis of sci-
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c research. Prerequisite: PSY271 or permission of instructor.

3 credit hours.

PSY375-PSY399  Special Topics in Psychology
Fall-Spring Semesters
These courses are designed to enable students, particularly psychology majors, to focus on special topics or issues in the field of psychology. Topics in these courses will vary permitting students and faculty to focus upon areas of special interest or upon unique areas in the field. Each topic is offered infrequently. Prerequisite: PSY100; additional prerequisites may apply, depending upon the topic.

1-3 credit hours.

PSY381  Adult Psychopathology and the Media
The purpose of this course is to understand how our society forms ideas about psychopathology. A variety of media sources (i.e., written, audio and film content) that depict individuals with psychological disorders or highlight some aspect related to psychopathology may be used to understand how the media shapes and distorts our perceptions of psychopathology. Prerequisite: Psychology majors only and PSY330.

3 credit hours.

PSY421  Psychology Cooperative Internship
Fall-Spring-Summer Semesters
An internship is designed to make the academic work more meaningful by providing exposure to real-world experiences in psychology. An internship also provides an opportunity to explore job possibilities within the psychology field. Students select an agency that fits their interests and spend a minimum of 120 hours per semester performing and observing psychologically related tasks. Prerequisites: Approval of the instructor; completed application by the following dates: Fall-August 1, Spring-December 15, Summer-May 15 (dates roughly correspond to the end of the semester before the internship will take place); GPA of 2.5 or higher; and 60 credit hours.

3 credit hours.

PSY422  Psychology Cooperative Internship
Fall-Spring-Summer Semesters
This class provides the opportunity for an additional internship experience. The requirements are the same as the requirements stated in PSY421. Prerequisites: PSY421; approval of the instructor; completed application by the following dates: Fall-August 1, Spring-December 15, Summer-May 15 (dates roughly correspond to the end of the semester before the internship will take place); GPA of 2.5 or higher; and 60 credit hours.

3 credit hours.

PSY431  Psychology Teaching Practicum
Fall-Spring Semesters
This course provides an opportunity for the advanced Psychology student to assist a member of the Psychology faculty in a Psychology course. Prerequisites: PSY100; PSY270; PSY271; 12 additional hours in psychology; GPA 3.0 or higher; and permission of instructor.

1 credit hour.

PSY432  Psychology Teaching Practicum II
Fall-Spring Semesters
This course provides an additional opportunity for the advanced student to assist a member of the Psychology faculty in a Psychology course. Prerequisites: PSY431; GPA 3.0 or higher; and permission of instructor.

1 credit hour.

PSY440  Personality
This course presents a critical survey of the theories of personality and an exploration of individual differences in personality. Each theory is explored in terms of its origin, application and empirical validity. Students have the opportunity to complete personal application exercises. Topics include: personality development, continuity, and change; the effects of biology, evolution, social experience, cognitive processing, and self-determination on personality; the expression of personality in behavior and trait and personal need classifications. Prerequisite: Six credits in Psychology at the 300 level or higher.

3 credit hours.

PSY441  Counseling Theories in Psychology
Fall Semester
This course explores the major theoretical perspectives that provide the foundation for the contemporary practice of psychotherapy. In addition,
factors that are common to all therapies will be explored with the goal of providing an integrative framework for therapy that cuts across theoretical orientations. Throughout the course attention will be given to salient issues that influence the field. Prerequisites: PSY330; a minimum of 60 credits completed.

3 credit hours.

PSY472  History and Systems of Psychology
Fall-Spring Semesters
This course presents an analysis of the historical background and present systems in the field of psychology. Emphasis is placed on integrating coursework into a historical perspective. Prerequisites: 12 credits of Psychology at the 300 level or higher.

3 credit hours.

PSY490  Senior Seminar in Psychology
Fall-Spring Semesters
The capstone course in psychology is designed to provide the graduating senior with an integrating experience. Emphasis is placed on critical thinking, evaluation, and research. Prerequisite: PSY472.

3 credit hours.

PSY498  Independent Study in Psychology
Fall-Spring Semesters
The course allows a junior or senior Psychology student the opportunity to engage in self-guided learning related to the psychology field. Examples include, but are not limited to, research studies and in-depth investigations of an area of psychology for which there are no current course offerings. An end-of-semester culmination of the learning such as an APA-style paper, must be included in the course proposal. The course must be arranged with a full-time faculty member prior to registering for the course. Prerequisites: 12 additional credits in Psychology; 60 total credits; 2.5 or higher GPA.

1-3 credit hours.

PSY499  Independent Study in Psychology
Fall-Spring Semesters
The course allows a junior or senior Psychology student a second opportunity to engage in self-guided learning related to the psychology field. Examples include, but are not limited to, research studies and in-depth investigations of an area of psychology for which there are no current course offerings. An end-of-semester culmination of the learning, such as an APA style paper, must be included in the course proposal. The course must be arranged with a full-time faculty member prior to registering for the course. Prerequisite: PSY498 and 2.50 or higher GPA.

1-3 credit hours.

QUANTITATIVE BUSINESS

QBA260  Business Statistics I
Fall-Spring Semester
This is an introductory course in statistics, the study of proper methods of presenting data and of interpreting sample data based on probability theory. Coverage includes descriptive statistics, probability and probability distributions, and interval estimation and hypothesis testing of means and proportions. A statistical software package is introduced in this course. Prerequisite: Successful completion of IFS100 or IFS105, completion of MAT120 or equivalent with grade of 2.0 or higher. Students who have taken BEH260 or MAT250 are not permitted to take this course.

3 course hours.

QBA265  Business Statistics II
Spring Semester
This is a second course in an optional two-course sequence in statistics. It covers inferential statistics stressing underlying theory and assumptions, practical applications, and utilization of computer software. Topics covered include: analysis of variance, chi square tests, nonparametric statistics, index numbers, and aggregate price indexes, forecasting and time series analysis, sampling techniques, and regression analysis. Prerequisite: Completion of MAT120 and QBA260 or equivalents with grades of 2.0 or higher.

3 credit hours.
REC101  Recreation and Leisure in Modern Society
Fall-Spring Semesters
Surveys the present nature, scope, and significance of recreation and leisure for all citizens including specialized groups. Emphasis will be on the opportunities, responsibilities, and requirements of professional recreational work. Required for majors.
3 credit hours. Satisfies ADR II.

REC103  Leadership and Group Dynamics
Fall-Spring Semesters
Investigates the special problems facing recreation professionals in various types of group settings. Consideration will be given to developing, supervising, and coordinating recreational programs. Required for majors.
3 credit hours.

REC210  Recreation Programming
Fall Semester
Focuses on developing, planning, and implementing programs for a variety of leisure and recreation agencies. Covers the following principles and procedures related to program/event planning for individual, group, and community quality of life: assessment of needs; development of outcome-oriented goals and objectives; selection and coordination of programs, events, and resources; marketing of programs/events; preparation, operation, and maintenance of venues; implementation of programs/events; and evaluation of programs/events. Required for both Community emphasis and Therapeutic Recreation emphasis. Prerequisites: REC101 and REC103.
3 credit hours.

REC221  Experiential Learning in Recreation
Fall-Spring Semesters
Provides early field experience by placement in a recreational setting where the student will work 120 hours under careful supervision. Seminar sessions will be conducted to share problems and experiences. Required, by advisement, for majors. Prerequisites: REC101, REC103, REC210, or by permission of instructor.
3 credit hours.

REC250  Special Events Management
Fall Semester
This course is designed as an introduction to the theoretical and practical foundations of successful event management and special event planning. Lectures will emphasize the typology and categories of special events, including but not limited to: fairs, exhibitions, festivals, holiday celebrations, recognitions, spectator events, and conferences. The course focus
will also be on the development, preparation, and coordination of an actual event on campus as well as directly observing and evaluating an off-campus special event. Prerequisites: REC101, REC103, and REC210, or by permission of the instructor.

3 credit hours.

**REC310    Outdoor Recreation**  
*Spring Semester*  
Surveys trends and issues in outdoor recreation, parks and conservation, including agency resources, legislation, and research. Includes outdoor recreation programs, resource management, and outdoor skills. Recreation elective. Prerequisites: REC101, REC103, and REC210.

3 credit hours.

**REC311    Introduction to Therapeutic Recreation**  
*Fall Semester*  
Introduction to principles and techniques used in serving special groups with physical, emotional, or social disabilities. Required for majors. Prerequisites: REC101, REC103, and REC210, or by permission of the instructor.

3 credit hours.

**REC331    Leadership in Therapeutic Recreation**  
*Fall Semester, even-numbered years*  
Gives training in group leadership and organization and practical application of those techniques. Required for Therapeutic Recreation emphasis. Prerequisites: REC101, REC103, REC210, and REC311.

3 credit hours.

**REC333    Organizing Community Recreation**  
*Spring Semester*  
Considers the nature of urban recreation and the people it serves; study means for mobilizing a community for recreation, and the approaches for planning, organizing and conducting programs. Required for Community Recreation emphasis. Prerequisites: REC101, REC103, and REC210.

3 credit hours.

**REC343    Organizing Therapeutic Recreation**  
*Fall Semester, odd-numbered years*  
Concerned with the practice of therapeutic recreation and the specialized groups it serves; considers means of organizing a community or institution for providing recreation to meet unique requirements. Surveys approaches for planning, organizing, and conducting specially tailored programs. Required for Therapeutic Recreation emphasis. Prerequisites: REC101, REC103, REC210, REC311, or by permission of the instructor.

3 credit hours.

**REC380-384, 393, 394 Selected Topics in Community Recreation**  
*Fall Semester*  
Exploration of issues, trends, and philosophies of recreation including, but not limited to, commercial recreation, and travel and tourism. Prerequisites: REC101, REC103, REC210, or by permission of the instructor.

3 credit hours.

**REC385-389, 392 Selected Topics in Therapeutic Recreation**  
*Spring Semester*  
Exploration of issues, trends, and philosophies of recreation including, but not limited to, modalities in therapeutic recreation, and medical conditions and their implications for therapeutic recreation. Prerequisites: REC101, REC103, REC210, REC311, or by permission of the instructor.

3 credit hours.

**REC390    Meeting Children’s Needs Through Movement**  
*Spring Semester*  
The purpose of this course is to assist professionals working with elementary-aged children in an educational, recreational, or counseling setting to use play in order to help children learn the skills needed for living. These skills include: appropriate social interaction, focusing and maintaining attention, creativity, perseverance, emotional control, physical skills, and physical fitness. A primary focus in this course is the theory of “progressive challenges” in which multiple levels of difficulty are made available to the participant and the level of involvement chosen is left to the individual.

3 credit hours.

**REC400    Therapeutic Recreation and Aging**  
*Spring Semester*  
Exploration of the significance of recreation...
throughout the life cycle relative to the individual’s attitudes, values, behaviors, and use of resources. Emphasis on leisure life styles of the elderly. Prerequisites: REC101, REC103, REC210, REC311, or by permission of the instructor.

3 credit hours.

**REC401 Management of Recreation and Park Facilities**  
*Fall Semester*
Information on management procedures for recreation facilities; planning and design, fiscal and capital development, maintenance, safety, accessibility, and vandalism control. Required for Community Recreation emphasis. Prerequisites: REC101, REC103, REC210, and REC311.

3 credit hours.

**REC421, REC422, REC423, REC424 Directed Field Experience in Community Recreation and Leisure**  
*Fall-Spring-Summer Semesters*
These courses are designed to provide on-the-job experiences in application of principles and techniques in Community Recreation. This provides the student with the opportunity to develop the art and skill of dealing with people in a professional capacity while under close supervision of an experienced supervisor and a faculty member. Required for the Community Recreation emphasis. A total of 480 hours must be completed for the nine credit hours required; an additional 120 hours may be completed for an additional three credit hours as a recreation elective. Prerequisites: REC101, REC103, REC210, REC221, REC311, REC333, REC401, PSY100, SOC100, or by permission of the instructor.

3 credit hours.

**REC491 Seminar in Recreation and Leisure**  
*Spring Semester*
A study of the implications of leisure and recreation as they relate to organization of recreation services. Required of all majors of senior standing. Prerequisites: This course may be taken upon completion of all other required Recreation courses including but not limited to, REC101, REC103, REC210, REC221, and REC311, and should be scheduled for the last spring semester of the student’s program prior to graduation. This course may be taken either before or after the Directed Field Experience.

3 credit hours.

**REC498, REC499 Independent Study**  
*Fall-Spring Semesters*
Independent investigations of current problems facing the recreation field. These may include philosophical basis, delivery of services, professional problems, needed research, and certification or licensing. Recreation elective. Prerequisites: Permission of instructor and Coordinator of Recreation, junior or senior status, and 12 hours of Recreation.

1-3 credit hours each semester.
RELIGIOUS STUDIES

REL265 World Religions
This course provides an introduction to the world’s living religions—Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. The role of indigenous religions and the confrontation of religions in our contemporary world will also be studied.

3 credit hours. Satisfies ADR I.

REL270 Tradition and Culture of Judaism
This course introduces students to major concepts in the Jewish tradition as discussed in Judaism’s primary sacred texts. Students will also learn about the development of the Jewish tradition through history.

3 credit hours. Satisfies ADR I.

REL275 Tradition and Culture of Christianity
This course introduces students to Christianity’s foundational concepts as developed in the New Testament, the writings of the Church Fathers, and later writings. Additionally, the course introduces students to the historical development of the Christian tradition from a small Jewish sect into a world religion.

3 credit hours. Satisfies ADR I.

REL368 Religion, Society, and Culture
This course explores how religion interacts with, challenges, and is challenged by other aspects of human cultural life including art, politics, and ethics. The course examines these interactions as they are discussed by leading religious thinkers and their critics including Plato, Augustine, Kant, Marx, Nietzsche, Tillich, Niebuhr, Wittgenstein, Levinas, and others. Prerequisite: WRT102.

3 credit hours.

REL369 American Religious Thought and Culture
A study of the background of Catholicism, Protestantism, Judaism, and Native American religious traditions in the United States, as well as contemporary American religious movements. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

REL380 Special Topics in Religion
This course examines issues in the field of religious studies with an emphasis on interdisciplinary and cross-cultural perspectives. The specific topic for the course changes from semester to semester, according to faculty and student interest. In addition to courses on specific religious traditions, figures, movements, and sacred texts, topics may include religion and culture, religion and sociology, religion and ethics, religion and gender, and religion and film. Prerequisite: WRT102.

3 credit hours.

REL381/WGS381 Women and Religion
This course explores how women have factored into or been excluded from the roles, rituals, scriptures, theologies, and governing images of some of the world’s major religions. Additionally, the course explores contemporary efforts to contend with challenges to women in these traditions. Prerequisite: WRT102.

3 credit hours.

REL498, REL499 Independent Study
These courses provide an opportunity for the student who wishes to undertake a well-defined research project in an area of philosophy. While the student conducts work under the guidance of a faculty member of his or her own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process. Prerequisite: WRT102.

1-3 credit hours.
RT100  Basic Science for Respiratory Care
A survey of basic principles as applied to the practice of respiratory care. Included are respiratory terminology, scientific measure, fluid physics, gas physics, basic electricity, chemical and physical properties of matter, basic genetics, basic microbiology, respiratory therapy equipment cleaning and sterilization.

3 credit hours.

RT105  Medical Terminology for Health Professions
An introduction to medical terminology including prefixes, suffixes, roots, and abbreviations. Also included are use of medical dictionaries and the format of the patient chart.

1 credit hour.

RT110  Oxygen Therapy and Cardiopulmonary Resuscitation
An overview of the history of respiratory care and the professional organizations related to respiratory therapy. A comprehensive study of oxygen delivery devices, oxygen analysis, cardiopulmonary resuscitation, and artificial airways. This course includes certification in Basic Cardiac Life support by the American Heart Association. Prerequisite: RT100.

3 credit hours.

RT115  Bronchopulmonary Hygiene
An overview of respiratory anatomy, physiology, and pathophysiology. A comprehensive study of aerosol and humidity therapy, pharmacology of aerosol and humidity therapy, pharmacology of aerosolized medications, bronchial clearance techniques, intermittent positive pressure breathing, and rehabilitation and home care of the respiratory patient. Also included is an introduction to physical examination of the chest and chest x-ray interpretation. Prerequisite: RT100.

3 credit hours.

RT120  Mechanical Ventilation
A comprehensive study of the physiology of positive pressure breathing, the design and function of continuous mechanical ventilators, techniques of continuous ventilation, and monitoring of the patient receiving continuous ventilation. Prerequisites: RT100, RT110, RT115, RT130.

4 credit hours.

RT125  Pulmonary Function Testing and Interpretation
A study of pulmonary diagnostic procedures including spirometry, lung volumes, diffusing capacity, response to bronchodilator, and bronchial challenge. Also included is an introduction to exercise testing, fiberoptic bronchoscopy, and sleep studies. Prerequisites: RT100, RT110, RT115, RT130.

2 credit hours.

RT130  Pulmonary Diseases
A comprehensive study of diseases of the respiratory system, and the pharmacologic treatment of pulmonary diseases. Prerequisite: RT100.

3 credit hours.

RT135  Pediatric Respiratory Therapy
An introduction to fetal development, evaluation of the newborn, and cardiopulmonary diseases of infants and children. A comprehensive study of airway management, bronchopulmonary hygiene, continuous positive airway pressure, and mechanical ventilation of the pediatric patient. Prerequisites: RT100, RT110, RT115, RT130.

2 credit hours.

RT150  Clinical Practice I
An orientation to the hospital and departments related to respiratory therapy. An introduction to respiratory therapy clinical practice (may include evening rotations). Clinical competence in bland aerosol, bronchial clearance techniques, aerosol therapy with medications, incentive spirometry, oxygen therapy. Prerequisite: RT100. Corequisites: RT110, RT115, RT130.

1 credit hour.

RT160  Clinical Practice II
Clinical practice in respiratory care including rotations through general therapy procedures, critical respiratory care, and pulmonary function testing (may include evening rotations). Clinical competence in IPPB, induced sputum, air compressors, ultrasonic nebulizers, oxygen analysis, cuff pressure measure-
ments, Leukens Trap, oxygen titration, secure endotracheal tube, suction through airway. Prerequisite: RT150. Corequisite: RT120, RT125, RT135.
   2 credit hours.

RT210 Evaluation of the Patient with Pulmonary Disease
A comprehensive study of pulmonary evaluation techniques including pulmonary history, chest physical diagnosis, pulmonary function interpretation, arterial blood gas interpretation, and chest x-ray interpretation. Special emphasis on patient response to respiratory therapy with particular attention to goals of therapy, delivery of therapy, and evaluation of response to therapy. Prerequisite: Completion of freshman year RT program or permission of instructor.
   2 credit hours.

RT250 Clinical Practice III
Clinical practice in respiratory care including rotations through general therapy procedures (including limited evening, weekend, and night rotations), critical respiratory care, pulmonary function testing, secondary clinical affiliates, clinical laboratory, and anesthesia. Clinical competence in cardiopulmonary resuscitation, initiation of therapy, tracheal intubation, arterial blood gas puncture and analysis, ventilator monitoring, ventilator circuit change, bedside parameters for weaning, extubation, oxygen tents, post-op respiratory care, nasotracheal suction, infant CPAP, infant ventilator set-ups, adult ventilator set-ups, IMV, PEEP/CPAP, transport, pulmonary function testing, respiratory equipment, cleaning and maintenance. Prerequisite: RT120, RT125, RT135, RT160.
   4 credit hours.

RT255 Clinical Practice IV
Clinical practice in respiratory care including rotations through general therapy procedures (may include evening rotations), critical respiratory care, and pulmonary function testing. In addition to application, emphasis will be placed on patient evaluation and determination of appropriateness of therapy. Clinical competency in cardiopulmonary resuscitation, arterial blood gas puncture and analysis, ventilator monitoring, ventilator circuit change, oxygen tents, spirometry. Prerequisite: RT160.
   1 credit hour.

RT260 Clinical Practice V
Clinical practice in respiratory care including rotations through general therapy procedures, clinical respiratory care, and pulmonary function testing (may include evening rotations). In addition to application, emphasis will be placed on patient evaluation and determination of appropriateness of therapy. Clinical competence in initiation of therapy, bedside spirometry, nasotracheal suction, IMV, weaning from mechanical ventilation. Prerequisite: RT255.
   1 credit hour.

RT270 Clinical Practice VI
Clinical practice in respiratory care including rotations through general therapy procedures (may include evening rotations), critical respiratory care, and pulmonary function testing. In addition to application, emphasis will be placed on patient evaluation and determination of appropriateness of therapy. Clinical competence in initiation of therapy, lung volumes determination, PEEP/CPAP, extubation, post-op respiratory care. Prerequisite: RT260.
   1 credit hour.

RT280 Clinical Practice VII
Clinical practice in respiratory care including rotations through general therapy procedures (including limited evening, weekend, and night rotations), critical respiratory care, pulmonary function testing, secondary clinical affiliates, clinical laboratory, anesthesia, and respiratory therapy management and education. Clinical competence in adult ventilator set-up, infant ventilator set-up, patient transport with mechanical ventilation, exercise testing, methacholine challenge testing, lung diffusion testing, respiratory equipment cleaning and maintenance. In addition to application, emphasis will be placed on patient evaluation and determination of appropriateness of therapy. Prerequisite: RT270.
   3 credit hours.

RT320 Pulmonary Physiology
A comprehensive study of pulmonary physiology with special emphasis on clinical application of physiologic principles. Also included are the influences of pulmonary and renal physiology on acid-base balance, and neurologic aspects of respiratory care. Prerequisites: BIO220, BIO222, RT210, or permission of instructor.
   3 credit hours.
RT330 Cardiac Physiology
A review of cardiac physiology and cardiac disease and a comprehensive study of the EKG and pharmacologic treatment of cardiac disease. Special emphasis will be placed on the interrelationship of cardiac and pulmonary disease. Prerequisites: RT210 or permission of instructor.

2 credit hours.

RT350 Clinical Practice VIII
This is a clinical practice course in respiratory care including rotations through general therapy procedures and critical respiratory care. Special emphasis is placed on neonatal care and hemodynamic monitoring with clinical competence evaluation in neonatal respiratory care and hemodynamic monitoring techniques. Prerequisites: RT270 or permission of instructor.

1 credit hour.

RT410 Independent Study in Respiratory Therapy
This course is designed to allow the student an opportunity to participate in a research project or clinical affiliation of his/her choice. This project is conducted under the direction of a faculty member. Prerequisite: Completion of the junior year of the respiratory therapy program or permission of instructor.

1 credit hour.

RT415 Clinical Practice IX
This is a clinical practice course in respiratory care including rotations through general therapy procedures, critical respiratory care, and pulmonary function testing. In addition to required clinical rotations, the student will be allowed the opportunity to select clinical rotations of individual interest. Prerequisites: RT350 or permission of instructor.

1 credit hour.

RT420 Clinical Practice X
A continuation of RT415. Prerequisites: RT415 or permission of instructor.

1 credit hour.

RT450 Respiratory Therapy Seminar
This course is designed to integrate all aspects of the student’s respiratory therapy experience. Selected topics are discussed as they relate to respiratory therapy practice. Students present patient case studies, review current journal articles, and present a research paper. Prerequisites: completion of the junior year of respiratory therapy or permission of the instructor.

2 credit hours.

SOCIOLOGY

SOC100 Introduction to Sociology
Fall-Spring Semesters
This course is designed to be an introduction to the academic discipline of sociology. It focuses on the history and central theories in the field, as well as acquainting the students with the techniques of analysis used by sociologists as they conduct research. Students in this course will study topics such as gender issues, population, race and minority relations, the family, and social change.

3 credit hours. Satisfies ADR II.

SOC201 Sociology of Family Violence
Spring Semester
This course is designed to allow students to investigate various forms of violence related to the family. We will focus on intimate violence, child abuse, sibling violence, elder abuse, and related topics. Three integrated themes will run throughout the course: 1) gaining knowledge about the causes and consequences of family violence; 2) understanding the social context of family violence; and 3) exploring, examining, and developing a personal philosophy about family violence and related issues. We will work together to develop an understanding of these problems and to generate ideas regarding specific policy for solutions. Prerequisite: SOC100.

3 credit hours.

SOC210 Drug/Alcohol Addiction
Spring Semester
This course is designed to teach the student about the societal aspects of addiction. By putting the addicted person into the context of the group, family, and society, the student is given theoretical approaches that
helps them to understand current treatment and prevention strategies. Prerequisite: SOC100.
3 credit hours.

SOC220  American Social Problems
Fall-Spring Semesters
A study of the contemporary social problems surrounding major social institutions and society. Emphasis is on theories for assessing causes and remedies. Prerequisite: SOC100.
3 credit hours. Satisfies ADR II.

SOC225/WGS225  The Family
Fall-Spring Semesters
This course includes topics such as economic, political, and social movements that have affected family life, family adjustments, and organization. Additionally, it presents sociological data that can help students consider practical approaches to preparation for marriage and adjustments after marriage. Students will be learning about the history of this field of study, the central sociological theories that guide our studies, and about the use of statistical data and analysis to understand more about trends and changes in the family. As part of this course, students will be required to complete examinations, participate in some form of research assignment using information technology and/or presentations, and will be encouraged to think more critically and creatively about our families. Prerequisite: SOC100.
3 credit hours. Satisfies ADR II.

SOC230  Development of Sociological Theory
Fall Semester
An analysis of the historical development of social thought and theory from Comte to Simmel. Prerequisite: SOC100.
3 credit hours.

SOC235  Contemporary Sociological Theory
Spring Semester
A study of the recent developments and main currents in contemporary sociological thought, starting with functionalism. Prerequisite: SOC100.
3 credit hours.

SOC240  Theory and Policy for the Human Service Professional
Fall Semester
This course is designed to introduce the student in Human Services concentration to the major theoretical perspectives used to understand ethical and professional issues relevant to the field. The competencies and skills required of the human service professional worker, the client’s right to dignity, respect, and understanding, and other pertinent ethical issues will be discussed. The development of social policy and its impact on both the worker and the client will focus on meeting the demand in the current social, economic, and political landscape. Prerequisite: SOC100.
3 credit hours.

SOC301  Environmental Sociology
Fall Semester
This course will explore a variety of sociological approaches to the study of society and its physical environment. Major topics to be investigated include the history of the environmental movement, world population growth, energy and environmental policy, the earth’s natural resources, prospects of sustainability, and globalization. Prerequisite: SOC100.
3 credit hours.

SOC302  Sociology of Health and Illness
Spring Semester
This course emphasizes the social construction of health and illness, the health professions, the medical research process, and the health care industry in the United States. It analyzes the cultural meanings associated with health and illness; the political controversies surrounding health care, medical knowledge production, and the structure of the social institutions that comprise the health care industry. Prerequisites: SOC100 or permission of the instructor.
3 credit hours.

SOC305  Working with Children and Youth
Fall-Spring Semesters
Based on the theoretical approaches learned in the Theory and Policy course for the Human Service Professional, this course will focus on issues of child/adolescent welfare. It will describe specific problems faced by this segment of the population and will address various treatment options as well as agency policies relating to them. Students will be involved in projects that will help them learn more about issues such as latchkey children, child abuse, and adoption/foster care. Prerequisites: SOC100 and SOC240.
3 credit hours.
SOC310  Sociology of Organizations  
*Fall Semester, even-numbered years*  
An analysis of organizations as social systems. The structure of organizations, their patterns, and the impact of society on organizations will be examined. Prerequisite: SOC100.  
3 credit hours.

SOC315  Ethnic and Minority Relations  
An analysis of the bases of ethnic conflict, accommodation and assimilation of ethnic, nationality, religious, and racial minorities. A domestic and global perspective is utilized. Prerequisite: SOC100.  
3 credit hours.

SOC320  Criminology  
*Fall-Spring Semesters*  
An analysis of the creation of law, criminal causation, and corrections. Prerequisite: SOC100.  
3 credit hours.

SOC330  Sociology of Religion  
*Spring Semester, even-numbered years*  
In this course, students will use a social psychological and structural approach to understand the nature of American religious systems. Using major theoretical perspectives such as authoritarian personality structure, conflict theory, and structural-functionalist, students will learn how to assess the impact of religion on the society and on groups within the society. Prerequisite: SOC100.  
3 credit hours.

SOC335  Research Methodology I  
*Fall Semester*  
This course is the first of two research courses required for Behavioral Science majors. The course will introduce students to the concepts and principles of behavioral research. This knowledge will then be used to design research projects and collect data.  
3 credit hours.

SOC336  Statistics Research Methodology II  
*Spring Semester*  
This course is a continuation of SOC335 Research Methodology I. The emphasis in this course will be on data analysis and presentation and report writing. Students will apply statistical techniques to data collected in SOC335. The results of the data analysis will be used to prepare written reports and computer-generated presentations. This course will conclude with research results being presented to the community organization for which the research was conducted. Prerequisite: SOC335.  
3 credit hours.

SOC340  Urban Sociology  
*Spring Semester, odd-numbered years*  
A study of the sociological development of modern cities and the impact of urbanization and urban problems on individuals, groups, and neighborhood or community formation. Prerequisite: SOC100.  
3 credit hours.

SOC345  Human Service Techniques  
*Fall-Spring Semesters*  
An analysis and application of skills in client-worker relationships, information gathering, interactional skills, and the referral process. Prerequisite: SOC100.  
3 credit hours.

SOC355  Program Design and Evaluation  
*Fall Semester, even-numbered years*  
This course provides the skills required to design and evaluate social programs. It is especially suited for students interested in human services or criminal justice.  
3 credit hours.

SOC360  Gender and Society  
*Fall Semester*  
This course introduces gender as a social construct and an organizing principle of culture and society. Course material focuses primarily on gender relations in American society, with cross-cultural examples introduced throughout the course as well. Students will examine gender at multiple levels of sociological analysis, as a key factor in identity formation, social interaction, and the organization of social institutions. Historical patterns of gender inequality and progress will be addressed. Students will also examine the relationship between sex and gender, as well as the intersections of gender with race/ethnicity, class, and sexuality. Prerequisite: SOC100.  
3 credit hours. Satisfies ADR II.
SOC410    Population Trends
Fall Semester, odd-numbered years
A study of population dynamics and their effects on society. Emphasis will be placed on the United States. The topics will be especially relevant to Behavioral Science, Political Science, and Business majors. Prerequisite: SOC100.

3 credit hours.

SOC415    Grant Writing for Non-profit Agencies
Spring Semester
This course is designed as an introduction to grant writing in the nonprofit sector. Students will learn practical skills necessary for writing successful grant proposals, as well as the interpersonal skills vital to cultivating relationships with potential funders. The course will review program design and evaluation, and will introduce students to a variety of resources available to non-profit grant seekers. Prerequisites: SOC100 and SOC355.

3 credit hours.

SOC420-422    Selected Topics In Sociology
Fall-Spring Semesters
Selected Topics in Sociology is a course designed to meet the special interests of students and faculty. Each semester a different topic will be studied, such as gender studies, victimology, and grant writing. Prerequisite: SOC100.

3 credit hours.

SPORT MANAGEMENT

SPM101    History and Philosophy of Sport
Fall-Spring Semesters
A survey of the philosophy and historical development of sport. The course will examine the major philosophical schools of thought in sport and trace the development of competitive sport from ancient civilizations to the present. Recurring themes will be identified and significant individuals and events that impacted the history of sport will be discussed to gain a better understanding of how this important aspect of how the human experience evolved to its integral place in society.

3 credit hours.

SPM105    Sport Management Freshman Seminar
Fall-Spring Semesters
This course is designed for the Sport Management major. Emphasis will be placed on the most relevant issues and concerns of how to be successful in the sport management industry. Topics will include business etiquette, professional development, outcomes assessment, the initial development of a professional portfolio, and networking. Corequisite: SPM110.

1 credit hour.
SPM110-111  Sport Management Practicum  
*Fall-Spring Semesters*  
The course is designed for the freshman Sport Management major to gain and use a variety of skills needed for event management. The course will focus primarily on game/event administration. This is an experiential course in which the student completes the assigned tasks on campus.  

0.5 credit hour.

SPM112-113  Sport Management Practicum  
*Fall-Spring Semesters*  
The course is designed for the sophomore Sport Management major to gain experience on campus in relation to facility management. The student will both develop and use supervisory skills in various roles in the Grumbacher Sport and Fitness Center. This is an experiential course in which the student completes the assigned tasks on campus. Prerequisites: SPM110 and SPM111.  

0.5 credit hour.

SPM201  Introduction to Sport Management  
*Fall-Spring Semesters*  
An analysis of effective management strategies and the body of knowledge associated with pursuing a career as a manager in the sport industry. Functional management, strategic planning, decision making, leadership style, managing conflict and change, motivation of a workforce, and career opportunities in different sport environments will be explored during the course of the semester.  

3 credit hours.

SPM220  Sport in Society  
*Fall-Spring Semesters*  
This course is an analysis of the social relations within the institution of sport. This course is designed to acquaint students with the relationship between sport and the society in which it is embedded. Topics include international cultures in sport; violence and deviant behavior in sport; social stratification in sport; sport education; and societal beliefs, traditions, customs, and the sport subculture.  

3 credit hours.

SPM260  Lifeguard Specialties  
*Spring or Summer Semester*  
This course is designed for current lifeguards who wish to specialize in the three areas. These include Lifeguard Management, Waterfront Lifeguard, and Water Park Lifeguard. Nationally recognized certification will be awarded on successful completion of the course. Prerequisite: PE124.  

2 credit hours.

SPM310  Sport Behavior  
*Fall-Spring Semesters*  
This course is a survey and analysis of the principles, theories, and applications associated with sport and the exercise behavior. Study, research, and discussion of participants, group processes, and sport/exercise environments will lead to a greater understanding of the psychological factors that enhance and impede individual and team performance. Prerequisites: PSY100 and PE1134 with a grade of 2.0 or higher.  

3 credit hours.

SPM320  Sport Administration and Management Practices  
*Fall-Spring Semesters*  
This course provides an overview of practical applications of management theory in the sport environment. Areas to be covered include personnel decisions, financial issues, and computer applications in sport. Prerequisites: MGT250 and SPM201 with a grade of 2.0 or higher.  

3 credit hours.

SPM330  Sport Marketing  
*Fall Semester*  
This course provides an overview of the various techniques and strategies of marketing in the sport environment. Areas to be covered include the processes of the sport marketing planning model, the segmentation process, the identification of target markets, database and relationship marketing, the major concepts of sport marketing, and the development of the sport marketing mix and sponsorship packages. Prerequisites: Sport Management majors only or with permission of the instructor. SPM201, IFS100 or IFS105, and MKT200 with a grade of 2.0 or higher.  

3 credit hours.

SPM340  Financing Sport Operations  
*Fall-Spring Semesters*  
This course develops an analysis of financial concepts and theories and their application in the professional, intercollegiate, and commercial sport industries. Topics include revenues and expenses of
professional, intercollegiate, and private sport industries; issues impacting these revenues and expenses; budgeting methods; economic impact; fundraising at the intercollegiate level; ownership in sport and public and private funding for non-profit sport programs. Prerequisites: Sport Management majors only or with permission of the instructor. IFS100 or IFS105, SPM201, and ECO200.

3 credit hours.

SPM350 Public and Media Relations in Sport

Spring Semester

This course provides an analysis of the role of the media and public relations in sport organizations. The appropriate methods and theories will be presented as well as their application in the professional, intercollegiate, and commercial sport industries. The relationship between sport organizations and the print and electronic media will be explored and how that relationship is vital to the success of the sport organization will be emphasized. Prerequisites: Sport Management majors only or with permission of the instructor. SPM201 and CM104 with a grade of 2.0 or higher.

3 credit hours.

SPM360 Aquatic Facilities Management

Spring Semester

The Aquatic Facilities Management course is designed to prepare individuals to manage pools, spas, water parks, and outdoor aquatic facilities. Some of the topics covered are water chemistry and filtration, staff management, event management, emergency action plans, liability issues, client health issues, and facility visitations. Upon successful completion, nationally recognized certification will be awarded. Prerequisite: PE124 or PE126, or permission of the instructor.

3 credit hours.

SPM361 Aquatic Recreation Systems

Spring Semester

This course presents the student with basic knowledge of the systems associated with recreational aquatic facilities. These include electrical, HVAC, chemical feeding, pumps, hydraulics, surfaces, and computer applications. Current and future trends will be explored, and site visitations are a required component of the course. Prerequisite: IFS105.

2 credit hours.

SPM362 Lifeguard Instructor

Spring Semester

This course will train students to teach basic-level lifeguarding to others. In addition it will prepare students to instruct waterfront lifeguarding, water park lifeguarding, and to serve as a shallow water attendant. In addition to providing the student with first aid instruction, this course will provide instructor training in lifeguard management, CPR/AED for the professional rescuer, the emergency administration of oxygen, dealing with blood borne pathogens, disease prevention, and basic water rescue. Students will use course materials to develop and conduct training sessions and will learn to evaluate the learning progress of trainees in a professional level training program. Prerequisite: PE124 or equivalent certification. Recommended SPM260.

3 credit hours.

SPM370 Special Topics in Sport Management

Fall Semester

This course examines issues in the field of sport and sport management as they affect us, our culture, and society. The specific topic for the course changes from semester to semester according to faculty and student interest. Topics such as race and gender in sport as well as current trends and issues are possible topics. Introduction to Sport Management, or History and Philosophy of Sport, and/or Sport Behavior are recommended as a strong foundation before enrolling, but are not prerequisites.

3 credit hours.

SPM401 Professional Development

Fall-Spring Semesters

This course is designed for the Sport Management major. Emphasis will be placed on the most relevant issues and concerns of the Sport Management industry. Topics will include the analysis of internship and career goals, the development of a professional portfolio, a resume, a cover letter, and experience with interviewing techniques and business etiquette. Prerequisites: Sport Management majors only or with permission of the instructor. SPM 330 with a grade of 2.0 or higher. Course must be taken one or two semesters before SPM 480.

1 credit hour.
SPM410  Ticket Operations/Negotiation and Arbitration in Sport  
*Fall-Spring Semesters*

The course is designed to teach students various sales and marketing techniques to help them in their pursuit of employment. It will cover ticket distribution, customer service, ticketing software as well as a real life ticket sales campaign. The course will also cover the roles of negotiation and arbitration in the sport industry. It will provide the students with a background in salary disputes, as well as the importance of these skills in resolving disputes in both professional and international sport. Prerequisites: Sport Management majors only or with permission of the instructor. SPM330 with a grade of 2.0 or higher.

 3 credit hours.

SPM420  Facility and Event Management  
*Spring Semester*

An analysis of the management process involved in the designing and managing of a sport facility as well as the skills and processes associated with administering a sport event whether it be participant-centered (e.g., road race, youth tennis tournament) or spectator-centered (e.g., college football game, basketball game, professional golf tournament). Prerequisites: Sport Management majors only or with permission of the instructor. SPM201 and SPM320 with a grade of 2.0 or higher.

 3 credit hours.

SPM425  Legal Aspects of Sport  
*Fall Semester*

An overview of the legal aspects related to the sport environment. Areas of study include constitutional law, legislative enactments, and case law related to sport and the administration of sport programs; contracts, labor agreements, product liability, tort law, and risk management. Prerequisites: Sport Management majors only or with permission of the instructor and senior status in Sport Management major.

 3 credit hours.

SPM475  Ethics and Current Issues in Sport  
*Fall-Spring-Summer Semesters*

A seminar examining current research, issues, reform movements, trends, and ethical dilemmas in the sport management field. Topics will include issues in intercollegiate athletics, the Olympic Movement, high school sport, and private sector. Reading current texts and articles, discussion, reaction papers and evaluation of the opinions of experts in the field will be used as the foundation for the course. Corequisite: SPM480. Prerequisites: Sport Management majors only or with permission of the instructor and senior status in Sport Management major.

 3 credit hours.

SPM480  Work Experience in Sport Management  
*Fall-Spring-Summer Semesters*

A practical application experience for senior Sport Management majors that enables the student to utilize theories presented in coursework. This is a full academic semester experience consisting of 450-500 hours of work experience. It is taken concurrently with SPM475 and no other courses may be taken during the work experience semester. Prerequisites: Sport Management majors only or with permission of the instructor and senior status in Sport Management major.

 9 credit hours.

THEATRE

THE205  Text Performance  
*Fall-Spring Semesters*

Analyses, performance readings, and critical responses to poetry, prose, and drama.

 3 credit hours. Satisfies ADR I.

THE220  Theatre Construction  
*Fall Semester, odd-numbered years*

Introduction to the basic practices of scenic construction. Students will learn the safe and appropri-
The use of shop tools and participate in the construction of scenery for realized productions. Construction techniques, learning to read drawings, material ordering and handling, finish carpentry techniques, shop and stage crew management, time management, and problem solving are all topics covered in this course.

3 credit hours.

THE221 Theatre Technology
Spring Semester, even-numbered years
Practical discussion and exploration of the programs and tools currently used in the theatre industry. Students will learn hand drafting techniques, computer aided drafting and design, 3D representational modeling, database creation and usage, and production budgeting and management.

3 credit hours.

THE240 Dance History I
Dance History I: Dance as a Performance Art is a survey of Western dance genres (ballet, modern dance, jazz, tap, and musical theatre). This course introduces students to dance technique, performance, and composition as fundamental components in the art of dance. Technical, aesthetic, and historical inquiries of each dance genre will be analyzed according to the body’s use of alignment, weight, space, and energy.

3 credit hours.

THE241 Dance History II
Dance History II: Cultural Dance Forms is a survey of world cultural dance forms. This course introduces students to traditional ethnic dances (African, European, Asian) at the beginning level. Dance History II explores non-presentational dance forms that are intricately woven into the culture of a particular society, and performance-based forms with attention to movement integrity and cultural memory. Prerequisite: Dance History I or instructor permission.

3 credit hours.

THE262 Acting
Fall-Spring Semesters
Instruction and practice in physical and vocal expressive techniques and textual analysis. Students synthesize understanding and expressiveness in performance.

3 credit hours.

THE320 Scene Design
Fall Semester, even-numbered years
Introduction to the fundamental concepts of scenic design. Students will develop the basic skills needed to design sets for both traditional and modern theatre spaces. Design projects will focus on script analysis, design theory, the history of architectural styles, rendering and model building, research techniques, budgeting, and problem solving.

3 credit hours.

THE321 Lighting Design
Spring Semester, odd-numbered years
Introduction to the basic principles of lighting design. Practical projects will allow students to develop design techniques for multiple venues. This course includes script analysis pertinent to lighting design and effects, collaborative design, color theory, basic design concepts, control systems, electrical theory, the mechanics of lighting instruments, and presentation.

3 credits hours.

THE322 Costume Design
Spring Semester, even-numbered years
Introduction to the fundamentals of design and development of the basic skills needed to create costumes for all theatre genres. Design projects will challenge students to apply these skills to solve problems in the design process. This course includes script analysis, research, style, organization, rendering, collaborative design, and production/portfolio presentation.

3 credits hours.

THE340 Modern Dance Theory and Style I
Modern Dance Theory and Style I provides an introduction to the modern dance techniques and styles of major dance figures and cultural influences, including American, European, African, and Asian artists. Students explore body alignment, spatial patterning, simple and complex movement phrases, and improvisation in relation to dance styles presented through reading assignments, recorded viewings, and performances.

3 credit hours.

THE341 Modern Dance Theory and Style II
Modern Dance Theory and Style II expands the analysis and practice of modern dance techniques
and styles introduced in Modern Dance Theory and Style I. Progressively complex spatial and rhythmic movement patterns are experienced in relation to the historical referencing of major modern dance figures. Greater attention is given to the use of body alignment, use of weight, spatial awareness, movement memory, technical development, and compositional studies. A survey of dance writers and performance critiques are reviewed to expand historical referencing and provide analysis for contemporary dance styles. Prerequisite: THE340 or instructor permission.

3 credit hours.

THE350-THE353 Theatre Practicum
Fall-Spring Semesters
Hands-on experience in set construction, lighting control, costume and prop creation, box office management, and performance.

1 credit hour per semester, up to four.

THE355 Advanced Acting
Spring Semester
Exploration of the techniques of acting in plays from Ancient Greece and Rome, Renaissance England, Commedia dell’Arte, and 19th-century melodrama. Emphasis on stylized voice and movement, text analysis, and interpretation in performance. Prerequisite: THE262 or permission of instructor.

3 credit hours.

THE360 History of Theatre I
Fall Semester, even-numbered years
Covering the period from antiquity to 1600, this course examines the origins of theatre and considers scripts, theatres, audiences, acting, and staging conventions in plays from the Greek, Roman, Medieval, and Elizabethan periods.

3 credit hours.

THE361 History of Theatre II
Spring Semester, odd-numbered years
Covering the period from 1600 to the advent of “realism” in the 1880s, this course examines theatres, audiences, acting, and staging conventions related to the dramas that were created, with some exceptions, for proscenium stages.

3 credit hours.

THE275/WRT275 Playwriting
This course gives students guided practice in the principles and stylistic conventions of playwriting. Students read a number of monologues and short plays, explore different theories of playwriting, and write a monologue, a short scene, and a one-act play. Students will have the opportunity to submit their plays for possible production in the College one-act play performances. Prerequisite: WRT102.

3 credit hours.

THE380 Special Topics in Theatre
Specific content changes from semester to semester and may be suggested by faculty or student interest, for example, World Drama, Contemporary Drama, Experimental Theatre/Performance Art, and theatre defined by geography, technology, language, or playwright.

3 credit hours.

THE410 Western Theatre
Fall Semester, odd-numbered years
In this course, dramas by Moliere, Racine, Schiller, Goldoni, Gozzi, Lope de Vega, Calderon, Gorki, Gogol, Beaumarchais, Hugo, and other well-known European playwrights will be read, discussed, and performed. Historical staging and acting conventions of the scripts will be highlighted. Prerequisites: WRT102, WRT202, THE254.

3 credit hours.

THE415 Non-Western Theatre
Spring Semester, even-numbered years
This course will consist of readings, discussions, and DVD viewings of important works from India, China, Japan, and Indonesia along with practice in kabuki and noh movement, music and mask work. Connections of non-Western theatre’s acting and staging conventions with contemporary Western avant-garde theatre will be made. Prerequisites: WRT102, WRT202, THE254.

3 credit hours.

THE416/LIT416 Modern Drama
Modern Drama is a study of representative plays by major American and European playwrights from Ibsen to the present. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.
THE450, THE451  Theatre Internship
The purpose of an internship is to give students training and work experience in appropriate professional theatres. Responsibilities are determined by the supervisor(s) of the sponsoring theatre and by the Director of Theatre. Students are required to complete an internship application, must have earned more than 60 credits with a minimum 2.5 cumulative GPA, and must spend a stipulated minimum of hours on site.
1-3 credit hours.

THE498, THE499  Independent Study
An opportunity for the student who wishes to undertake a well-defined directing or research project. While the student conducts work under the guidance of a faculty member, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process. Directing students will qualify by successfully stage-managing a show.
1-3 credit hours.

WOMEN’S AND GENDER STUDIES

WGS200  Introduction to Women’s and Gender Studies
WGS 200 is an interdisciplinary introduction to the major theories, themes, methodologies, and issues of women’s and gender studies.
3 credit hours. Satisfies ADR II.

WGS210  Women’s Health
In WGS210, students explore the nature of optimum physical and emotional health, as well as strategies for achieving and maintaining it. They explore common illnesses and health problems in terms of symptoms and management, and address environmental and societal factors that influence women’s health. The values and assumptions underlying the western medical paradigm are compared and contrasted with those upon which selected non-Western medical systems are based.
3 credit hours.

WGS225/SOC225  The Family
This course examines the economic, social, and political movements that have affected family life, family adjustments, and organization. Prerequisite: SOC100.
3 credit hours. Satisfies ADR II.

WGS238/PHL238  Race, Gender, and Sexuality
This course serves as an interdisciplinary introduction to theories of race, gender, and sexual identity, their themes, methodologies, and issues. Possible topics include gender and sex roles; racsim, sexism, and hetero-sexism; concepts of beauty; racial and sexual stereotypes; social issues such as affirmative action, violence, racial and sexual harassment, and pornography.
3 credit hours. Satisfies ADR I.

WGS303/CJA303  Gender and Crime
This course examines the variation of punishment and patterns in female criminality vs. male criminality across age, class, and race. This course will also review the strengths and weaknesses of theories of crime as applied to women and explores the occupational segregation by gender in criminal justice professions. Prerequisite: CJA101.
3 credit hours.

WGS340/H340  Women and War
This course will analyze military conflict from the perspective of gender. The experience of women will be the focus of the course, but the course will also examine how gendered concepts related to being male and female play a role in the making of war. Students will analyze the effects of war on women’s status and will examine the impact of war on gender roles and the relationship between men and women. Course content will be drawn from major world conflicts, including WWI and WWII, as well as post-World War II regional and national conflicts.
3 credit hours. Satisfies ADR II.

WGS342/H342  Women in the United States: A History
An analysis of the history of women in the United
States from the colonial period to the present, H342 explores the impact that political, social, economic, and racial aspects of American history have had on American women, and, conversely, the impact women in the United States have had on the development in these areas.

3 credit hours. Satisfies ADR II.

**WGS344/LIT344  Love and Sex in Literature**
This course is a thematic and historical study of the claims of love, sexuality, and gender as inspiration for and subject of imaginative literature. Prerequisites: WRT102.

3 credit hours. Satisfies ADR I.

**WGS360/SOC360  Gender and Society**
*Fall Semester*
This course introduces gender as a social construct and an organizing principle of culture and society. Course material focuses primarily on gender relations in American society, with cross-cultural examples introduced throughout the course as well. Students will examine gender at multiple levels of sociological analysis, as a key factor in identity formation, social interaction, and the organization of social institutions. Historical patterns of gender inequality and progress will be addressed. Students will also examine the relationship between sex and gender, as well as the intersections of gender with race/ethnicity, class, and sexuality. Prerequisite: SOC100.

3 credit hours. Satisfies ADR II.

**WGS380/PHL380  Feminist Thought**
A survey of the main branches of feminist thought, this course examines both the theory and practice of feminism as it has developed primarily in the last 30 years. Prerequisites: WRT102.

3 credit hours. Satisfies ADR I.

**WGS381/REL381  Women and Religion**
This course explores how women have factored into or been excluded from the roles, rituals, scriptures, theologies, and governing images of some of the world’s major religions. Additionally, the course explores contemporary efforts to contend with challenges to women in these traditions. Prerequisites: WRT102.

3 credit hours.

**WGS382/LIT382  Women in Literature**
This course explores the connections between gender and literary expression by examining the cultural and literary patterns linking the lives of women and their works. Readings will include women’s writing in a number of genres such as poetry, drama, short story, and essay. Students will also study and discuss the critical apparatus surrounding each form. Prerequisite: WRT102.

3 credit hours. Satisfies ADR I.

**WGS450, WGS451  Women’s and Gender Studies Internship**
The purpose of an internship is to provide students with practical training and supervised work experience in appropriate firms or organizations. Internships are designed to give students an opportunity to make use of the practical aspects of their classroom knowledge, to complement and extend their classroom experiences, and to develop their understanding and confidence through a work-related experience. Responsibilities will vary according to placement as determined by the work supervisors of the sponsoring agency and faculty coordinator. Students are required to spend a minimum of 120 hours work on site. Students must have earned 60 or more credits and a minimum 2.5 cumulative GPA at the time of application and completed an internship application.

3 credit hours.

**WGS498, WGS499  Independent Study**
Independent study is an opportunity for the student who wishes to undertake a well-defined research project. While the student conducts work under the guidance of a faculty member of his or her own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process.

3 credit hours.
WRT100  Introduction to College Reading and Writing
Fall-Spring Semesters
This course provides students with techniques for college reading and writing, offering strategies for reading texts from a variety of disciplines, a better understanding of college-level research techniques, and strategies for negotiating complex texts. It also gives students guided practice in effective writing processes and conventions of standard edited American English. Students who have successfully completed WRT102 and/or WRT202 may not enroll in WRT100.

3 credit hours.

WRT102  Analytical Reading and Writing
Fall-Spring Semesters
This course provides students with guided practice in the types of analytical reading necessary for mature academic writing and for success in upper-division courses in all disciplines. Students will learn strategies for summarizing and analyzing complex reading materials, and for incorporating reading material into their own writing. They will also analyze similarities and differences in various academic styles, develop processes for producing thoughtfully revised prose, and practice standard conventions of academic writing.

3 credit hours.

WRT202  Academic Writing
Fall-Spring Semesters
Building upon the skills learned in WRT102, this course provides students with guided practice in writing academic papers and in using their research toward public modes of writing. Students will learn techniques crucial to the writing required in upper-division courses and future careers: focusing a topic and line of inquiry; developing and following a research plan; incorporating researched materials into a scholarly argument; developing a consistent and appropriate style; and revising carefully to produce polished documents. Prerequisite: WRT102 with a grade of 2.0 or higher.

3 credit hours.

WRT210  Writing in Professional Cultures
This course offers students further expertise beyond that offered in WRT102 and WRT202 in applying rhetorical techniques and problem-solving skills to the types of writing done in professional sites. Students will create professional documents (letters, memos, reports, cover letter/resume, electronic communication) appropriate to each case or scenario. They will also learn about effective document design and presentation used in business and industry and about copyright and other ethical issues associated with professional writing. Prerequisite: WRT102.

3 credit hours.

WRT225  Interdisciplinary Writing
Fall Semester
This course provides guided experience in reading and writing across a range of academic disciplines, including the natural sciences, the social sciences, the humanities, and business-related fields. Students will analyze the modes of reasoning, rhetorical techniques, and forms of writing that are currently accepted in each of these fields with the goal of becoming more versatile writers. This course is required for Professional Writing majors and minors, but is open to students from all fields who wish to improve their writing skills. Prerequisite: WRT102.

3 credit hours.

WRT275  Playwriting
This course gives students guided practice in the principles and stylistic conventions of playwriting. Students read a number of monologues and short plays, explore different theories of playwriting, and write a monologue, a short scene, and a one-act play. Students will have the opportunity to submit their plays for possible production in the College one-act play performances. Prerequisite: WRT102.

3 credit hours.

WRT290  Teaching and Tutoring Writing I
This course provides students with guided experience in methods for teaching writing in both classroom settings and in tutoring sessions. Students will learn about current methodologies for the teaching and tutoring of writing and will work with experi-
enced teachers and tutors toward practical application of those methods. Students will read and discuss current articles on writing pedagogy, observe composition classrooms, and shadow tutoring sessions with experienced teachers of writing. Students who successfully complete WRT290 are eligible to become writing tutors in the Learning Resource Center. Prerequisite: WRT102.

3 credit hours.

WRT305 Rhetorical Theory
Crucial to the study of professional writing is rhetoric, the art of composing effective discourse. Students will be introduced to significant issues and figures in the academic discipline of rhetoric. Students will be asked to develop a working definition of rhetoric and to study significant texts from the history of rhetoric, including those written by the Sophists, Plato, Aristotle, Cicero, Quintilian, St. Augustine, and Virginia Woolf. Questions concerning whether or not language shapes/defines reality and creates knowledge will be considered. Students will also be introduced to non-Western rhetorics. Prerequisite: WRT102.

3 credit hours.

WRT310 Creative Writing
This course is a writing seminar for students interested in developing their imaginative writing powers. Students will read the work of published authors, write in a number of genres, and critique their own and others’ writing using a workshop method. Prerequisite: WRT102.

3 credit hours.

WRT312 Writing Humor
This course is an advanced writing workshop designed to improve students’ ability to write and publish quality humor. Students will be introduced to the work of “classic” humorists such as Mark Twain, S.J. Perelman, Stephen Leacock, and James Thurber. In addition, contemporary humorists such as Dave Barry, Gustavo Arellano, Bill Cosby, Garrison Keillor, Mary Roach, Sarah Vowell, and David Sedaris will be examined. The course emphasizes the factors, topics, and styles that lead to successful publication in this challenging, yet lucrative, field. Students will assemble a portfolio of humor pieces (suitable for publication) to be critiqued in class as well as by the instructor. Prerequisites WRT102 and WRT202.

3 credit hours.

WRT315 Advanced Composition
Fall Semester
This course provides instruction and practice aimed at helping students to further develop their prose writing techniques, to examine their writing processes, and to further their knowledge of English grammar. This course focuses especially upon the development of advanced stylistic and syntactical techniques at the sentence level, including guided practice in a range of rhetorical figures and tropes. Prerequisite: WRT202.

3 credit hours.

WRT320 Writing for the Web
This course introduces students to techniques of webpage design within the context of professional writing. Students will study online publications such as electronic newsletters, magazines, and online help files, and learn to write in ways suitable for electronic publication. The course emphasizes principles for analyzing, designing, and producing publications using such current authoring tools as the hypertext mark-up language (HTML), XML, and CSS. Prerequisites: WRT102, WRT210, WRT225, or permission of instructor.

3 credit hours.

WRT360-WRT369, WRT460-WRT469 Special Topics in Professional Writing
Special topics courses in professional writing provide students with a range of opportunities for the intensive study of writing in various occupational or disciplinary fields, as well as in varied approaches to the writing process. Students will learn the preferred styles and conventions used within specific organizations and career fields, both through the study of representative writing samples and through hands-on writing experience. Likely course topics include medical writing, writing for social service organizations, writing for government agencies and NGOs, writing for non-profit organizations, writing for the arts, etc. The focus of each special topics course will be published in advance of course registration, and course level will vary according to the topics covered (either 300 or 400 level). Prerequisites for WRT360-369: WRT102. Prerequisites for WRT460-69: WRT102, WRT210, WRT315, or permission of instructor.

3 credit hours.
WRT370  Special Topics in Creative Writing
This course is a writing seminar for advanced students who wish to concentrate on specific genres and forms. The topic of this course may be suggested by faculty members or by students. In a given semester, this course might emphasize prose fiction; another semester could emphasize scriptwriting or non-fiction prose. This course may be repeated for different topics. Prerequisite: WRT102.

3 credit hours.

WRT371  Advanced Creative Writing
This course is an advanced writing workshop. Students write poetry, fiction, or both and routinely present copies of work for class discussion and critique. Students revise work towards the development of a portfolio of imaginative writing. Students also present a poet or fiction writer to the class by providing biographical information as well as at least one representative poem or story. Prerequisites: WRT102.

3 credit hours.

WRT373  Advanced Non-fiction Prose
This course gives students guided practice in the increasingly popular genres of non-fiction writing, including essays, creative non-fiction, and journalistic feature stories. Readings will include a variety of print and Internet sources that reflect the current state of non-fiction prose. Students will be asked to assemble a portfolio of essays, accompanied by brief abstracts and self-critical responses. Prerequisite: WRT102.

3 credit hours.

WRT374  Writing Children’s Literature
This course gives students guided practice in producing and publishing fiction and poetry for children. Students will learn crucial principles of writing and design for authors of children’s literature, and produce and refine a portfolio of prose and poetry that is suitable for publication. This course employs the workshop method, with students presenting copies of their work for classroom discussion and constructive critique. Students will also study the work of other successful children’s authors. Prerequisite: WRT102.

3 credit hours.

WRT 377  Screenwriting
This course is designed to teach students the craft of screenwriting by helping them master, among other things, the format and stylistic conventions followed when writing film scripts, the skill of telling a story with images and sounds, and the ability to render dialogue, characters, and dramatic situations both convincingly and compellingly. Students will learn to become proficient in these areas and others by compiling, over the course of the semester, a screenwriting portfolio comprising one or more short film scripts, as well as the first act of a feature film script. Prerequisite: WRT102.

3 credit hours.

WRT380  Freelance Writing for the Marketplace
This class is a practical forum about the submission of manuscripts to magazines and book publishers. This course assumes that students already have produced a body of written work—creative and/or non-fiction—both privately and in prior classes. Students will be required to keep a journal of their experiences studying the marketplace and submitting their writing and a portfolio of work they have revised toward publication. Authors who work in a variety of genres may be invited to speak to (or teach) the class. Prerequisite: WRT102.

3 credit hours.

WRT410  Professional Editing
This course introduces students to the fields of copyediting and comprehensive editing within the context of professional writing. The course will teach students how to become effective editors, giving them the ability to develop objectives for editing, to work with and substantially improve texts and visuals in both print and electronic contexts, and to establish and maintain relationships with authors and others involved in the production of documents. Prerequisites: WRT102, WRT210, or permission of instructor.

3 credit hours.

WRT450, WRT451  Experiential Learning in Writing
This course provides on-the-job experiences in the application of professional writing skills and knowledge. The student spends a minimum of 120 hours per semester in the performance of meaningful tasks required to produce effective professional documents. In addition, regular class and small-group meetings provide for integration of the student’s academic and
agency work. The seminar provides an opportunity to explore job possibilities as well as making academic work more meaningful through application of theoretical principles of writing. Prerequisites: An application is required six months prior to intended on-site experience (including a statement of objectives and goals); students must be accepted by an approved site; approval of instructor; GPA of 2.75 or higher and 60 credit hours completed before beginning on-site experience. Students may complete up to six credits of experiential learning. Prerequisites: WRT102, WRT225, WRT315.

3 credit hours each.

WRT 452 Teaching and Tutoring Writing II
This course offers students guided practice in the teaching and tutoring of writing as well as in the current research surrounding writing pedagogy. It will provide students with hands-on experience in the teaching and tutoring of writing through the Peer Writing Fellows program of the Learning Resource Center (LRC), will survey current research and research methodologies in writing studies, and will guide students toward the development of an independent research project based in their experiential learning in the LRC. Prerequisites: WRT102, WRT202, WRT290, status as peer fellow in the LRC or permission of instructor.

3 credit hours.

WRT480 Senior Seminar in Professional Writing
The Senior Seminar in writing provides a capstone academic experience for writing majors and helps to prepare them for the job market. The course will have three facets, mirroring the three main aspects of the Professional Writing curriculum: (1) reading and responding to essays on rhetoric and composition theory; (2) exploring careers in professional writing by reading case studies of professional writers and hearing from guest speakers, by performing mock interviews, and by investigating professional writers’ organizations and graduate programs in writing; (3) revising writing from other courses (and from their experiential learning seminar) toward the formation of a professional writer’s portfolio and current resume. Prerequisites: WRT102, WRT210, WRT315, and senior standing.

3 credit hours.

WRT498, WRT499 Independent Study
This course creates a learning opportunity for the student who wishes to undertake a well-defined research project. While the student conducts work under the guidance of a faculty member of his or her own choosing, the project is carried out in an independent manner without regular class meetings. Effective independent study is characterized by a reduction in formal instruction and an increase in the individual student’s responsibility and initiative in the learning process.

1-3 credit hours.
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<th>Title</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
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<td>Sean Andre (2008)</td>
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<td>Julie S. Amberg (1997)</td>
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<td>John E. Benhart (2005)</td>
<td>Lecturer in Geography</td>
<td>B.S., Indiana University of Pennsylvania</td>
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<td>Kelly Block (2007)</td>
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<td>Denise L. Ekstrom</td>
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<td>Terri Ann Erb</td>
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<td>B.S.H.E., University of North Carolina, Greensboro M.A., Ed.S., Appalachian State University</td>
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<td>Tara Flannery</td>
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<td>Karen M. Frock</td>
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Lecturer in Writing
B.A., Virginia Polytechnic Institute and State University
M.A., Temple University

Molly Walbrown (2006)
Lecturer in Nursing
Pharm.D., West Virginia University

Rodney S. Waltermyer (1983)
Lecturer in Biology
B.S., Shippensburg State College

David Walters (2001)
Lecturer in English
B.S., The Pennsylvania State University
M.F.A., Goddard College

Aaron Ward (2008)
Lecturer in Physical Education
B.S., Messiah College
M.S., Shippensburg University of Pennsylvania

Sue Ward (2008)
Lecturer in Mathematics
B.S., Towson University
M.Ed., Loyola College

Rhonda Waterhouse (2003)
Lecturer in Writing
B.S., M.Ed., The Pennsylvania State University

Earl Weaver (2006)
Lecturer in Mathematics
B.A., University of Delaware
M.S.E., University of Michigan

Jon D. Weaver (2005)
Lecturer in Education
B.S., University of Pittsburgh
M.S., Western Maryland College

Thomas Weaver (1999)
Lecturer in Political Science
B.A., York College of Pennsylvania
M.P.A., Shippensburg University

Heather Weddle (2008)
Lecturer in Nursing
B.S., York College of Pennsylvania
M.S.N., Widener University

Kimberly V. Weeks (2008)
Lecturer in Education
B.A., Shippensburg University of Pennsylvania
M.S., The Johns Hopkins University
Ed.S., Radford University

Susan S. Weeks-Leinberger (1998)
Lecturer in Education
B.A., M.Ed., The Pennsylvania State University
Ed.D., Temple University

Lecturer in History
B.A., The Pennsylvania State University
Ph.D., University of Dublin Trinity College

Pamela J. Wenger (2003)
Lecturer in Education
B.A., Messiah College
M.A., Shippensburg State College
Mark E. Werner (1995)
Lecturer in History
B.A., York College of Pennsylvania
M.A., Shippensburg University

Eileen Westley-Hetrick (2007)
Lecturer in Nursing
R.N.D., Easton Hospital School of Nursing
B.S.N., Kutztown State College
M.S.N., Thomas Jefferson University

Lecturer in Geography
B.A., Millersville University
M.A., University of Kansas

Matthew E. Williams (1994)
Lecturer in Chemistry
B.S., The Pennsylvania State University
M.S., Shippensburg University

C. Wesley Willson, Jr. (1999)
Lecturer in Mathematics
B.S., Millersville University

Melissa Witmer (2006)
Lecturer in Chemistry
B.S., Virginia Tech
M.S., University of Illinois

John P. Wolf, Jr. (1983)
Lecturer in Biology
B.S., Millersville State College

Michele A. Wood (2000)
Lecturer in Nursing
B.S., Hood College
M.S., The Johns Hopkins University

Jefrey R. Woodall (2002)
Lecturer in Management and Marketing
B.S., New Hampshire College
M.B.A., York College of Pennsylvania

Randal A. Woodfield (2006)
Lecturer in Music and Voice
B.M.E., M.M.E., Ouachita Baptist University
D.M.A., Peabody Conservatory of Music

Charlene Wyrick (2002)
Lecturer in Physics
B.S., Wilkes University

Sandra F. Yingling (2003)
Lecturer in Nursing
B.S., York College of Pennsylvania
M.S.N., F.N.P., Millersville University

Stephen D. Yohe (1973)
Lecturer in Communication
B.S., Millersville State College
M.S., Temple University

John W. Young (2009)
Lecturer in Management
B.S., M.B.A., York College of Pennsylvania

Mary B. Young (2006)
Lecturer in Education
B.A., State University of New York-College at Geneseo
M.S., State University of New York-University Center at Albany

Edward J. Zaryky (2006)
Lecturer in Music and Percussion
B.M., Rowan University
M.M., The Peabody Institute at The Johns Hopkins University

Robert D. Zeigler (2007)
Lecturer in Physical Education
B.S., York College of Pennsylvania

Barbara Zmolek (2006)
Lecturer in Mathematics
B.S., Shippensburg State University
M.A., Ball State University

Lecturer in Nursing
B.S.N., Case Western Reserve University
M.Ed., Azusa Pacific University

Jay W. Zortman (2009)
Lecturer in Management, B.S., M.B.A., York College of Pennsylvania

York Hospital Faculty

Ronald Benenson (2002)
Associate Research Director of the Department of Emergency Medicine
Lecturer in Biology
B.A., Johns Hopkins University
M.D., University of Maryland

Richard H. Daly, Jr. (1995)
Family Practice Physician
Lecturer in Biology
B.S., University of Washington
M.D., University of Mississippi

David Emrhein (2006)
Manager of Medical Education/WellSpan Health
Lecturer in Biology
B.A., University of Akron
M.A., Morehead State University
M.A., University of Maryland

Surgeon with Apple Hill Surgical Associates
Lecturer in Biology
B.A., Middlebury College
M.D., Jefferson Medical College
David Vega (2006)
Assistant Residency Director
Lecturer in Biology
B.S., The Pennsylvania State University
M.D., The Pennsylvania State University College of Medicine

Respiratory Care: Clinical Adjunct Faculty

Tracy Benenson, AS, RRT
Ann Daugherty, BS, RRT
Kelly DiGennaro, BS, RRT
Marina Dolina, MD
Gloria Easter, AS, RRT
Jim Feo, BS, RRT
Steve Ferree, RRT
Marius Figueredo, MD
Ruth Frick, AS, RRT
Brian Getner, BS, RRT
Judy Givens, RRT
Michael Green, MD
Deb Greenwalt, RRT
Ray Groff, RRT
Lisa Harkins, RRT
Lee-Gardin Jean, MD
Thomas Kemp, AS, RRT
Lee Maddox, MD
Lance Miller, BS, RRT
Alan Mohlman, AS, RRT, RPFT
Richard Murry, MD
Elaine Reed, AS, RRT
Mary Ann Reiker, BS, RRT
George Robinson, MD
Tony Ruppert, BS, RRT
Jamie Saez, BS, RRT
Erma Shaffer, AS, RRT
Lorraine Snyder, BS, RRT
Dave Stoup, AS, RRT
Luminita Tudor, MD
Ann Wilson, AS, RRT
Donlyn Wirts, AS, RRT
Todd Yost, BS, RRT
Susan Zimmerman, RRT
Dmitriy Zubkus, MD

Clinical Laboratory Science: Clinical Adjunct Faculty

Lancaster General College of Nursing and Health Sciences-Lancaster, PA

Clinical Laboratory Science Program

John Yelcick, Director
Department of Pathology, Lancaster General Hospital
B.A., University of Pennsylvania

Wendy S. Gayle
CLS Program Director
B.A., Temple University
M.T. (ASCP), U.S. Air Force Biomedical Laboratory Officer Internship Program

Morristown Memorial Hospital, Overlook Hospital-Atlantic Health, New Jersey

Clinical Laboratory Science Program

Craig Dise
Medical Director
B.S., Muhlenberg College
M.D., Ph.D., University of Pennsylvania

Jory G. Magidson
Medical Director
B.S., University of Rochester
M.D., Columbia University

Nancy J. Thomas
Program Director
B.S., M.T., Kean University Certification, University of Medicine and Dentistry of NJ
M.T., (ASCP)
M.A.S., Fairleigh Dickinson University

St. Christopher’s Hospital for Children

Clinical Laboratory Science Program

Judy Mae Pascascio, Medical Director
B.S., M.D., University of the Philippines

Leah Beck
Program Director
M.P.H., M.T. (ASCP), C.L.S. (NCA), Thomas Jefferson University University of Delaware

WCA Hospital-Jamestown, NY

School of Medical Technology

William A. Geary
Medical Director
B.S., Iowa State University
M.D., University of Virginia School of Medicine
American Board of Pathology, Cytology, Anatomical and Clinical Pathology

Michele G. Harms
Program Director
B.S., SUNY College at Fredonia
M.T., Rochester General Hospital School of Medical Technology
M.T., (ASCP)

Janet L. McMillin-Jaszcz
Clinical Coordinator
B.S., Millikin University
M.T., St. Mary’s Hospital School of Medical Technology
M.T., (ASCP)
York Hospital-York, PA
Clinical Laboratory Science Program

J. David Owens
B.S., University of Maryland
M.D., University of Maryland School of Medicine
Diplomate, American Board of Pathology, Anatomical and Clinical Pathology

Carolyn S. Darr
Program Director
M.T., York Hospital School of Medical Technology
M.T., (ASCP)

Nuclear Medicine Technology: Clinical Adjunct Faculty

Penni Longenecker, B.S., M.Ed., CNMT Program Director
Lancaster General College of Nursing and Health Sciences

Theresa Barldoll, CNMT
Nuclear Medicine Department
Washington County Hospital

Robert Basarab, MD
Medical Director, Nuclear Medicine
Lancaster General Hospital

Robert Corcoran, MD
Medical Director
Peninsula Regional Medical Center, MD

Milton Williams, BA, RT (N)
Clinical Supervisor
Peninsula Regional Medical Center, MD

Richard Dipietro, MD
Medical Director, Nuclear Medicine Department
Memorial Hospital of York

Douglas Eggli, MD
Medical Director, Division of Nuclear Medicine
Hershey Medical Center

Christine Gouldy, MD
Medical Director
Harrisburg Hospital

Robert Grobinski, RPh, BCNP
Syncor Pharmacy Services
Pharmacy Manager

Cherie James, CNMT
Clinical Supervisor
The Reading Hospital and Medical Center

Anthony Montagnese, MS
Lancaster General Hospital
Medical Physicist, Radiation Safety Officer

Angella Myers, CNMT
Clinical Supervisor, Division of Nuclear Medicine
Hershey Medical Center

Jen Nguyen, CNMT
Clinical Supervisor Nuclear Medicine Department
York Hospital

David Rheem, CNT
Clinical Supervisor
Harrisburg Hospital

K. George Sachariah, MD
Medical Director, Nuclear Medicine Department
Washington County Hospital

Cindy Shi, MD Medical Director, Nuclear Medicine Department
York Hospital

Mary Grace Simcox, Ed.D.
President

Lancaster General College of Nursing and Health Sciences

Robin Wible, CNMT
Manager, Nuclear Medicine Department
Memorial Hospital of York

Connie Miles, BS, CNMT
Clinical Supervisor, Nuclear Medicine Department
Lancaster General Hospital

Marilyn Dengler, CNMT
Clinical Supervisor
Good Samaritan Hospital

Philip Stieg, MD
Medical Director
Good Samaritan Hospital

Omar Terrazas, BS, CNMT
Clinical Supervisor
Carlisle Regional Medical Center

Earnest Camponova, MD
Medical Director
Carlisle Regional Medical Center

Dwayne Eberly, BS, CNMT
Clinical Supervisor
Lewistown Hospital

Robert Levin, MD
Medical Director
Lewistown Hospital

Brad Martin, RPh
Tyco Medical Pharmacy Manager

Randall Winn, MD
Medical Director
Reading Hospital
Department of Nursing:  
Clinical Adjunct Faculty

Casey Aiello, RN, BSN  
Erin Anderson, RN, BSN  
Douglas Arbutitt, MD  
Nicole Bacon, RN, BSN  
Brenda Barshinger, RN, BHA, MSED  
Wanda Baublitz, BSN, RN  
Frances Bietsch, RN, BSN  
Diana Boyer, RN  
Lisa Bradley, RN, BS  
Tara Bridenbaugh, RN  
Charles Brown, RN  
Erin Bucher, RN, BSN  
Dora Calhoun, RN, BSN  
Tracie Camel-Yohe, RN, BS  
Wendy Carl, RN, BS  
Rebecca Carmel, MS, CRNA  
Brenda Carrasco, RN, BSN  
Karen Carroll, RN, CEN  
Mary Chapman, RN  
Tessa Covert, RN, BSN  
Peggy Day, RN  
Julie Deel, MSN, RN  
Deidre Dellinger, RN  
Hope Delp, RN, BS  
Tina Dietman, RN, BS  
Scott Dillon, MS, CRNA  
Christy Durham-Snyder, RN, BS  
Karen Dykstra, RN, BS  
Peter Eisert, RN, BSN, SAFE  
Andrew Eldeen, RN, BSN  
Kelli Eldredge, RN, BS  
Tracie Evans, RNC, RN  
Georgio Evearitt, RN, BS  
Stacey Farbman, RN, BS  
Trish Feerer, RN  
Mary Fisher, RN  
Elizabeth Fisher, RN, BS  
Christa Fitzgerald, BSN, RN  
Tara Flannery, RN, BSN  
Kelly Gebhart, RN, BS  
Lyda Gentzler, RN, BSN  
Kelly Gesell, BSN, RN  
Pamela Gordon, RN  
Cindy Grove, RN, BS  
Susan Gunnet, RN, BS  
Faye Hammers, RN, IBCLC  
Christina Hanson, RN  
George Haritos, MS, CRNA  
Kelly Hartlaub, RN, BSN  
Dwayne Haupt, RN  
Wendy Hawse, RN, CCRN  
Lynn Heath, RN, BSN, CCRN  
Michael Heck, MS, CRNA  
Taryn Heiland, RN, BSN  
Shelley Heinbaugh, RN, BSN  
Lori Heinold, RN, BSN  
Betsy Ann Hoffer, RN  
Kimberly Hoffetter, RN, BS  
Tina Holmgren, BS, RN  
Dawn Houck, RN, BSN  
Dwayne Houpt, RN, BS  
Renee Howard, RN  
Mary Alayne Hufnagel, RN  
Brandi Ibara, RN, BSN  
Susan Johnson, RN  
Brittany Jordan, RN, BS  
Andrea Junggust, RN  
Debra Kalpowsky, RN, BSN  
Kelli Kashner, RN, BSN  
Jennifer Katingig, RN, BSN  
Susan Kelag, RN, BS  
Shandell Kennedy, RN, BS  
Trish Kinard, RN  
Kari Kinard, RN, BS  
Dana King, BSN, RN  
Emily Klugh, RN, BSN  
Kimbly Knouse, RN  
Kelly Kohser, RN, BSN  
Rebecca Krebs, RN, BS  
Sharon Kuehl, RN, BSN  
Laura Kurish, RN, BS  
Jessica Leatherly, RN, BSN  
Judy Linsey, RN  
Thomas Lyons, RN  
Donna Maenner, RN  
Terr Markley, RN, BS  
Greg Maroney, RN  
Megan Massam, RN, BSN  
Dustin Matthews, RN, BS  
Wendy McBride, RN  
Cynthia McCarthy, RN, BSN  
Kristi McGonegal, RN  
William McGuinn, MD  
Debi McNamara, RN, BSN, RNC  
Jill Messersmith, RN, BSN  
Mary Miller, RN  
Amy Mong, RN  
Amber Newsanger, RN, BS  
Casie Nieman, BSN, RN  
Kelly Poole, RN, RN  
Brian Prentice, RN  
Susan Prevas, RN, BSN  
Elizabeth Reese, RN, CEN  
David Reihat, RN, BSN  
Constance Ren, RN  
Elizabeth Ricke, RN  
Matthew Riddle, RN  
Nancy Rieker, RN, BSN  
Jill Royer, BSN, RN  
Victoria Russell, RN  
Beth Schartz, RN, BSN  
Brian Scott, RN, BSN  
Jennifer Sealover, RN, BS  
Celia Shermeyer, RN, BSN  
Allison Shoemaker, RN  
Deanna Sibley, BSN, RN  
Heather Sibley, RN, BSN  
Rebecca Sinclair, MS, RN  
Andrew Slegel, RN  
Henry Smeltzer, RN, BSN, CCRN  
Sandra Snead, RN, BS  
Claude Stably, RN, BSN  
Jonathan Stein, MD  
Jamie Steinkamp, RN, BSN  
Robin Stikes, RN  
Melissa Story, RN, BS  
Abigail Strouse, RN, BS  
Kasie Taylor, BSN  
Jody Taylor, RN  
MaryJane Thiessen, RN  
Louella Thoman, RN  
Gloria Thompson, BSN, RN  
Angela Thornton, BSN, RN  
Theresa Tomlinson, BSN, RN  
Marina Trago, RN, BSN  
Sharon Truitt, RN, BSN  
Nathaniel Tucker, RN  
Peggy Vernon, RN, BS, CEN  
Lisa Vogel-Smolin, RN, MS  
Michelle Wagman, RN  
Yvonne Wanbaugh, RN, BS  
Stacey Warfel, RN, BSN
Rosters

Heather Weber, RN, BSN
Fran Welsh, MSNA, CRNA
Heather Wilson, RN, BS
Cassandra Wyrich, RN, BSN, CEN
Alice Zepp, RN, BS
Fall Semester 2009 – 2010

August 28  Friday  Fall Orientation for New Students begins
August 31  Monday  Evening Classes begin including 1st cohort classes
September 1  Tuesday  Day Classes begin including 1st cohort classes
September 7  Monday  Labor Day – No Classes
September 9  Wednesday  Last day to drop or add classes for the semester including 1st cohort classes and special studies
September 15  Tuesday  Last day to elect Pass/Fail option in stated courses including 1st cohort classes
September 21-23  Mon-Wed  Warning Grades issued to students for 1st cohort classes
September 25  Friday  Last day to withdraw from 1st cohort classes
October 2-4  Fri-Sun  Fall Fest (Family and Homecoming Weekend)
October 10-16  Sat-Fri  Warning Grades issued to students for full semester classes
October 16  Friday  Fall Break begins 5:00 p.m.
October 21  Wednesday  Classes Resume  8:00 a.m.
October 22-26  Thurs-Mon  Final Examinations for 1st cohort classes
October 26  Monday  Last day of 1st cohort classes
October 27  Tuesday  First day of 2nd cohort classes
October 29  Thursday  Last day to drop or add classes and to elect Pass/Fail for 2nd cohort classes
October 30  Friday  Last day to withdraw from full semester classes or from the College for the semester
November 11-13  Wed-Fri  Warning Grades issued to students for 2nd cohort classes
November 17  Tuesday  Last day to withdraw from 2nd cohort classes
November 24  Tuesday  Thanksgiving Vacation begins 10:00 p.m.
November 30  Monday  Classes Resume 8:00 a.m.
December 15  Tuesday  Last day of full semester and 2nd cohort day classes for the semester Final Examinations for TUESDAY EVENING classes including 2nd cohort classes
December 16-21  Wed-Mon  Final Examinations for full semester and 2nd cohort classes
December 22  Tuesday  Winter Commencement 10:30 a.m.

Incomplete course grade change deadline: for the fall semester - February 22, 2010

Spring Semester 2009 – 2010

January 19  Tuesday  New Student Orientation
January 20  Wednesday  Day and Evening Classes begin including 1st cohort classes
January 27  Wednesday  Late Registration Fee applies
February 2  Tuesday  Last day to elect Pass/Fail option in stated courses including 1st cohort classes
February 5  Friday  Last day to apply for Spring Graduation
February 8-10  Mon-Wed  Warning grades issued to students for 1st cohort classes
February 12  Friday  Last day to withdraw from 1st cohort classes
February 27  Saturday  Winter Vacation begins 12:00 Noon
March 8  Monday  Classes Resume 8:00 a.m.
March 8-13  Mon-Sat  Warning Grades issued to students for full semester classes
March 12-16  Fri-Tues  Final Examinations for 1st cohort classes
March 16  Tuesday  Last day of 1st cohort classes
March 17  Wednesday  First day of 2nd cohort classes
March 19  Friday  Last day to drop or add classes and to elect Pass/Fail for 2nd cohort classes
March 26  Friday  Last day to withdraw from full semester classes or from the college for the semester
March 31  Wednesday  Spring Vacation begins 10:00 p.m.
April 6  Tuesday  Classes Resume 8:00 a.m.
April 7-9  Wed-Fri  Warning grades issued to students for 2nd cohort classes
April 14  Wednesday  Last day to withdraw from 2nd cohort classes
May 6  Thursday  Last day of full semester and 2nd cohort classes for the semester
May 7  Friday  Reading Day – No Classes
May 8-13  Sat-Thurs  Final Examinations for full semester and 2nd cohort classes
May 15  Saturday  Spring Commencement 10:30 a.m.

Incomplete course grade change deadline: for the spring semester - July 15, 2010.

Undergraduate Summer Programs 2010

The undergraduate summer program consists of several separate sessions offered throughout the summer. The specific dates will be printed in the Summer 2010 brochure or may be obtained from the Registrar’s Office.

Graduate Summer Programs 2010

The graduate programs offer courses during the summer. The specific dates will be printed in the Summer 2010 brochure or may be obtained from the Registrar’s Office.
## Fall Semester 2010 – 2011

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 27</td>
<td>Friday</td>
<td>Fall Orientation for New Students begins</td>
</tr>
<tr>
<td>August 30</td>
<td>Monday</td>
<td>Evening Classes begin including 1st cohort classes</td>
</tr>
<tr>
<td>August 31</td>
<td>Tuesday</td>
<td>Day Classes begin including 1st cohort classes</td>
</tr>
<tr>
<td>September 6</td>
<td>Monday</td>
<td>Labor Day –No Classes</td>
</tr>
<tr>
<td>September 8</td>
<td>Wednesday</td>
<td>Last day to drop or add classes for the semester including 1st cohort classes and special studies</td>
</tr>
<tr>
<td>September 14</td>
<td>Tuesday</td>
<td>Last day to elect Pass/Fail option in stated courses including 1st cohort classes</td>
</tr>
<tr>
<td>September 15</td>
<td>Wednesday</td>
<td>Last day to apply for Winter Graduation</td>
</tr>
<tr>
<td>September 20-22</td>
<td>Mon-Wed</td>
<td>Warning grades issued to students for 1st cohort classes</td>
</tr>
<tr>
<td>September 24</td>
<td>Friday</td>
<td>Last day to withdraw from 1st cohort classes</td>
</tr>
<tr>
<td>October 1-3</td>
<td>Fri-Sun</td>
<td>Fall Fest (Family and Homecoming Weekend)</td>
</tr>
<tr>
<td>October 9-15</td>
<td>Sat-Fri</td>
<td>Warning Grades issued to students for full semester classes</td>
</tr>
<tr>
<td>October 15</td>
<td>Friday</td>
<td>Fall Break begins 5:00 p.m.</td>
</tr>
<tr>
<td>October 20</td>
<td>Wednesday</td>
<td>Classes Resume 8:00 a.m.</td>
</tr>
<tr>
<td>October 21-25</td>
<td>Thurs-Mon</td>
<td>Final Examinations for 1st cohort classes</td>
</tr>
<tr>
<td>October 25</td>
<td>Monday</td>
<td>Last day of 1st cohort classes</td>
</tr>
<tr>
<td>October 26</td>
<td>Tuesday</td>
<td>First day of 2nd cohort classes</td>
</tr>
<tr>
<td>October 28</td>
<td>Thursday</td>
<td>Last day to drop or add classes and to elect Pass/Fail for 2nd cohort classes</td>
</tr>
<tr>
<td>October 29</td>
<td>Friday</td>
<td>Last day to withdraw from full semester classes or from the college for the semester</td>
</tr>
<tr>
<td>November 10-12</td>
<td>Wed-Fri</td>
<td>Warning grades issued to students for 2nd cohort classes</td>
</tr>
<tr>
<td>November 16</td>
<td>Tuesday</td>
<td>Last day to withdraw from 2nd cohort classes</td>
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<tr>
<td>November 23</td>
<td>Tuesday</td>
<td>Thanksgiving Vacation begins 10:00 p.m.</td>
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<td>November 29</td>
<td>Monday</td>
<td>Classes Resume 8:00 a.m.</td>
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<tr>
<td>December 14</td>
<td>Tuesday</td>
<td>Last day of full semester and 2nd cohort day classes for the semester</td>
</tr>
<tr>
<td>December 15</td>
<td>Wednesday</td>
<td>Reading Day – No Classes</td>
</tr>
<tr>
<td>December 16-21</td>
<td>Thurs-Tue</td>
<td>Final Examinations for WEDNESDAY EVENING classes including 2nd cohort classes</td>
</tr>
<tr>
<td>December 22</td>
<td>Wednesday</td>
<td>Winter Commencement 10:30 a.m.</td>
</tr>
</tbody>
</table>

### Incomplete course grade change deadline: for the fall semester - February 22, 2011

## Spring Semester 2010 – 2011

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
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<tbody>
<tr>
<td>January 18</td>
<td>Tuesday</td>
<td>New Student Orientation</td>
</tr>
<tr>
<td>January 19</td>
<td>Wednesday</td>
<td>Day and Evening Classes begin including 1st cohort classes</td>
</tr>
<tr>
<td>January 26</td>
<td>Wednesday</td>
<td>Last day to drop or add classes for the semester including 1st cohort classes and special studies</td>
</tr>
<tr>
<td>February 1</td>
<td>Tuesday</td>
<td>Last day to elect Pass/Fail option in stated courses including 1st cohort classes</td>
</tr>
<tr>
<td>February 7</td>
<td>Monday</td>
<td>Last day to apply for Spring Graduation</td>
</tr>
<tr>
<td>February 7-9</td>
<td>Mon-Wed</td>
<td>Warning grades issued to students for 1st cohort classes</td>
</tr>
<tr>
<td>February 11</td>
<td>Friday</td>
<td>Last day to withdraw from 1st cohort classes</td>
</tr>
<tr>
<td>February 26</td>
<td>Saturday</td>
<td>Winter Vacation begins 12:00 Noon</td>
</tr>
<tr>
<td>March 7</td>
<td>Monday</td>
<td>Classes Resume 8:00 a.m.</td>
</tr>
<tr>
<td>March 7-12</td>
<td>Mon-Sat</td>
<td>Warning Grades issued to students for full semester classes</td>
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<tr>
<td>March 11-15</td>
<td>Fri-Tues</td>
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<tr>
<td>April 1-5</td>
<td>Fri-Tues</td>
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<tr>
<td>April 8</td>
<td>Wednesday</td>
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<td>April 20</td>
<td>Wednesday</td>
<td>Spring Vacation begins 10:00 p.m.</td>
</tr>
<tr>
<td>April 26</td>
<td>Tuesday</td>
<td>Classes Resume 8:00 a.m.</td>
</tr>
<tr>
<td>May 5</td>
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<td>Last day of full semester and 2nd cohort classes for the semester</td>
</tr>
<tr>
<td>May 6</td>
<td>Friday</td>
<td>Reading Day –No Classes</td>
</tr>
<tr>
<td>May 7-12</td>
<td>Sat-Thurs</td>
<td>Final Examinations for full semester and 2nd cohort classes</td>
</tr>
<tr>
<td>May 14</td>
<td>Saturday</td>
<td>Spring Commencement 10:30 a.m.</td>
</tr>
</tbody>
</table>

### Incomplete course grade change deadline: for the spring semester - July 14, 2011.

## Undergraduate Summer Programs 2011

The undergraduate summer program consists of several separate sessions offered throughout the summer. The specific dates will be printed in the Summer 2011 Brochure or may be obtained from the Registrar’s Office.

## Graduate Summer Programs 2011

The graduate programs offer courses during the summer. The specific dates will be printed in the Summer 2011 Brochure or may be obtained from the Registrar’s Office.
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