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ASSOCIATE, BACCALAUREATE, MASTER’S AND DOCTORAL DEGREES

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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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A MESSAGE FROM THE PRESIDENT

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.

At York, we view professionalism as a set of skills, characteristics, and values that enable the student to build a successful life and career. The ideas central to professionalism are:

- commitment to mastery of a field and to lifelong learning to stay current in that field;
- thorough preparation for meetings, assignments, and projects;
- personal responsibility shown by meeting deadlines, making feasible promises, and keeping promises made;
- integrity in truthfully presenting ideas, products or services to colleagues and clients;
- facility in working cooperatively with persons of diverse backgrounds;
- capability and confidence to make independent judgments in one’s area of expertise; and
- thoughtful and constructive engagement in civic affairs, community service, and charitable activities.

We pursue education in professionalism through the seminars and programs of our Center for Professional Excellence, but also in the content and philosophy of the academic program. As a result, York excels in preparing budding professionals that are ready to move forward in life, providing a very strong return on the time and resources invested in a college education.

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
OVERVIEW

York College of Pennsylvania is a private-sector, independent institution of higher education, which focuses on offering baccalaureate degree programs in professional fields as well as the arts and sciences. Students may also enroll in programs leading to the associate degree, master’s degree, and doctoral 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. 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. Teacher 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 non-denominational 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-plus 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 research universities. A doctoral program in nursing practice was instituted in 2011, while master’s degree programs in business, nursing and education had been added in preceding decades. 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, doctoral, and other graduate 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, fund-raising, alumni affairs, career development, 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 is 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 degrees, master’s degrees, and a doctoral degree, as well as 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 cocurricular 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 by 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 encouraged.

The College participates actively in neighborhood improvement organizations and initiatives that are focused on areas contiguous to the campus.
York College of Pennsylvania’s address is in its name—York, Pennsylvania, a county of 400,000 situated in the heart of the Middle Atlantic population corridor. The campus is located on Country Club Road, in Spring Garden Township.

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 adopted. 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.
FACILITIES

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 group study area in front of the Library. 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: This facility is home to the Division of Academic Services, which includes the Academic Advising Center, Career Development Center, and the Center for Professional Excellence. Additionally, Campbell Hall houses numerous classrooms and newly renovated Chemistry laboratories. Administrative offices for the Physical Science Department are also located in Campbell Hall.

Appell Life-Sciences Building: Home of the Biological Sciences Department, the Education Department, and the Behavioral Sciences Department, the Life-Sciences Building contains general purpose classrooms, faculty offices, and conference rooms, laboratories, and a reading clinic.

Willman Business 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.

Ecological Sciences Building: Opened in 2010, the facility houses teaching and laboratory facilities for aquatic and terrestrial biology as well as horticulture.

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 100 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.
**Kings Mill Depot:** Located at 410 Kings Mill Road, this building houses Facility Services (Maintenance, Grounds, and Custodial Services), Mail Services, the Print Shop, and the J.D. Brown Center for Entrepreneurship.

**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 the World Languages Media Center, general-purpose classrooms, computer labs, and a café.

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

**The Center for Teaching and Learning:** The Center for Teaching and Learning 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 buyback 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; Admissions Welcome Center; 1770s Room; the Spart’s Den, which regularly offers live entertainment; lounge areas; a snack bar; 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, Intercultural Student Life and Global Programming, 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.

**Residence Halls:** The College houses 2,400 students on campus in 28 buildings and complexes, including traditional dormitory rooms, suites, and efficiency apartments.
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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, Counseling Services, Food Services, Health Services, Student Conduct, Intercultural Student Life and Global Programming, 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 website.

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 RESIDENCY REQUIREMENT

York College of Pennsylvania has a four-year residency requirement. Students 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 commute from the home of a parent/guardian/relative until they have received authorization to reside off-campus.
Contracts are for the full academic year, including for those students who become part-time during the spring semester. A full copy of the residence requirements may be found online. Students who do not qualify for commuter status are required to reside on-campus, including those who are eligible to be full-time but elect to be part-time.

Any student interested in living off-campus or commuting from the home of a parent/guardian/relative for future years must apply and attain written authorization through the off-campus/commuting 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/Student Conduct. 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 detracting from students’ academic pursuits and to enhance overall achievement, by supplying outlets for physical and emotional expression.

COUNSELING SERVICES

Counseling Services advances the overall wellness of students through confidential individual and group counseling sessions, consultation, crisis intervention, and specialized referrals. All services are provided by licensed mental health professionals. 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 via phone at 717-815-6437 or in person during regular business hours. Additional information about our services can be accessed through the Counseling Services link on the College website.

**DINING 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 dining services. Numerous special dinners are planned during the year, and many campus organizations plan their program refreshments through dining 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. All 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, immunizations, flu clinic dates, fees, and physician and nurse practitioner hours.

**STUDENT CONDUCT**

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 disciplinary process and the College’s Student Code of Conduct can be found on the College website or in the Student Handbook.

**INTERCULTURAL STUDENT LIFE AND GLOBAL PROGRAMMING**

The Intercultural Student Life and Global Programming Office provides educational and social programs related to diversity and global awareness 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 Office of Intercultural Student Life and Global Programming 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 cocurricular experiences during their time at York College. The Office creates opportunities for student participation and leadership in over 90 clubs, organizations, fraternities, and sororities; volunteerism efforts, Student Senate, Campus Activities Board (CAB), ExCEL Leadership Series and service as Orientation Leaders.

CAMPUS LIFE AND INVOLVEMENT OPPORTUNITIES

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 cocurricular activities, in addition to academics. York College offers a wide variety of activities to satisfy every interest. Escape and unwind with many of the 90-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 14 national 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 management 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 two 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 an elected vice president who sits on Student Senate 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, field house, and fitness center in the Grumbacher Sport 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, men’s and women’s lacrosse, men’s volleyball, women’s softball, equestrian, dance team, coed running club and coed Ultimate Frisbee.

INTRAMURAL SPORTS

A wide variety of over 25 intramural activities allow every student to engage in some organized sport without the pressure of intercollegiate competition. Men participate in flag football, volleyball, wallyball, basketball (5-on-5 and 3-on-3), softball, indoor and outdoor soccer. Women participate in volleyball, wallyball, basketball (5-on-5 and 3-on-3), and indoor and outdoor soccer. Coed competition is also offered in all sports. Other activities, including a variety of tournaments and contests are added throughout the course of the academic year.

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 27,000 alumni by organizing programs for alumni and informing them of the progress and needs of
their alma mater. The Association sponsors reunions, Fall Fest and Spring Alumni Weekend, 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 networking receptions 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, or the York Collegiate Institute is eligible to serve on the Board, which meets five times a year.
Admissions and Finances

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. Applications can be found online at www.ycp.edu/admissions. There is no application fee for online applications. This form must be completed in its entirety and according to the stated instructions.

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. Forward a completed application to the Admissions Office according to the online instructions.
2. Submit an official transcript of secondary school grades.
3. Take the Scholastic Assessment Test of the College Entrance Examination Board (SAT) or the American College Test (ACT) (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 to participate in our Information Sessions in the Admissions Welcome Center and tour the campus with our Student Ambassadors. To register for a campus visit go to our website www.ycp.edu/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. **Homeschooling credentials.** In addition to the above, homeschooling applicants must submit the following:
   a. A description for each course taken through homeschooling
   b. Two letters of recommendation, excluding parents or other relatives

A high school diploma from a homeschooling 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. Spaces in some programs such as Nursing, Mechanical Engineering, Respiratory Therapy, Radiography, and Graphic Design are limited.
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 received by May 1. 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. Information on completing the online Housing Application is forwarded at the time of acceptance. 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 3.0 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 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 1000 (Critical Reading and Math sections only) on the combined SAT or 21 ACT. 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.

Once admitted to York College, applicants from non-regionally accredited and non-candidate institutions may request a review of their transcript for credit validation purposes. The faculty and 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 examination 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 1980 or higher (with a minimum of 620 in each of the three areas), 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 should complete the online York College Application for Admissions (www.ycp.edu/admissions).

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.

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**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. It is the responsibility of the student to meet all their financial obligations. Monthly late fees will be applied to accounts not paid by the due date. Unpaid accounts will be referred to a collection agency. All collection costs are the responsibility of the student.

Following are examples of estimated costs for the 2011-2012 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 costs below, a student will incur expenses for books, supplies, certain special fees, and personal needs.
Typical 2011-2012 Tuition and Fees for Full-time Students
(12 to 18 credits)

<table>
<thead>
<tr>
<th></th>
<th>Semester</th>
<th>Year</th>
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<tbody>
<tr>
<td>Tuition</td>
<td>$7,160</td>
<td>$14,320</td>
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<tr>
<td>General Fee</td>
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<tr>
<td>Student Activity Fee</td>
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<td>$136</td>
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<tr>
<td><strong>Tuition &amp; Fees</strong></td>
<td>$7,940</td>
<td>$15,880</td>
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</tbody>
</table>

*Resident Freshman*

- Full meal plan: $1,965 to $3,000
- Room ranges*: $2,495 to 3,000
- Tuition, Fees, Room & Board: $12,400 to $12,905

*Upperclassman*

- Board is optional in apartments
- Room ranges*: $2,495 to 3,300

*single rooms available at an additional charge*

**Tuition:** Over 18 credits is at the per-credit-hour charge of $445.

**General Fee:** This fee provides the student with Internet access, an email address, library services, computer labs, Health Center, home athletic events and college-sponsored cultural events. It also includes counseling, advising and other administrative services.

- Full-time fee includes the use of the fitness center.
- Part-time fee provides the use of the fitness center at a nominal per visit fee.

**Student Activity Fee:** This fee is collected by the College and designated for the Student Senate to provide student activities.

**Room:** The College has traditional halls, suite-style residences and apartments available. Charges range from $2,495 to $3,300 per semester depending upon assignment.

- There are several single rooms available at an additional charge. Students residing in traditional halls and suite-style residences are required to participate in the full meal plan.

**Board:** The full meal plan which is billed consists of 225 meals in the “all you care to eat” dining facilities. There is an option of choosing another plan, which consists of 165 meals in the “all you care to eat” dining halls along with 250 dining points (dollars) to be used in other venues on campus. There are also other meal plans offered to those students who live in apartment-style housing or who commute. Unused meals and dining points do not carry over from semester to semester.
Billing Dates

Bills are mailed to students at their permanent, legal address.
Fall semester bills are sent in mid-June to those students who have registered. The payment is due in mid-July.
Spring bills are mailed in mid-December and are due the beginning of January.
Bills for students who register after the initial billing are available online at the my.ycp.edu portal.
A $50 PER MONTH LATE PAYMENT FEE APPLIES AFTER THE DUE DATE.

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

- **Tuition** per credit hour \(\$445\)
- **General Fee** (part-time) \(\$340\)

**SPECIAL FEES**

**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.
- 1/2-hour lesson per week \(\$320\)
- Two 1/2-hour lessons or one 1-hour lesson per week \(\$640\)

**Audit Fee** (per credit hour)
15% of tuition plus the general fee
Auditing will not be permitted in laboratory studies, studio courses, language courses, independent study, internship or non-credit courses.

- **Chemistry Plant Fee** \(\$30\)
- **Credit by Examination** (per course) \(\$125\)

**Engineering and Computer Engineering Majors:** There will be an additional tuition charge based on the total number of credits enrolled.
- 0.5 to 5.5 credits \(\$255\)
- 6 to 11.5 credits \(\$520\)
- 12 or more credits \(\$700\)

**ENGINEERING MANAGEMENT MAJORS**
- 0.5 to 5.5 credits \(\$125\)
- 6 to 11.5 credits \(\$260\)
- 12 or more credits \(\$350\)

**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 lab courses (ex. art, language, and science)
A listing of these courses will be available at the beginning of each semester.

Late Payment Fee $50 per month

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

Mass Communications Fee (per credit hour) $59

Nursing and Respiratory Therapy Majors
There will be an additional tuition charge (per credit hour) for courses. $105

Returned Check Charge $35

Student Teaching $240

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

Other 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

The purpose of this refund policy is to document circumstances under which a refund will be given to students for tuition, fees, room and board. YCP invests significant resources and incurs costs with the understanding that enrolled students intend to complete the academic curriculum to which they have committed. It is important that there be a clear and consistent policy regarding refunds to be equitable to all students and to YCP.

Tuition and Fee Refund Eligibility

Prior to the end of drop/add period, tuition and fees are automatically refunded 100% less any deposits. After the drop/add period, all students must submit a Records and Registrar’s Office Change Form to the Records or Evening Resource Office to be eligible for a tuition refund. Additionally, full-time undergraduate students withdrawing from all coursework must meet with the Dean of Student Affairs to be eligible for a tuition refund. Refunds will be calculated based on the Tuition Refund Schedule.

Fees are non-refundable after the drop/add period. This includes, but is not limited to, the general, student activity, and course fees.

Failure to attend class, giving notice to instructors, emailing or telephoning, will not be considered an official withdrawal. In the absence of an official withdrawal, the student will be responsible for all tuition, fees, and room and board.
Dropped Classes and Withdrawals

Dropped classes between 12 and 18 credits (full-time status) will not result in a tuition refund. Refunds will be calculated for credits dropped below 12 and over 18 using the Tuition Refund Schedule. With the exception of a complete withdrawal, the refund calculation for full-time students falling below 12 credits will be calculated on a per credit basis using the full-time tuition divided by 12 credits.

Withdrawals prior to the first day of the semester will receive a 100% refund of tuition, fees, and room-and-board as charged less any deposits as outlined below.

Impact on Financial Aid—If you are receiving federal financial aid, e.g., Direct Loans, Pell Grant, SEOG, Parent Plus, or Perkins, and drop/withdraw, your financial aid may be adjusted. You are liable for the debt incurred and your eligibility for future financial aid could be affected. Please contact the Financial Aid Office for more details.

Tuition Refund Schedule for Fall and Spring

<table>
<thead>
<tr>
<th>Refund</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>To the end of drop period</td>
<td>To the end of drop period</td>
</tr>
<tr>
<td>75%</td>
<td>Second week</td>
<td>Second week</td>
</tr>
<tr>
<td>50%</td>
<td>Third week</td>
<td>Third week</td>
</tr>
<tr>
<td>25%</td>
<td>Fourth week</td>
<td>Fourth week</td>
</tr>
<tr>
<td>0%</td>
<td>thereafter</td>
<td>thereafter</td>
</tr>
</tbody>
</table>

Refund Policy for Room and Board

If a student’s room and board status changes after the beginning of the semester, the student is obligated to pay the actual room and board used to the date of withdrawal. However, if the change occurs after 60% of the period of enrollment has been completed, no refund will be given.

Students must officially check out of the residence hall by contacting the Residence Life Staff (RD/RA) and completing the appropriate paperwork. Charges are based on the check-out dates approved and date of last meals eaten.

There will be no room or meal refunds after 60% of the semester is completed.

Medical Withdrawal

Tuition refunds for medical withdrawal will adhere to the same refund schedule as voluntary withdrawals. Refunds of room and board charges for a withdrawal due to medical reasons are prorated to the date of the withdrawal.

Military Withdrawal

Students called to active duty during a semester should present a copy of their military orders to the Dean of Student Affairs. If timing does not permit a student to complete the required forms and present his/her military orders prior to leaving campus, the student may withdraw by sending a personally signed written request for a military
withdrawal. A copy of his/her military orders must accompany the request.

Students granted a military withdrawal will receive a full refund of tuition and fees. Refunds of room-and-board charges will be prorated to the date of the withdrawal.

**Disciplinary Withdrawal**

Students who are dismissed or suspended from the College are refunded tuition charges according to the Tuition Refund Schedule. Board charges are prorated to the date of dismissal or suspension. No room refunds are granted under these circumstances.

Please note: Financial aid adjustments will be made according to applicable federal refund regulations under the Higher Education Amendments of 1998 (HEA98). Questions regarding potential impact should be addressed with the financial aid department.

**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:

\[
\text{Percentage of payment period or term completed} = \frac{\text{the number of days completed up to the withdrawal date}}{\text{the total days in the payment period or term}} \\
\text{(Any break of five days or more is not counted as part of the days in the term.) This percentage is also the percentage of earned aid.}
\]

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 Direct Stafford Loans
2. Subsidized Direct Stafford Loans
3. Federal Perkins Loans
4. Federal Parent (PLUS) Loans
5. Direct PLUS Loans
6. Federal Pell Grants
7. Federal Supplemental Opportunity Grants (SEOG)
8. TEACH Grant
9. 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. 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.

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

   b. 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. “Registered credits” are the number of credits for which a student is enrolled at the end of the Drop/Add period.

2. 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 $5,550 to students showing a financial need. Application is made directly to the government via the FAFSA (Free Application for Federal Student Aid).

**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, or are natives 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:  

**Presidential Academic Scholarship**

A $26,000 scholarship over four years ($6,500 annually) for students living on campus. $18,000 scholarship over four years ($4,500 annually) for commuting students.

Presidential Scholarships are awarded to first-time, full-time freshmen, who graduated in the upper two-fifths of their high school class and have a combined SAT math and critical reading score of 1250 or greater (28 ACT composite, with required writing). For those graduating from a high school which does not rank students, the Admissions Office will determine eligibility based on academic record. Scholarships will be renewed for up to four years to students maintaining a minimum grade point average of 3.0. One-half of the scholarship will be awarded with a grade point average of 2.75 to 2.99. Students must also be U.S. citizens or U.S. permanent residents to qualify.

**Dean’s Academic Scholarship**

An $18,000 scholarship over four years (eight full-time semesters, excluding summers), ($4,500 annually) for students living on campus. $10,000 scholarship over four years ($2,500 annually) for commuting students.

Dean’s Scholarship recipients are 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 1100-1240 (24-27 ACT composite, with required writing). 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 3.00 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 2.75 to 2.99. Students under disciplinary suspension lose future merit scholarship 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 3.3 or membership in Phi Theta Kappa while enrolled full-time at the most recently attended regionally accredited institution.

A minimum grade point average of 3.00 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 2.75 to 2.99.

**LOANS**

York College participates in several loan programs:

- 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 Academic Advising Center, 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. At York College, this process is guided by the Academic Advising Center and is predominately a faculty-based system. 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.

The academic advisor works in close partnership with the student as he/she develops their Personal Strategic Plan. This Plan encourages students to establish personal, academic and professional goals, develop a strategy to achieve these goals and carefully reflect upon their successes and challenges in pursuit of these 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 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 Center for Teaching and Learning.

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 REGISTRATION**

A Schedule of Classes for each semester is provided on the YCPWeb along with a rotation timetable for course registration. Matriculated students register through the online YCPWeb for enrollment in the official records of the College.

Newly admitted students for the fall semester are invited to a New Student Day 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 program will receive a schedule for their first semester by mail within a few weeks of the program. New students who are not able to attend the New Student Day program 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 writing, 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.

**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.

**DISABILITY SUPPORT SERVICES**
York College is dedicated to serving the needs of students regardless of disability by providing equal access to a quality learning experience. York College will not discriminate against any qualified student with a disability in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 and its amendments. The College will reasonably accommodate the needs of students with a disability provided such accommodation does not constitute a fundamental alteration of York’s program of education or otherwise constitute an undue burden.

Students requesting academic accommodations should submit disability documentation to the Disability Support Services Coordinator and then meet with the coordinator to discuss appropriate accommodations and plan a strategy for meeting 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 and that the student is not capable of doing or understanding the work or has made little or no effort to do so.</td>
</tr>
</tbody>
</table>
INC 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.

GRADE POINT AVERAGE

The grade point average (GPA) is computed by multiplying the credit hours of each course by the respective grade earned; this equals “quality points.” The total number of “quality points” is then divided by the total number of “GPA hours” as shown on the transcript.

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 × 2</td>
<td>= 6</td>
</tr>
<tr>
<td>2nd course</td>
<td>3 × 3.5</td>
<td>= 10.5</td>
</tr>
<tr>
<td>3rd course</td>
<td>3 × 2</td>
<td>= 6</td>
</tr>
<tr>
<td>4th course</td>
<td>3 × 2.5</td>
<td>= 7.5</td>
</tr>
<tr>
<td>5th course</td>
<td>3 × 3</td>
<td>= 9</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1 × 4</td>
<td>= 4</td>
</tr>
<tr>
<td></td>
<td>16 credits</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 “INC” 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 online through the YCPWeb.
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, language 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.

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.

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 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 or warning grade 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 Center. 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; as a result, they will be placed on academic probation. 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 probation, be suspended for one year, or be dismissed from the College.

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

1. A student who has attempted a total of at least 12 credit hours at York College and whose cumulative GPA is less than 2.0 will be placed on academic probation.
2. A student placed on academic probation will have two semesters to raise the cumulative GPA to meet the academic standard.
3. A student placed on academic probation who earns a cumulative 2.0 GPA will be placed on good academic standing.
4. Any student who does not achieve a 2.0 cumulative GPA following two semesters on probation will be placed on academic suspension for one year.

Academic Probation

Students placed on academic probation may continue their enrollment at the College, but will be limited to a maximum of 13 credit hours while on probation and will be required to participate in an academic support program. If the student attains a cumulative GPA of 2.0, the student will be returned to good academic standing. Students who fail to meet the standard within two semesters will be placed on academic suspension.

Academic Suspension

Students placed on academic suspension are prohibited from enrolling in any course at York College for one full year. In order to resume enrollment at York College, academically suspended students must apply for readmission to the College. Students who are readmitted will be on academic probation with a maximum limit of 13 credits and will be required to participate in an academic support program. Readmitted students will have two semesters to attain a 2.0 GPA. Students who do not attain a cumulative 2.0 GPA within two semesters will be dismissed from the College.

Academic Dismissal

A student who is academically suspended for a second time is considered academically dismissed. 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 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 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 YCPWeb.
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 Records and Registrar’s Office Change 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 Records and Registrar’s Office Change form in the Records Office. Students may not withdraw from a course on the YCPWeb. 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 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 Academic Advising Center, 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 may not repeat a course off-campus that has already been taken at York College. 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 “W” 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

Though most students declare a major program of study upon admission to York College, some students who have not decided on a specific major register as undeclared and 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 Center 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 Center to complete a 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, 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. Students may not complete a minor following graduation.
DECLARING A MINOR/DOUBLE MAJOR
A student interested in pursuing a minor or a double major should contact the Academic Advising Center and complete a 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

CENTER FOR TEACHING AND LEARNING

The Center for Teaching and Learning (CTL) provides free academic support programs for all York College students. The CTL offers one-on-one tutoring programs for most courses and includes a Writing Center with peer and professional tutors who are prepared to help with writing assignments for every class. In addition, the CTL offers review sessions for many courses, study skills workshops, and personal consultations with the Academic Transition Coach.

The CTL is open weekdays and evenings when classes are in session. The tutors’ schedules will be announced at the beginning of each semester. Students may contact the CTL for more information or to make appointments by calling 717-815-1296 or stopping by the Humanities Center Room 01.

Students who are interested in becoming peer tutors should contact the assistant director of the CTL. The minimum requirement for students to become tutors is a 3.5 or higher in the classes they wish to tutor and recommendations from the professors teaching the courses.

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, Academic 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 Chair. 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 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.

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; Ponificia 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.

Faculty-Led Short Term Study Abroad

In addition to the affiliation agreements and traditional study abroad opportunities outlined above, York College also has several short term (7 days - 3 weeks) study abroad experiences led by faculty. There are currently courses offered in Chemistry, English, Criminal Justice, and Geography with a travel component. For more information about these York College courses, contact the Career Development Center.
EVENING RESOURCE CENTER

The Evening Resource Center is a primary resource for students who are looking for assistance after normal business hours. The Evening Resource Center, located in Campbell Hall, Room 200, is open Monday through Thursday evenings whenever classes are in session during the fall, spring and summer semesters.

If you are just beginning your college career as an undergraduate student at York College and have not applied for admission, advising is provided through the Evening Resource Center. Please contact the office at 717-815-1208 or the Registrar’s Office at 717-815-1273 to make an appointment to meet with an advisor for course selection and other college related concerns. If you are a graduate student interested in pursuing a master’s level degree, please contact the appropriate master’s level academic department for assistance. You can obtain further information by visiting the Registrar’s office webpages. Direct links are provided for the Evening and Summer Degree Program brochures.

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

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

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.

SUMMER SEMESTERS

Both undergraduate and graduate classes are offered during the summer sessions as follows:

- Mini-mester - 3 weeks starting mid-May to early June
- Summer I - 5 weeks in early June to early July
- Summer II - 5 weeks in mid-July to mid-August
- Special Session - 13 weeks starting in mid-May through mid-August
Summer session dates and deadlines can be found on the York College website. Students may enroll in up to four credits during the Mini-mester and up to a maximum of seven credits during Summer I or Summer II. Regular college services are available to summer students such as parking, library services, on-campus housing, advising and use of the Grumbacher facilities. For further information about the Grumbacher Center, visit the York College website.

Brochures are provided for the summer sessions. They may be viewed online on the Registrar’s Office website or may be requested 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

CENTER FOR PROFESSIONAL EXCELLENCE

The Center for Professional Excellence (CPE) assists students in building the capabilities that will enable them to be effective professionals in whatever career path they choose. The CPE’s direct involvement in both academic and cocurricular programs helps ensure that York College students are at the forefront when it comes to being the first choice of employers based upon their academic and professional preparation.

Through the CPE’s national Professionalism in the Workplace Poll and strong corporate Advisory Board, we have identified the core qualities of high-performing professionals. Working in direct partnership with College departmental leaders, the CPE underscores these elements in existing classroom curricula. Outside of the
classroom, the CPE enhances a student’s educational experience at York by providing campus-wide seminars, programs and workshops on professionalism to help accelerate a student’s development of the attitudes, behaviors and skills that define one as a professional. These attributes are an impressive and distinguishing attribute of a York College graduate.

**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 Career Development Center also provides comprehensive information about study abroad and assists students with the graduate school application process.

Through both the Center’s four-year program, Plan To Succeed, as well as the student’s own Personal Strategic Plan, students are asked to personalize their own academic and career plans during their York College experience. Student’s are encouraged 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 Career Development Center are designed to empower students to be active participants in their own academic, career and professional development and life planning.
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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 both facilitate 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.
**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 Academic Program 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:**


**Area II: Social and Behavioral Sciences:**


**Area III: Laboratory Sciences:**

BIO110, BIO112, BIO120, BIO122/212, BIO124, BIO128, BIO150, BIO152, BIO206, BIO208, BIO210, BIO212, BIO214, BIO216, BIO220, BIO222, BIO230, BIO232, BIO240, CHM102/202, CHM114, CHM116, CHM122, CHM134, CHM136, CHM202, CHM234, CHM236, ESS152, ESS154, PHY110, PHY112, PHY160, PHY162, PHY260, PHY262, PSC102, PSC152, PSC154

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

H121, H122, H219, H220, H221, H222, HIS101, HIS102, HIS111, HIS112, PS141, PS142

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

ARB101, ARB102, FRN101, FRN102, FRN201, FRN202, FRN203, FRN205, FRN315, FRN316, G241, G242, G348, G350, GRM101, GRM102, GRM201, GRM202, GRM203, GRM205, GRM206, GRM301, GRM305, GRM315, GRM316,
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**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**

**DOCTORAL PROGRAM**

Doctor of Nursing Practice

**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

Education:

Early Childhood Education (K-4)
Middle Level Education:
English, Math, Science, Social Studies
Secondary Education:
Biology, English, General Science, Mathematics, Spanish, Social Studies
Special Education (K-8)
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**

**ASSOCIATE DEGREE PROGRAMS**

**Biology**

**Business Administration**

**Chemistry**

**Criminal Justice**

**Fine Art**

**General Studies**

**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**
### 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>LS356</td>
<td>Dr. Jeffrey Witman</td>
</tr>
<tr>
<td>Biological Sciences</td>
<td>LS207</td>
<td>Dr. Ronald Kaltreider</td>
</tr>
<tr>
<td>Business Administration</td>
<td>BA201</td>
<td>Dr. Gerald Patnode</td>
</tr>
<tr>
<td>Education</td>
<td>LS135</td>
<td>Dr. Stacy Dannmann</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. Thomas Hall</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 Science

The Behavioral Science 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. Students majoring in Behavioral Sciences cannot have more than one required major course with a grade less than 2.0. 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.

Required Courses for the Behavioral Science Major:

A core of eight courses (24 credits) will be required of all Behavioral Science majors. These courses will expose students to the concepts and theories of the
behavioral 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
- GER100  Perspectives on Aging
- 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 Electives**

Students must also complete four elective courses (12 credits) selected from any courses offered within the Behavioral Sciences Department. Behavioral Science electives can thus be selected from Anthropology (ANT), Behavioral Science (BEH), Criminal Justice (CJA), Gerontology (GER), Psychology (PSY), Recreation and Leisure (REC), and Sociology (SOC) course offerings.

**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)**

Two required courses:
- ANT220  Cultural Anthropology
- ANT210  Introduction to Physical Anthropology
Any five of the following:

ANT230 Archaeology
ANT300 Food and Culture
ANT 302 Applied Anthropology
ANT310 Forensic Anthropology
ANT325 Culture and Personality
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/PSY312 Psychological Aspects of Aging
GER316 Ethical Aspects of Aging
GER410 Health In Later Years

One or two of the following:

ANT350 Anthropology of Aging
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
HIS205  Oral History: Techniques and Research  
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/PSY312  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>
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<tr>
<td>Analytical Reading and Writing</td>
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</tr>
<tr>
<td>Human Communication</td>
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</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>
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<td>Area I Distribution Requirements</td>
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<td>Area IV Distribution Requirements</td>
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<td>Physical Education</td>
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<td><strong>Total</strong></td>
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Sophomore Year

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<td>Academic Writing</td>
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<td>Area III Distribution Requirements</td>
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<td>Concentration Course</td>
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<td>Elective Courses</td>
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Junior Year

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<tr>
<td>Social Psychology</td>
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<td>Research Methodology I</td>
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<td>Statistics/Research Methodology II</td>
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Senior Year

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<td>Area V Distribution</td>
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<tr>
<td>Behavioral Science Seminar</td>
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<tr>
<td>Electives Courses</td>
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<td>30</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 system; (2) encourage a theoretical and informed inquiry into justice policies; (3) develop introductory skills in research methodology and statistics; and (4) prepare students for professional careers in criminal justice 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 Coordinator. 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.

**Required Courses for Criminal Justice Majors:**

- PSY100  General Psychology*
- SOC100  Introduction to Sociology*
- SOC320  Criminology
- CJA101  Introduction to Criminal Justice*
- CJA110  Juvenile Delinquency
- CJA203  Ethical Issues in Criminal Justice
- CJA295  Criminal Justice Research Methods*
- 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
- CJA498/499  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>
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</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</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>
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<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
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<tr>
<td>Free Electives</td>
<td>3</td>
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<td><strong>Total</strong></td>
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</table>

Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Criminology</td>
<td>3</td>
</tr>
<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 Statistics</td>
<td>3</td>
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<tr>
<td>Criminal Justice Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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</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>
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<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/or graduate school goals. It is important that each Psychology major meet with an advisor at least once per semester. A curriculum worksheet for Psychology for the semester the major was declared should be completed before seeing an advisor. These are available in the Behavioral Sciences Department or on the Registrar’s Office webpages. A program advising guide is also available from advisors. 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 the 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.

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), Psychological Aspects of Aging (PSY312), Early Childhood Development (PSY223), and Young Adolescent Development (PSY224) do not satisfy Psychology major requirements and will be given credit as free electives for students who take the courses before declaring the psychology major.
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.
Required Courses for Psychology Majors:

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 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.

PSY215  Sustainability and Psychology (*Satisfies ADRIII and Sustainability and Environmental Studies minor credits*)
PSY227  Psychology of Exceptional Children
PSY250  Multicultural Awareness
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:

<table>
<thead>
<tr>
<th>Freshman Year</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 MAT111 or higher 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>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>2nd Semester</td>
<td></td>
</tr>
<tr>
<td>Essential Skills and Tools in 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 one 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>
<tr>
<td>30</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year</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>
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<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>
</tr>
<tr>
<td>31-32</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year</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>
<tr>
<td>30-31</td>
<td></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>
<tr>
<td><strong>Total</strong></td>
<td>30-32</td>
</tr>
</tbody>
</table>

When selecting courses: Please consult the Psychology curriculum worksheet which was in effect when the Psychology major was declared, (these are available in the Behavioral Sciences Department or on the Registrar’s Office website), meet with your academic advisor, and review the advising guides.

### 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 for Parks, Recreation, Tourism and Related Professions (COAPRT).

**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. 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.

Required Courses for Recreation and Leisure Administration Major:

- PSY100  General Psychology
- SOC100  Introduction to Sociology
- REC101  Recreation and Leisure in Modern Society
- REC103  Leadership and Group Dynamics
- REC200  Introduction to Therapeutic Recreation
- REC210  Recreation Programming
- REC211  Recreation Programming Lab
- REC221  Experiential Learning in Recreation
- REC460  Directed Field Experience in Community Recreation and Leisure (9 credits) OR
- REC470  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
**Business-Related Elective**

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

**Recreation Elective (six credits)**

OR

**Therapeutic Recreation Emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC331</td>
<td>Leadership in Therapeutic Recreation</td>
</tr>
<tr>
<td>REC343</td>
<td>Organizing Therapeutic Recreation</td>
</tr>
<tr>
<td>REC365</td>
<td>Medical Conditions and the Impact on Therapeutic Recreation</td>
</tr>
<tr>
<td>REC400</td>
<td>Therapeutic Recreation and Aging</td>
</tr>
</tbody>
</table>

**Recreation Electives (three credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC250</td>
<td>Special Events Planning</td>
</tr>
<tr>
<td>REC310</td>
<td>Outdoor Recreation</td>
</tr>
<tr>
<td>REC380-384, 393-394</td>
<td>Selected Topics in Community Recreation</td>
</tr>
<tr>
<td>REC385-389 and REC392</td>
<td>Selected Topics in Therapeutic Recreation</td>
</tr>
<tr>
<td>REC390</td>
<td>Meeting Children’s Needs Through Movement</td>
</tr>
<tr>
<td>REC424 or REC428</td>
<td>Recreation Directed Field Experience</td>
</tr>
<tr>
<td>REC498</td>
<td>Independent Study</td>
</tr>
<tr>
<td>SOC345</td>
<td>Human Services Techniques</td>
</tr>
</tbody>
</table>

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:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>PSY230</td>
<td>Abnormal Psychology</td>
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<tr>
<td>NUR201</td>
<td>Human Development in Health Care</td>
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One of the following Biology/Laboratory courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>BIO220/221</td>
<td>Human Anatomy and Physiology I/Laboratory OR</td>
</tr>
<tr>
<td>BIO222/223</td>
<td>Human Anatomy and Physiology II/Laboratory</td>
</tr>
</tbody>
</table>
Recreation and Leisure Administration 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>
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<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><strong>32</strong></td>
</tr>
</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 and Programming Lab</td>
<td>4</td>
</tr>
<tr>
<td>Experiential Learning in Recreation</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
<td>3</td>
</tr>
<tr>
<td>(choice from above for therapeutic certification) OR Elective</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirements</td>
<td>3-4</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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</table>

**Junior Year**

* (Therapeutic Emphasis) *

<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>3</td>
</tr>
<tr>
<td>Area III Distribution Requirements</td>
<td>3-4</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Medical Conditions and the Impact on Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>Therapeutic Recreation and Aging</td>
<td>3</td>
</tr>
<tr>
<td>Leadership in Therapeutic Recreation</td>
<td></td>
</tr>
<tr>
<td>OR Organizing Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>8</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>32-33</strong></td>
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<tr>
<td>Course</td>
<td>Credits</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
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</tr>
<tr>
<td>Area II Distribution Requirements</td>
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<td>Area III Distribution Requirements</td>
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<td>Area IV Distribution Requirements</td>
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<tr>
<td>Area V Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Organizing Community Recreation</td>
<td>3</td>
</tr>
<tr>
<td>Business-Related Elective</td>
<td>3</td>
</tr>
<tr>
<td>Recreation Electives</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>8</td>
</tr>
<tr>
<td><strong>Senior Year</strong></td>
<td><strong>32-33</strong></td>
</tr>
<tr>
<td><strong>(Therapeutic Emphasis)</strong></td>
<td></td>
</tr>
<tr>
<td>Recreation Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Recreation Administration</td>
<td>3</td>
</tr>
<tr>
<td>Recreation Elective</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>7-9</td>
</tr>
<tr>
<td>Organizing Therapeutic Recreation OR</td>
<td></td>
</tr>
<tr>
<td>Leadership In Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>Directed Field Experience</td>
<td>9</td>
</tr>
<tr>
<td><strong>OR</strong></td>
<td><strong>28-30</strong></td>
</tr>
<tr>
<td><strong>(Community Emphasis)</strong></td>
<td></td>
</tr>
<tr>
<td>Recreation Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Recreation Administration</td>
<td>3</td>
</tr>
<tr>
<td>Recreation Elective</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>7-9</td>
</tr>
<tr>
<td>Recreation and Parks Facilities Management</td>
<td>3</td>
</tr>
<tr>
<td>Directed Field Experience</td>
<td>9</td>
</tr>
<tr>
<td><strong>Bachelor of Science Degree in Sociology</strong></td>
<td><strong>28-30</strong></td>
</tr>
</tbody>
</table>

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.

Required Courses for Sociology Major:

PSY100 General Psychology
SOC100 Introduction to Sociology
BEH490 Behavioral Science Seminar
SOC220 American Social Problems
SOC230 Development of Sociological Theory
SOC235 Contemporary Sociological Theory
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
Sociology Suggested Course Sequence:

Freshman Year

- Analytical Reading and Writing: 3 credits
- Human Communication: 3 credits
- Information Literacy: 2 credits
- Critical Thinking/Problem Solving in Math: 3 credits
- General Psychology: 3 credits
- Introduction to Sociology: 3 credits
- Area I Distribution Requirements: 6 credits
- Area IV Distribution Requirements: 6 credits
- Physical Education: 2 credits

Total Credits: 31

Sophomore Year

- American Social Problems: 3 credits
- Sociology Elective: 3 credits
- Development of Sociological Theory: 3 credits
- Contemporary Sociological Theory: 3 credits
- Academic Writing: 3 credits
- Area III Distribution Requirement: 3-4 credits
- Elective Courses*: 15 credits

Total Credits: 33-34

Junior Year

- Research Methodology I: 3 credits
- Statistics/Research Methodology II: 3 credits
- Sociology Electives: 9 credits
- Area III Distribution Requirement: 3-4 credits
- Area V Distribution Requirements: 6 credits
- Elective Courses*: 6 credits

Total Credits: 30-31

Senior Year

- Sociology Courses: 9 credits
- Behavioral Science/Sociology Seminar*: 3 credits
- Elective Courses*: 18 credits

Total Credits: 30 credits

*It is especially important to see your advisor before 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.

Required Courses for Criminal Justice Associate Degree:

- CJA101 Introduction to Criminal Justice
- CJA110 Juvenile Delinquency
- CJA203 Ethical Issues in Criminal Justice

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 Associate Degree 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>Critical Thinking &amp; Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>Juvenile Delinquency</td>
<td>3</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 III Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>3</td>
</tr>
</tbody>
</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>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Ethical Issues</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>7</td>
</tr>
<tr>
<td>Criminal Justice Electives</td>
<td>15</td>
</tr>
</tbody>
</table>

Total Credits: 29 + 33 = 62
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)

ANT210  Physical Anthropology  
ANT220  Cultural Anthropology

Any four of the following courses:

ANT300  Food and Culture  
ANT302  Applied Anthropology  
ANT310  Forensic Anthropology  
ANT325  Culture and Personality  
ANT330  Anthropology of Religion  
ANT350  Anthropology of Aging  
ANT390, ANT391  Selected Topics Anthropology  
ANT392  Anthropology and Medicine  
INT101  Introduction to Indo-European Languages  
LIT320  Introduction to Linguistics  
BEH495, BEH496  Behavioral Sciences Cooperative Internship*  
ANT498, ANT499  Independent Study in Anthropology

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

*Only special anthropological internships apply; see advisor six weeks prior to registration.
100 Programs of Study

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 Minor (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/PSY312  Psychological Aspects of Aging
GER410  Health In Later Years

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

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

***Course cannot be used for both Criminalistics minor and Criminal Justice elective.
One of the following courses:

SOC305  Working with Children and Youth
GER320  Working with Older Adults
CJA110  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 in Psychology
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
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 (Note: These courses will vary by semester and have various titles. Any course within this number range will satisfy psychology minor requirements.)
PSY381  Adult Psychopathology and the Media
PSY421-422  Psychology Internship

*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.
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
SOC315 Ethnic/Minorities
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
SOC473/HIS473 Social Movements In the World
SOC498, SOC499 Independent Study
The Department of Biological Sciences offers baccalaureate degree programs in Biology, Secondary Education-Biology, and the Allied Health fields of Nuclear Medicine Technology, Radiography, and Respiratory Care. 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 careers. 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, radiographers or respiratory therapists. The Department also offers associate degree programs in Biology and Respiratory Care. A minor in Biology is 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 Nuclear Medicine Technology, Radiography, and Respiratory Care 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. 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.

Required Courses for Biological Sciences Major:

<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 I</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>BIO290</td>
<td>Biostatistics</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>
<tr>
<td>BIO360</td>
<td>Neurobiology</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

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)

**Biological Sciences 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>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>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>Biology I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>General Chemistry I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>32</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</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>Biostatistics</td>
<td>3</td>
</tr>
<tr>
<td>Organic Chemistry I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>(or Organic Chemistry I and Biochemistry during junior year)</td>
<td>8</td>
</tr>
<tr>
<td>Upper-Division Biology Elective</td>
<td>4</td>
</tr>
<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></td>
<td>34</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>General Physics I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>Upper-Division Biology Elective</td>
<td>4</td>
</tr>
<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></td>
<td>31</td>
</tr>
</tbody>
</table>
Bachelor of Science Degree in Nuclear Medicine Technology

A bachelor’s degree in Nuclear Medicine Technology degree 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 the 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 will 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.

* Program is accredited by the Joint Review Committee on Education in Nuclear Medicine Technology. The affiliated hospitals are Lancaster General Hospital, York Hospital, Memorial Hospital, Washington County Hospital, Reading Hospital and Medical Center, Good Samaritan Hospital of Lebanon, Lewistown Hospital, Peninsula Regional Medical Center, Grand View Hospital, and Carlisle Regional Medical Center.
Programs of Study

Upon successful completion of the Nuclear Medicine Technology program, a Bachelor of Science degree in Nuclear Medicine Technology 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 (CNMT).

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.

Required Courses for Nuclear Medicine Technology Major:

- 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
- RT 105 Medical Terminology
- BEH260 Statistics
- MAT120 Applied Calculus
- BIO100 Introduction to Allied Health

Clinical Year: 30 Credits

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

A cumulative grade point average of 3.0 or higher is highly suggested in order for the College to recommend the student to 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 Certification Board (NMTCB), and American Registry of Radiologic Technologists (ARRT).
Nuclear Medicine Technology 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>Biology I</td>
<td>4</td>
</tr>
<tr>
<td>General Chemistry I and II</td>
<td>8</td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Medical Terminology</td>
<td>1</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
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<tr>
<td>Introduction to Allied Health</td>
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</table>

Total Credits: 34

**Sophomore Year**

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

**Junior Year**

<table>
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<tr>
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<tbody>
<tr>
<td>Biochemistry</td>
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<tr>
<td>Immunology</td>
<td>4</td>
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<tr>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>Area II Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>3</td>
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<tr>
<td>Area V Distribution Requirements</td>
<td>3</td>
</tr>
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<td>Free Electives</td>
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Total Credits: 30

**Senior Year**

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>Nuclear Medicine Theory</td>
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<tr>
<td>Nuclear Medicine Practicum</td>
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</table>

Total Credits: 30

**Bachelor of Science Degree in Radiography**

A degree in Radiography will prepare the student for a professional career as a radiographer. Radiographers are health care providers who use ionizing radiation
to produce quality diagnostic images. There are many general staff radiography employment opportunities, as well as advanced positions based on education and training. Employment and specialization includes: hospitals, outpatient settings, educational and administrative positions. Upon successful completion of the program and the registry examination for Radiography, the individual is certified as a radiographer.

Students pursuing the Bachelor of Science degree in Radiography spend two years at York College followed by two clinical years at WellSpan Hospital System within the Radiography program. Admission to York College does not guarantee admission to the hospital clinical years. Students follow the prescribed courses of study for the first two years at the College. The student must earn a minimum of 2.0 in each of the required and a cumulative grade point average of 3.0 or higher is recommended in order to be competitive when applying for clinical years. At the end of the fall semester of the sophomore year, the student applies for the clinical years through the Coordinator of Radiography at York College. The Radiography program at WellSpan decides which students will be accepted into clinical years.

After completing these two years of core requirements, students must then complete two years of clinical experience in a hospital-based certificate program accredited by the JRCERT. Credits for individual courses may vary with program. A maximum of 59 credits will be awarded towards the bachelor’s degree. Students must be awarded the program’s certificate of completion before receiving their bachelor’s degree. Graduates must receive their bachelor’s degree before being eligible to sit for the national registry exam.

Requirements for Graduation:

To be eligible for graduation, students majoring in Radiography must complete a minimum of 134 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 Radiography must earn a minimum grade of 2.0 in all major requirements with an overall cumulative GPA over 3.0 is highly recommended to be competitive for clinical slots. The College cannot guarantee the student a position at a hospital for the clinical years.

Required Courses for Radiography Major:

- BIO100 Introduction to Allied Health
- BIO150 Biology I
- BIO220 Human Anatomy & Physiology I
- BIO222 Human Anatomy & Physiology II
- BEH260 Statistics
- CHM134 General Chemistry I
- CHM136 General Chemistry II
- MAT120 Applied Calculus
- PHY112 General Physics II
- RT105 Medical Terminology
### Radiography Suggested Course Sequence:

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
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<td>Fall and Spring Semesters</td>
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<td>Analytical Reading and Writing</td>
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<tr>
<td>Academic Writing</td>
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<td>Biology I</td>
<td>4</td>
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<tr>
<td>General Chemistry I and II</td>
<td>8</td>
</tr>
<tr>
<td>Applied Calculus</td>
<td>3</td>
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<tr>
<td>Medical Terminology</td>
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<tr>
<td>Free Electives</td>
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<tr>
<td>Information Literacy</td>
<td>2</td>
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<tr>
<td>Introduction to Allied Health</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
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<tbody>
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<td>Area Distribution Requirements</td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
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<td>Fall and Spring Semesters</td>
<td></td>
</tr>
<tr>
<td>Area Distribution Requirements</td>
<td>12</td>
</tr>
<tr>
<td>Human Anatomy &amp; Physiology I/II</td>
<td>8</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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<td>Physics II</td>
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<td>Statistics</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Junior and Senior Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Clinical Experiences)</td>
<td></td>
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<tr>
<td>Radiography Theorum I-V</td>
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<tr>
<td>Radiography Practicum I-V</td>
<td>30</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>59</strong></td>
</tr>
</tbody>
</table>

### 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 2.0 average is required in high school biology, chemistry, and algebra. A score of 950 or better is
required on the SAT with a minimum of 450 on each section of the critical reading and math components. 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.

NOTE: Admission to the College and Respiratory Care major does not guarantee admission to the clinical portion of the program, which begins the summer following the freshman year. Interviews will be conducted by the selection committee in March for selection of the group that will begin clinical training in June. Students with a GPA of less than 2.5 and those who have not completed the required freshman courses with a 2.0 or better grade will only be considered as space is available.

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 three- or four-year Respiratory Therapist program qualifies the individual to take the Certified Respiratory Therapist (CRT) and Registered Respiratory Therapist (RRT) examinations administered by the National Board for Respiratory Care (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 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 earned in each Respiratory Care course.

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

**Required Courses for Respiratory Care Major:**

**General**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO150</td>
<td>Biology I</td>
</tr>
<tr>
<td>BIO220</td>
<td>Human Anatomy &amp; Physiology</td>
</tr>
<tr>
<td>BIO222</td>
<td>Human Anatomy &amp; Physiology</td>
</tr>
<tr>
<td>BIO230</td>
<td>Microbiology</td>
</tr>
<tr>
<td>CHM134</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHM136</td>
<td>General Chemistry II</td>
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<tr>
<td>PHY110</td>
<td>General Physics I</td>
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**Respiratory Care Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT100</td>
<td>Basic Science for Resp. Ther.</td>
</tr>
<tr>
<td>RT105</td>
<td>Medical Technology</td>
</tr>
<tr>
<td>RT110</td>
<td>Oxygen Therapy &amp; CPR</td>
</tr>
<tr>
<td>RT115</td>
<td>Bronchopulmonary Hygiene</td>
</tr>
<tr>
<td>RT120</td>
<td>Mechanical Ventilation</td>
</tr>
<tr>
<td>RT125</td>
<td>Pulmonary Funct. Testing</td>
</tr>
<tr>
<td>RT130</td>
<td>Pulmonary Disease</td>
</tr>
<tr>
<td>RT135</td>
<td>Pediatric Resp. Therapy</td>
</tr>
<tr>
<td>RT210</td>
<td>Eval. Patient Pulmonary Dis.</td>
</tr>
<tr>
<td>RT320</td>
<td>Pulmonary Physiology</td>
</tr>
<tr>
<td>RT330</td>
<td>Cardiac Physiology</td>
</tr>
<tr>
<td>RT410</td>
<td>Independent Study</td>
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<tr>
<td>RT450</td>
<td>Resp. Therapy Seminar</td>
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</table>

**Clinical Courses***

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>RT150</td>
<td>Clinical Prac. I</td>
</tr>
<tr>
<td>RT160</td>
<td>Clinical Prac. II</td>
</tr>
<tr>
<td>RT225</td>
<td>Clinical Prac. IV</td>
</tr>
<tr>
<td>RT260</td>
<td>Clinical Prac. V</td>
</tr>
<tr>
<td>RT270</td>
<td>Clinical Prac. VI</td>
</tr>
<tr>
<td>RT350</td>
<td>Clinical Prac. VIII</td>
</tr>
<tr>
<td>RT415</td>
<td>Clinical Prac. IX</td>
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<tr>
<td>RT420</td>
<td>Clinical Prac. X</td>
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*RT280 Clinical Practice VII may be substituted for RT350, RT415, and RT420.
### 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>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
<td>3</td>
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<tr>
<td>General Chemistry I</td>
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<td>Biology I</td>
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#### Freshman Year (Spring)  
<table>
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<tr>
<th>Course</th>
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<td>Human Communication</td>
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<td>Information Literacy</td>
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<tr>
<td>General Chemistry II</td>
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<td>Medical Terminology</td>
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<tr>
<td>Introduction to Allied Health</td>
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#### Summer  
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<tr>
<td>Area I Distribution Requirement</td>
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#### Sophomore Year (Fall)**  
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>Anatomy and Physiology I</td>
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<td>Area V Distribution Requirement</td>
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<tr>
<td>Bronchopulmonary Hygiene</td>
<td>3</td>
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<tr>
<td>Oxygen Therapy and CPR</td>
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<td>Clinical Practice I</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>
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</thead>
<tbody>
<tr>
<td>Anatomy and Physiology II</td>
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<tr>
<td>Pulmonary Function Testing</td>
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<tr>
<td>Mechanical Ventilation</td>
<td>4</td>
</tr>
<tr>
<td>Pediatric Respiratory Care</td>
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<tr>
<td>Clinical Practice II</td>
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<tr>
<td><strong>Total</strong></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.
<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Title</th>
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<tr>
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<td>Patient Evaluation (10 weeks)</td>
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<tr>
<td>Junior Year (Fall)</td>
<td>General Physics I</td>
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<td>Pulmonary Physiology</td>
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<td>Pulmonary Disease</td>
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<td>Junior Year (Spring)</td>
<td>Microbiology</td>
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<td></td>
<td>Cardiac Physiology</td>
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<td></td>
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<td>Physical Education</td>
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<td></td>
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<tr>
<td>(Summer)</td>
<td>Clinical Practice VIII (5 weeks)</td>
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<tr>
<td>Senior Year (Fall)</td>
<td>Respiratory Therapy Seminar</td>
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<td></td>
<td>Clinical Practice IX</td>
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<td>Area V Distribution Requirement</td>
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<td>Free Electives</td>
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<tr>
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<td></td>
<td>15</td>
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<tr>
<td>Senior Year (Spring)</td>
<td>Area IV Distribution Requirement</td>
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</tr>
<tr>
<td></td>
<td>Free Electives</td>
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<td>Area I Distribution Requirement</td>
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<td></td>
<td>Independent Study for Respiratory Care</td>
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<tr>
<td></td>
<td>Clinical Practice X</td>
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<td></td>
<td>Physical Education</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>12</td>
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</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 141 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 six courses—two English courses (WRT102, WRT202), Intro to American Education (EDU 200), Instructional Technology (EDU210), and two math courses Statistics (MAT250) and Applied Calculus (MAT120) or higher.

**Required Courses in Secondary Education-Biology Major:**

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<tr>
<th>Discipline Certification Requirements²</th>
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<tbody>
<tr>
<td>MAT250</td>
<td>Statistics</td>
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<tr>
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<td>General Chemistry I</td>
</tr>
<tr>
<td>CHM136</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CHM234</td>
<td>Organic Chemistry</td>
</tr>
<tr>
<td>CHM236</td>
<td>Organic Chemistry OR</td>
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<tr>
<td>BIO350</td>
<td>Biochemistry I</td>
</tr>
<tr>
<td>PHY110</td>
<td>General Physics I</td>
</tr>
<tr>
<td>ESS152</td>
<td>Earth &amp; Space Science</td>
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<table>
<thead>
<tr>
<th>Biology Required Courses²</th>
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<tbody>
<tr>
<td>BIO150</td>
<td>Biology I¹</td>
</tr>
<tr>
<td>BIO152</td>
<td>Biology II¹</td>
</tr>
<tr>
<td>BIO200</td>
<td>Introduction to Scientific Research</td>
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<td>Ecology</td>
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<td>BIO3XX</td>
<td>Biology Elective</td>
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<tr>
<td>BIO3XX</td>
<td>Biology Elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pre-Professional Education Courses²</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU210</td>
<td>Instructional Technology</td>
</tr>
<tr>
<td>EDU200</td>
<td>Introduction to American Education (must be taken at York College)</td>
</tr>
<tr>
<td>EDU375</td>
<td>Psychology of Teaching/Learning Sec. Ed.</td>
</tr>
<tr>
<td>PSY100</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SOC100</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SPE200</td>
<td>Processes and Procedures</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Professional Preparation Courses³</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SE402</td>
<td>Community and Legal Issues in Education (must be taken at York College)³</td>
</tr>
<tr>
<td>SE351</td>
<td>Teaching Strategies</td>
</tr>
</tbody>
</table>
SE354  Teaching Sec. Ed. Science  
EDU335  Instructional Needs of ELL  
SPE300  Effective Instructional Methods  
SPE301  Literacy Development  

**Student Teaching Semester**\(^2,4\)  
SE404  Student Teaching **OR**  
SE405  Focused Studies  
SE412  Practicum in Student Teaching  
SE413  Selected Topics in Education **OR**  
SE416  Directed Professional Educational 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 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 American Education</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>36</td>
</tr>
</tbody>
</table>

<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>Organic Chemistry I and II</td>
<td>8</td>
</tr>
<tr>
<td>(or Organic Chemistry I and Biochemistry I)</td>
<td></td>
</tr>
<tr>
<td>Psychology of Teaching/Learning Sec. Ed.</td>
<td>3</td>
</tr>
<tr>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>Processes and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>37</td>
</tr>
</tbody>
</table>
### Junior Year Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Biology 3XX Elective</td>
<td>4</td>
</tr>
<tr>
<td>General Physics I and Earth/Space Science</td>
<td>7</td>
</tr>
<tr>
<td>Teaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td>Instruction Needs of ELL</td>
<td>3</td>
</tr>
<tr>
<td>Effective Instructional Methods</td>
<td>3</td>
</tr>
<tr>
<td>Literacy Development</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Secondary Ed Science</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><strong>Total</strong></td>
<td><strong>37</strong></td>
</tr>
</tbody>
</table>

### Senior Year Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 3XX Elective</td>
<td>4</td>
</tr>
<tr>
<td>Community and Legal Issues in Education</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</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>Practicum in Student Teaching SE412</td>
<td>1</td>
</tr>
<tr>
<td>Selected Topics SE413</td>
<td>1</td>
</tr>
<tr>
<td>Student Assistance Seminar SE310</td>
<td>(1 credit elective)</td>
</tr>
<tr>
<td>Student Teaching SE404 OR</td>
<td>10</td>
</tr>
<tr>
<td>Focused Studies SE405</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>32</strong></td>
</tr>
</tbody>
</table>

Additionally, students must complete 190 hours of Field Experience prior to the Student Teaching semester. Students are required to obtain all Pennsylvania clearances and must pass all required PRAXIS exams.

### ASSOCIATE DEGREE PROGRAMS

#### Respiratory Therapy Associate Degree Program 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
earned in each Respiratory course.

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

**Required Courses for Respiratory Therapist Associate Degree:**

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 Respiratory Care
- RT105  Medical Terminology
- RT110  Oxygen Therapy & CPR
- RT115  Bronchopulmonary Hygiene
- RT120  Mechanical Ventilation
- RT125  Pulmonary Function Testing
- RT130  Pulmonary Disease
- RT135  Pediatric Respiratory Therapy
- RT210  Evaluation of the Patient with 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

*RT250 Clinical Practice III may be substituted for RT255 and RT260.

**Respiratory Therapist (three-year) Associate Degree Suggested Course Sequence:**

*Freshman Year (Fall)  
Analytical Reading and Writing  
Credits 3
Critical Thinking/Prob. Solv. Math 3
General Chemistry I 4
Biology I 4
**14**

*Freshman Year (Spring)*  
Academic Writing 3
Human Communication 3
Information Literacy 2
General Chemistry II 4
Medical Terminology 1
Introduction to Allied Health 1
**14**

*Summer*  
Basic Science for Respiratory Care (10 weeks) 3
Area I Distribution Requirement 3
**6**

*Sophomore Year (Fall)*  
Anatomy and Physiology I 4
Area V Distribution Requirement 3
Bronchopulmonary Hygiene 3
Oxygen Therapy and CPR 3
Clinical Practice I 1
**14**

*Sophomore Year (Spring)*  
Anatomy and Physiology II 4
Pulmonary Function Testing 2
Mechanical Ventilation 4
Pediatric Respiratory Care 2
Clinical Practice II 2
**14**

*Summer*  
Patient Evaluation (10 weeks) 2
Clinical Practice IV (10 weeks) 1
Area II Distribution Requirement 3
**6**

*Junior Year (Fall)*  
General Physics I 4
Pulmonary Physiology 3
Clinical Practice V 1
Area IV Distribution Requirement  3  
Pulmonary Disease  3  
Physical Education  1  
\[ \text{Credits} \quad 15 \]

**Junior Year (Spring)**  
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>Cardiac Physiology</td>
<td>2</td>
</tr>
<tr>
<td>Clinical Practice VI</td>
<td>1</td>
</tr>
<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

**Summer**  
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Practice VII (10 weeks)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

**Required Courses for Biological Sciences Associate Degree:**

- 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

**Biological Sciences Associate Degree Suggested Course Sequence:**

### Freshmen 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>Applied Calculus</td>
<td>3</td>
</tr>
<tr>
<td>Biology I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>General Chemistry I &amp; II</td>
<td>8</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</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>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
</tr>
</tbody>
</table>
Area IV Distribution Requirement 3
Area V Distribution Requirement 3
Biology Electives 8
Physical Education 2
Free Electives 6
35

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 two capstone courses. Business Strategy is designed to integrate all areas of a student’s learning into a business strategy, policy making, and analysis framework. Integrated Business Experience is an experiential course designed to engage students in a comprehensive hands-on evaluation of an organization to gain greater understanding of optimal business flow and function. 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:

- Master of Business Administration Degree (MBA)
- Bachelor of Science Degree (BS) with majors in Accounting, Business Administration, Computer Information Systems, Economics, Engineering Management, Entrepreneurship, Finance, Management, Marketing, and Supply Chain Operations Management
- 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, Continuous Improvement, Finance, General Business,
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 York College’s website.

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 on the College’s website.

BACCALAUREATE DEGREE PROGRAMS

Baccalaureate degree programs are available in Accounting, Business Administration, Computer Information Systems, Economics, Engineering Management, Entrepreneurship, Finance, Management, Marketing, and Supply Chain Operations Management. 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 three 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 courses—BUS 494 and 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 127 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 courses (BUS494 and BUS495). Students graduating with a declared major in Accounting may not simultaneously declare a minor in Accounting.

**Required Courses for Accounting Major:**

**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
- BUS260 Legal Environment of Business
- QBA260 Business Statistics I
- FIN300 Managerial Finance I
- IFS305 Management Information Systems
- QBA265 Business Statistics II
- MGT350 Operations Management
- BUS494 Integrated Business Experience
- 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
- ACC350 Accounting Ethics
- BUS360 Business and Commercial Law
- ACC410 Auditing**
- ACC420 Advanced Accounting

*Course fulfills a General Education Requirement.

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

**Accounting 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 <strong>OR</strong> 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 Freshman Year Credits:</strong></td>
<td>32-36</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</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 and II</td>
<td>6</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>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Sophomore Year Credits:</strong></td>
<td>30-31</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year</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 and Commercial Law</td>
<td>3</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>
</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 127 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 courses (BUS494 and BUS495). Students graduating with a declared major in Business Administration may not simultaneously declare a Business Administration minor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting Ethics</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>
<td>2</td>
</tr>
<tr>
<td><strong>Senior Year</strong></td>
<td><strong>32</strong></td>
</tr>
<tr>
<td>Advanced Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Auditing</td>
<td>3</td>
</tr>
<tr>
<td>Integrated Business Experience</td>
<td>3</td>
</tr>
<tr>
<td>Business Policy</td>
<td>3</td>
</tr>
<tr>
<td>Accounting Elective</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Required Electives</td>
<td>12</td>
</tr>
<tr>
<td>International Business Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Senior Year</strong></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>
**Required Courses for the Business Administration Major:**

**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
- BUS260  Legal Environment of Business
- QBA260  Business Statistics I
- QBA265  Business Statistics II
- FIN300  Managerial Finance I
- IFS305  Management Information Systems
- MGT350  Operations Management**
- BUS494  Integrated Business Experience
- BUS495  Business Strategy and Policy**

**International Business Elective (choose one)**

- IBS361  Global Supply Chain Management
- IBS370  International Marketing
- IBS375  International Management
- IBS401  International Economics
- IBS405  International Finance

**Additional Business Electives (24 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

*Course fulfills a General Education Requirement.

**Course is designated as a writing/communications-intensive course.
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>
</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>
<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>
<tr>
<td><strong>Total</strong></td>
<td><strong>32-36</strong></td>
</tr>
</tbody>
</table>

**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>Business Statistics I and II</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</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 127 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 courses, BUS494 and BUS495. Students graduating with a declared major in Computer Information Systems may not simultaneously declare a minor in Information Systems.
**Required Courses for Computer Information Systems Major:**

General Business Component Courses

- MAT120  Applied Calculus*
- MKT100  Principles of Marketing
- MGT150  Principles of Management**
- IBS200  Introduction to International Business
- ECO200  Principles of Economics-Macro*
- ECO201  Principles of Economics-Micro*
- ACC220  Financial Accounting
- ACC225  Managerial Accounting
- BUS260  Legal Environment of Business
- QBA260  Business Statistics I
- QBA265  Business Statistics II
- FIN300  Managerial Finance I
- IFS305  Management Information Systems
- MGT350  Operations Management**
- BUS494  Integrated Business Experience
- 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:**

<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 <strong>OR (AND)</strong></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>
</tbody>
</table>

*Course fulfills a General Education or Area Distribution Requirement.

**Course is designated as a writing/communications-intensive course.
Principles of Management 3
Information Literacy 2
Human Communication 3
Area I Distribution Requirement 3
Area IV Distribution Requirement 3
Area V Distribution Requirement 3
\[32-35\]

**Sophomore Year**

**Credits**
Principles of Economics 6
Financial Accounting 3
Managerial Accounting 3
Business Statistics I and II 6
Programming for Business Applications 3
Intro to Database 3
Area I Distribution Requirement 3
Area III Distribution Requirement 3-4
Physical Education 1
\[31-32\]

**Junior Year**

**Credits**
Operations Management 3
Legal Environment of Business 3
Managerial Finance 3
Introduction to Networks 3
Management Information Systems 3
Network Services Design 3
Web Development 3
Introduction to International Business 3
Area IV Distribution Requirement 3
Area V Distribution Requirement 3
Physical Education 1
\[31-32\]

**Senior Year**

**Credits**
Project Management 3
Data Mining 3
Area III Distribution Requirement 3-4
E-Commerce 3
Info Security and Ethics 3
Integrated Business Experience 3
Business Strategy and Policy 3
Required Electives 12
\[33-34\]
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 127 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 courses (BUS494 and 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 graduating with a declared major in Economics may not simultaneously declare a minor in Economics.

Required Courses for Economics Major:

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>FIN300</td>
<td>Managerial Finance I</td>
</tr>
<tr>
<td>IFS305</td>
<td>Management Information Systems</td>
</tr>
<tr>
<td>BUS260</td>
<td>Legal Environment of Business</td>
</tr>
</tbody>
</table>

*Course fulfills a General Education Requirement.

**Course is designated as a writing/communications-intensive course.
MGT350  Operations Management**
BUS494  Integrated Business Experience
BUS495  Business Strategy**
IBS401  International Economics

Economics Component Courses
QBA315  Research Methods in Business
ECO360  Intermediate Macroeconomics
ECO350  Intermediate Microeconomics
ECO370  Money and Banking
ECO450  Economics Seminar

Choose five elective courses from:
ECO300  Economic Perspectives
ECO325  Mathematical Economics
ECO340  Economic Development
ECO345  The Economics of Urban Revitalization
ECO375  History of Economic Thought
ECO390  Managerial Economics
FIN310  Real Estate Finance
FIN340  Financial Institutions and Markets
BUS360  Business and Commercial Law
ECO490/491  Economics Internship
BUS498/499  Independent Study
PS352  Introduction to Public Finance
SOC220  American Social Problems

**Economics 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>
<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>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>
</tbody>
</table>

32-35

**Course is designated as a writing/communications-intensive course.
**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>Required 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>3-4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31-32</strong></td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legal Environment of Business</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>3-4</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</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>International Economics</td>
<td>3</td>
</tr>
<tr>
<td>Integrated Business Experience</td>
<td>3</td>
</tr>
<tr>
<td>Business Strategy and Policy</td>
<td>3</td>
</tr>
<tr>
<td>Economics and Finance Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Economics Electives</td>
<td>12</td>
</tr>
<tr>
<td>Required Electives</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>33</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 General Business Component and maintain a 2.0 average in the Engineering Management Component. Students must also earn a 2.0 or higher in their senior capstone courses, BUS494 and BUS495.

Required Courses for Engineering Management Major:

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 (39 credits)

- MKT100 Principles of Marketing
- MGT150 Principles of Management
- ACC220 Financial Accounting
- ACC225 Managerial Accounting

*Physics courses fulfill Area III Distribution Requirement.
Economics courses fulfill Area II Distribution Requirement.

**Economics courses fulfill Area II Distribution Requirement.**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO200</td>
<td>Principles of Economics-Macroeconomics**</td>
</tr>
<tr>
<td>ECO201</td>
<td>Principles of Economics-Microeconomics**</td>
</tr>
<tr>
<td>BUS260</td>
<td>Legal Environment of Business</td>
</tr>
<tr>
<td>FIN300</td>
<td>Managerial Finance I</td>
</tr>
<tr>
<td>IFS305</td>
<td>Management Information Systems</td>
</tr>
<tr>
<td>MGT350</td>
<td>Operations Management</td>
</tr>
<tr>
<td>BUS494</td>
<td>Integrated Business Experience</td>
</tr>
<tr>
<td>BUS495</td>
<td>Business Strategy and Policy</td>
</tr>
<tr>
<td>IBS361</td>
<td>Global Supply Chain Management</td>
</tr>
</tbody>
</table>

**Engineering Management Component (6 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT355</td>
<td>Business Process Management</td>
</tr>
</tbody>
</table>

Choose one elective from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT310</td>
<td>Lean Systems</td>
</tr>
<tr>
<td>QBA310</td>
<td>Management Science</td>
</tr>
<tr>
<td>IFS435</td>
<td>Project Management</td>
</tr>
<tr>
<td>MGT495</td>
<td>Continuous Improvement Consulting</td>
</tr>
</tbody>
</table>

**Engineering Component (22-27 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGR100</td>
<td>EPADS I</td>
</tr>
<tr>
<td>ECE280</td>
<td>Fund Electrical Engineering</td>
</tr>
</tbody>
</table>

Select one of the following sequences:

**Electrical Engineering**

**OR**

**Mechanical Engineering**

**Electrical Engineering**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS101</td>
<td>Fund of Computer Science I</td>
</tr>
<tr>
<td>CS201</td>
<td>Fund of Computer Science II</td>
</tr>
<tr>
<td>ECE220</td>
<td>D &amp; A Digital Systems</td>
</tr>
<tr>
<td>ECE260</td>
<td>Fund Comp Engineering</td>
</tr>
<tr>
<td>ECE270</td>
<td>Waves &amp; Optics</td>
</tr>
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</table>

Choose one course from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS420</td>
<td>Operating Systems</td>
</tr>
<tr>
<td>ECE310</td>
<td>D &amp; A of Analog</td>
</tr>
<tr>
<td>ECE332</td>
<td>Intro to Signal Processing</td>
</tr>
<tr>
<td>ECE360</td>
<td>Power Systems</td>
</tr>
<tr>
<td>EGR342</td>
<td>System Modeling and Analysis</td>
</tr>
</tbody>
</table>

**Economics courses fulfill Area II Distribution Requirement.**
Mechanical Engineering

ME250  Statics
ME264  Strength of Materials
ME265  Materials and Solids Lab
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
EGR342/ME351  Systems Modeling and Lab
ME360/361  Fluid Mechanics and Lab
ME480  Independent Study
EGR290 and EGR491  Co-Operative Learning

Engineering Management Suggested Course Sequence:

Freshman Year  Credits
Analytical Reading and Writing  3
Academic Writing  3
Information Literacy  2
Calculus I and II  8
EPADS I  2
Human Communication  3
Area Distribution Requirements  3
Principles of Marketing  3
Principles of Management  3
Physical Education  1
CS101  2 (if Electrical Engineering option)

Sophomore Year  Credits
Engineering Physics  5
Required Elective  3
Differential Equations  4
Managerial Accounting  3
Financial Accounting  3
Principles of Economics  6
Area Distribution Requirement OR  3
Fund of Computer Science II  4
Statics OR  3
Area Distribution Requirement  3
Statistical Design and Process Control OR  3
D & A Digital Systems  4
Physical Education  1

34-36
### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legal Environment of Business</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>Required Elective</td>
<td>3</td>
</tr>
<tr>
<td>Strength of Materials and Lab OR</td>
<td></td>
</tr>
<tr>
<td>Fund Comp Engineering</td>
<td>4</td>
</tr>
<tr>
<td>Foundation of Electrical Engineering and Lab</td>
<td>4</td>
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<tr>
<td>Engineering Physics</td>
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<td><strong>Total</strong></td>
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### Senior Year

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Business Process Management</td>
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<tr>
<td>Global Supply Chain Management</td>
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<tr>
<td>Business Electives</td>
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<tr>
<td>Integrative Business Experience</td>
<td>3</td>
</tr>
<tr>
<td>Business Strategy</td>
<td>3</td>
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<tr>
<td>Area Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Thermodynamics OR</td>
<td></td>
</tr>
<tr>
<td>Waves &amp; Optics</td>
<td>3</td>
</tr>
<tr>
<td>Engineering Elective</td>
<td>3-4</td>
</tr>
<tr>
<td>Required Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>34-35</strong></td>
</tr>
</tbody>
</table>

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**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 workforce. 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 127 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 courses, BUS494 and ENT495. Students graduating with a declared major in Entrepreneurship may not simultaneously declare a minor in Entrepreneurship.

**Required Courses for Entrepreneurship Major:**

General Business Component Courses

- MAT120 Applied Calculus*
- MKT100 Principles of Marketing
- MGT150 Principles of Management**
- IBS200 Intro to International Business
- ECO200 Principles of Economics - Macro*
- ECO201 Principles of Economics - Micro*
- ACC220 Financial Accounting
- ACC225 Managerial Accounting
- QBA260 Business Statistics I
- QBA265 Business Statistics II
- BUS260 Legal Environment of Business
- IFS305 Management Information Systems**
- FIN300 Managerial Finance I
- MGT350 Operations Management**
- BUS494 Integrated Business Experience
- ENT495 Business Plan Writing**

Entrepreneurship Component Courses

- ENT150 Introduction to Entrepreneurship
- MKT210 Market Measurement
- ENT220 Entrepreneurial Marketplace
- ENT260 Entrepreneurship and Small Business Management
- ENT350 Creativity and Innovation

*Course fulfills a General Education Requirement.
**Course is designated as a writing/communications-intensive course.
BUS360  Business and Commercial Law
ENT360  Financing Entrepreneurship Ventures
ENT450  Small Business Consulting

Entrepreneurship Electives — two of the following:

ENT490  Entrepreneurship Internship
MKT335  New Product Planning & Marketing
MKT355  E-Marketing
G361    Intro to Geographic Info Systems
ENT470, 472, 474  Special Topics

Entrepreneurship 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)**</td>
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</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>Introduction to Entrepreneurship</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>
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</tr>
<tr>
<td></td>
<td>32-35</td>
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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>Intro to International Business</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>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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<tr>
<td></td>
<td>31</td>
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</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>Business and Commercial Law</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>6-8</td>
</tr>
</tbody>
</table>
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 127 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 their senior capstone courses, BUS494 and BUS495. Students graduating with a declared major in Finance may not simultaneously declare a minor in Finance.
Required Courses for Finance Major:

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
- BUS260 Legal Environment of Business
- QBA260 Business Statistics I
- QBA265 Business Statistics II
- FIN300 Managerial Finance
- IFS305 Management Info Systems
- MGT350 Operations Management**
- BUS494 Integrated Business Experience
- BUS495 Business Strategy and Policy**
- IBS405 International Finance

Finance Component Courses

- QBA315 Research Methods in Business
- FIN320 Investments
- FIN340 Financial Institutions
- ECO390 Managerial Economics
- FIN410 Managerial Finance II
- FIN450 Finance Seminar**

Four elective courses chosen from the following:

- ACC305 Taxation I
- ACC320 Intermediate Accounting I
- BUS360 Business and Commercial Law
- ECO360 Intermediate Macroeconomics
- ENT360 Financing Entrepreneurial Ventures
- IBS401 International Economics
- FIN310 Real Estate Finance
- FIN330 Risk Management and Insurance
- PS352 Introduction to Public Finance
- FIN420 Derivative Securities
- FIN490/491 Finance Internship
- BUS498/499 Independent Study

*Course fulfills a General Education Requirement.
**Course is designated as a writing/communications-intensive course.
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 <strong>OR</strong></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>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>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>32-36</strong></td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Financial Accounting</td>
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<tr>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td>Business Statistics I and II</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
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</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Required Elective</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
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</tr>
<tr>
<td>Management Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>Research Methods in Business</td>
<td>3</td>
</tr>
<tr>
<td>Investments</td>
<td>3</td>
</tr>
<tr>
<td>Managerial Finance I</td>
<td>3</td>
</tr>
<tr>
<td>Financial Institutions</td>
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<td>Managerial Economics</td>
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<td>Finance Elective</td>
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<tr>
<td>Operations Management</td>
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<tr>
<td>Physical Education</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>
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 127 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 courses, BUS494 and BUS495. Students graduating with a declared major in Management may not simultaneously declare a minor in Management.

Required Courses for Management Major:

General Business Component Courses

MAT120  Applied Calculus*

*Course fulfills a General Education Requirement.
MKT100 Principles of Marketing
MGT150 Principles of Management
ECO200 Principles of Economics-Macro*
ECO201 Principles of Economics-Micro*
ACC220 Financial Accounting
ACC225 Managerial Accounting
BUS260 Legal Environment of Business
QBA260 Business Statistics I
QBA265 Business Statistics II
IFS305 Management Information Systems
FIN300 Managerial Finance I
MGT350 Operations Management**
BUS494 Integrated Business Experience
BUS495 Business Strategy and Policy**
IBS375 International Management

Management Component Courses

BUS150 Introduction to Business
OBD280 Leadership and Change
QBA315 Research Methods in Business
MGT445 Ethical Leadership & Social Responsibility in Organizations**

Management Electives Sequence: choose one option

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

*Course fulfills a General Education Requirement.
**Course is designated as a writing/communications-intensive course.
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 13-15 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>
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</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>
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<tr>
<td>Information Literacy</td>
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<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>32 -35</strong></td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Economics</td>
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<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>
<td>1</td>
</tr>
<tr>
<td><strong>31</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Junior Year</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>Legal Environment of Business</td>
<td>3</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 127 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 courses, BUS494 and BUS495. Students graduating with a declared major in Marketing may not simultaneously declare a minor in Marketing.
**Required Courses for Marketing Major:**

**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
- BUS260 Legal Environment of Business
- QBA260 Business Statistics I
- FIN300 Managerial Finance I
- IFS305 Management Information Systems
- QBA265 Business Statistics II
- MGT350 Operations Management**
- BUS494 Integrated Business Experience
- BUS495 Business Strategy and Policy**
- IBS370 International Marketing

**Marketing Component Courses**

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

**Marketing Elective Sequence:** Choose one of the following options. Five Marketing courses are required to fulfill this elective sequence, but you may elect to complete a minor by taking additional coursework as indicated toward your required electives. **NOTE:** MKT prefix courses count as marketing electives, ART and CM prefix courses count as required electives only.

**Advertising Minor**

- MKT330 Advertising
- MKT360 Consumer Behavior
- MKT390 Advanced Advertising
- Two electives from ART110, ART134, ART215, ART246, CM120

**Retailing Minor**

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

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*C* Course fulfills a General Education Requirement.

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

Marketing Management Minor

MKT335  New Product Planning
MKT340  Logistics
MKT350  Business Marketing
MKT380  Sales Management

Hospitality Marketing Minor

CM221  Introduction to Public Relations
CM324  Event Marketing
MKT325  Hospitality Marketing
MKT345  Tourism 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>
<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>3</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>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Required Elective</td>
<td></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>Market Measurement and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>Marketing Elective</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>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>31-32</strong></td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legal Environment of Business</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>
<tr>
<td><strong>Total Credits</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>Integrated Business Experience</td>
<td>3</td>
</tr>
<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>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>33-34</strong></td>
</tr>
</tbody>
</table>

### Bachelor of Science Degree with a Major in Supply Chain Operations Management

The Supply Chain Operations Management major prepares the business professional for managing and improving global supply chains. Supply chains consist of the various suppliers, vendors, transportation companies, manufacturing and/or service centers, distribution centers, and retailer/service outlets that create and deliver the product or service to the consumer. Shrinking product life cycles and greater expectations of customers have led businesses to focus on their supply chain, improving both its capacity and efficiency. Similar to the conductor of a symphony orchestra, Supply
Chain Managers coordinate the plans and activities of the various supply chain members to deliver a quality product/service at the lowest total cost. As business becomes more complex and globalized, there is a demand for professionals with the skills to facilitate these results. Today’s globally competitive markets have challenged businesses to re-evaluate their business practices. Successful companies now recognize that the competition for consumers is no longer business versus business, but supply chain vs. supply chain. The York College Supply Chain Operations Management major equips students with the necessary skills to analyze, identify and implement improvements to processes throughout the supply chain. This is an interdisciplinary program that merges courses from Operations Management, Information Systems, Marketing, and International Business. First and second year students focus on courses in business management, establishing a firm understanding of business operations that apply to all members of the supply chain. Third year students begin focusing on operating principles, information systems, and the business process improvement knowledge and skills needed to interface with and coordinate operations across the various elements of the supply chain. Fourth year students develop depth in these skills, with options to focus on a specific element(s) of the supply chain as well as preparing to take professional certification exams through the use of directed study courses.

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Supply Chain Operations Management must complete a minimum of 127 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 Supply Chain Operations Management must maintain a 2.0 average in the General Business Component Courses, a 2.0 average in the Supply Chain Operations 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 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 courses, BUS 494 and BUS495. Students graduating with a declared major in Supply Chain Operations Management may not simultaneously declare a minor in Operations Management.

**Required Courses for Supply Chain Operations Management Major:**

General Business Component Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>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>
</tbody>
</table>

*Course fulfills a General Education Requirement.
ACC220  Financial Accounting
ACC225  Managerial Accounting
BUS260  Legal Environment of Business
QBA260  Business Statistics I
QBA265  Business Statistics II
FIN300  Managerial Finance I
IFS305  Management Information Systems
MGT350  Operations Management
BUS494  Integrated Business Experience
BUS495  Business Strategy and Policy
IBS361  Global Supply Chain Management

Supply Chain Operations Management Component Courses
MGT305  Total Quality Management
MGT310  Lean Systems
MKT340  Logistics
MGT355  Business Process Management
MGT365  Purchasing Management
MGT460  Advanced Operations Management
MGT495  Continuous Improvement Consulting OR
MGT490  Management Internship

Three of the following:
QBA310  Management Science
MKT335  New Product Planning
ACC375  Advanced Managerial Accounting
OBD345  Organizational Theory
MGT349  Service Operations

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

Supply Chain Operations 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>IT Competency Exam OR (AND)</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>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>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></td>
<td>32-35</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>Required Elective</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td>3-4</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>32-33</strong></td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legal Environment of Business</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>Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>Total Quality Management</td>
<td>3</td>
</tr>
<tr>
<td>Logistics</td>
<td>3</td>
</tr>
<tr>
<td>Purchasing Management</td>
<td>3</td>
</tr>
<tr>
<td>Business Process 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><strong>Total</strong></td>
<td><strong>33-34</strong></td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrated Business Experience</td>
<td>3</td>
</tr>
<tr>
<td>Business Strategy and Policy</td>
<td>3</td>
</tr>
<tr>
<td>Global Supply Chain Management</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Operations</td>
<td>3</td>
</tr>
<tr>
<td>Lean Systems</td>
<td>3</td>
</tr>
<tr>
<td>Supply Chain Operations Management Electives</td>
<td>9</td>
</tr>
<tr>
<td>Continuous Improvement Consulting or Internship</td>
<td>3</td>
</tr>
<tr>
<td>Required Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

**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.

**Required Courses for Business Administration Major:**

Business Administration Component Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<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>Intro 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>BUS260</td>
<td>Legal Environment of Business</td>
</tr>
<tr>
<td>QBA260</td>
<td>Business Statistics I</td>
</tr>
</tbody>
</table>

Two Business Electives (A Business elective is any course offered in the Department of Business Administration with the following prefixes: ACC, BUS, ECO, ENT, 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 6 credits

**Business Administration Associate Degree 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 <strong>OR</strong></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>
</tbody>
</table>

*Course fulfills a General Education Requirement.
Human Communication 3
Principles of Marketing 3
Area I Distribution Requirement 3
Principles of Management 3
Area V Distribution Requirement 3
Required Electives 6

32-35

Sophomore Year
Intro to International Business 3
Principles of Economics 6
Financial Accounting 3
Managerial Accounting 3
Business Statistics I 3
Legal Environment of Business 3
Business Electives 6
Area IV Distribution Requirement 3
Area III Distribution Requirement 3-4
Physical Education 2

35-36

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 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 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.

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)
- BUS260 Legal Environment of Business
One Business Elective (A Business elective is any course beginning with prefixes ACC, BUS, ECO, ENT, FIN, IBS, 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
- IBS401  International Economics

Plus one of the following:

- ECO300  Economic Perspectives
- ECO345  The Economics of Urban Revitalization
- ECO350  Intermediate Microeconomics
- ECO490  Economic Internship
- BUS498  Independent Study

**Minor in Entrepreneurship**

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.
**Requirements of the Entrepreneurship Minor (18 credits):**

- 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:

- MKT210  Market Measurement
- ENT350  Creativity and Innovation
- ENT470, 472, 474  Seminar in Entrepreneurship

**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
- BUS360  Business and Commercial Law
- ECO360  Intermediate Macroeconomics
- ENT360  Financing Entrepreneurial Ventures
- 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):

- IFS175  Development Fundamentals
- IFS225  Programming Business Applications

Two 300-level courses
   (Choose from IFS305, IFS320, IFS325, IFS335)
Two 400-level courses
   (Choose from IFS435, IFS465, IFS475, IFS490)

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
   BUS260  Legal Environment of Business
   PS307  International Law

One course from the following (3 credits)
   PS302  International Relations
   G332  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
- IBS401 International Economics

Select one course from the following:

- PS302 International Relations
- G332 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  New Product Planning & Marketing
- MKT355  E-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 Communications**

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
- MKT330 Advertising
- MKT355 E-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
- MKT335 New Product Planning
- MKT340 Logistics
- MKT350 Business Marketing
- MKT380 Sales Management

Minor in Not-For-Profit Management

The minor in Not-For-Profit Management provides students with the opportunity to learn about the similarities and differences between for-profit and not-for-profit organizations and the management competencies needed for each while developing their leadership capabilities. The not-for-profit sector offers a wide variety of career paths that are often overlooked by students. This minor will provide an opportunity for qualified students to apply their academic learning in service to the community through a competitive internship. However, an internship is not required to fulfill the minor requirements.

Requirements for Not-For-Profit Management Minor (18 credits):

- SOC100 Introduction to Sociology
- MGT150 Principles of Management
- OBD280 Leadership and Change
- BUS350 Management of Not-For-Profit Organizations
Choose two of the following:

- SOC355 Design and Evaluation of Social Programs
- SOC415 Grant Writing
- MGT445 Ethical Leadership

Internship in Not-For-Profit Organization

**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 18 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 (18 credits):**

- MGT150 Principles of Management
- MGT310 Lean Systems
- MGT350 Operations Management
- MGT355 Business Process Management
- IBS361 Global Supply Chain Management
- MGT460 Advanced Operations Management

**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
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 E-Marketing

Two courses chosen from the following:

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

TRANSFORMING THE FUTURE BY INSPIRING EXCELLENCE IN EDUCATION

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 Early Childhood Education (Pre-K-4), Middle Level Education (4-8), Early Childhood Education (Pre-K-4)/Special Education (N-8), Music Education (K-12), Spanish 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

Early Childhood Education, Middle Level Education, Early Childhood Education/Special Education, Music Education, Spanish 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 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.
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 151), 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, ECH495/MLE495/SPE495/SE404. 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 EDU200 Introduction to American Education, EDU210 Educational Technology, and early placement in a Field Experience, freshmen do not normally participate in coursework in the professional Education block (designated by an ECH, MLE 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 (preferably a 3.0 or higher) within the first 48 credits at York College of Pennsylvania.
2. Successful completion of WRT102, WRT202, two math courses, EDU200 and EDU210 with a minimum grade of 3 in each course.
3. Acceptable performance on the PRAXIS I reading, writing, and mathematics exams. (This includes transfer students.)
4. Evidence of successful completion of 30 hours or Stage 1 & Stage 2 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 Pre-K-12 classroom prior to student teaching is confirmed through the opportunities provided by the Field Experience Program. Specifically, there is a mandatory experience required of all those who seek teacher certification.

Each candidate is to accumulate a minimum of 190 hours of Field Experience time. This entails working with students in an educational 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 complete 190 hours prior to the Student Teaching Semester.

Retention in the Program

Retention in the Program is based upon the following criteria:

1. An overall minimum GPA of 2.80 (preferably 3.0 or higher) 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 cumulative GPA of 3.00 or higher, have completed hours of Field Experience, have successfully completed the PRAXIS I PPST Writing, Reading and Mathematics Exams and been approved for Pre-Professional Educator Status the semester prior to submitting the Student Teaching application. 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 190 hours of Field Experience
3. Successful completion of all courses as designated on departmental worksheets.
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
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.

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 ECH/MLE/SPE480, SE405; 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 two semesters have 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, two math courses, and EDU200 and EDU210 (must be taken at York College), successfully completed the PRAXIS I 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, two math courses, EDU200, EDU210, and successfully complete the PRAXIS I 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 ECH/MLE or SE may be scheduled until the student is officially accepted as an Education major. EDU200 Introduction to American Education, EDU210 Educational 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 Introduction to American Education, Community & Legal Issues, Student Teaching, Student Teaching Practicum, Directed Professional Educational Experience, Professional Development, and Student Assistance Seminar. 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 Early Childhood Education, Middle Level Education, Early Childhood Education/Special Education, Music Education, Spanish 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 (ECH475/MLE475/SPE475/SE416) 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, 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 Early Childhood Education
Bachelor of Science in Middle Level Education
Bachelor of Science in Early Childhood 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 Arts in Spanish Education
Bachelor of Science in Sport Management

Bachelor of Science Degree in Early Childhood Education

Requirements for Graduation:

To be eligible for graduation, students majoring in Early Childhood Education must complete all program requirements including a minimum of 127 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 six courses—two English courses, and two math courses (specific course names are specified on the appropriate Education worksheet), EDU200 Intro to American Education, and EDU210 Educational Technology. 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 Early Childhood Education will be required to have 190 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 Early Childhood Education Major:**

Required Major Coursework Meeting Certification Standards

- BIO110 General Biology OR
- BIO120 Field Natural History OR
- BIO124 Oceanography OR
- BIO150 Biology I OR
- 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** PSC152 OR PSC154 Physical Science

- LIT xxx Literature Elective (Any American or British)
- G243 Introduction to Geography
- H111 History of American Civilization I OR
- H112 History of American Civilization II
- MAT105 or higher
- PSY100 General Psychology
- PSY223 Developmental Psychology
- SOC100 Introduction to Sociology

**Pre-Professional Education Coursework**

- EDU210 Educational Technology
- EDU200 Introduction to American Education (must be taken at York College)
- EDU230 Elementary Curriculum with Music & Art
- EDU370 Psychology of Teaching/Elementary Education
- SPE200 Special Education Processes & Procedures

**Professional Preparation Courses**

- ECH300 Teaching Elementary Language Arts
- ECH305 Foundations of Reading Instruction
- ECH310 Diagnostic and Remedial Reading
- ECH315 Teaching Elementary Social Studies
- EDU230 Physical Education/Health in the Elementary Classroom
182 Programs of Study

ECH320 Teaching Elementary Mathematics
ECH330 Teaching Science in the Elementary School
EDU335 Instructional Needs of English Language Learners
EDU450 Curriculum Instruction & Assessment
EDU480 Community and Legal Issues in Education¹
EDU470 Professional Development
SPE300 Effective Instructional Methods
SPE301 Literacy Development

Student Teaching Semester ²,³

ECH495 Student Teaching
ECH485 Practicum in Student Teaching
ECH490 Selected Topics in Education
OR Alternate Professional Semester
ECH475 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.
³EDU480 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 the beginning of the Student Teaching Semester.
⁵Taken as an option to ECH495 by students seeking the degree without certification.

Early Childhood Education 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>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Sets and Number Systems</td>
<td>3</td>
</tr>
<tr>
<td>Second Math Course</td>
<td>3</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 (EDU200)</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>Educational Technology (EDU210)</td>
<td>3</td>
</tr>
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<td></td>
<td>33</td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Science</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>Elementary Curriculum with Music &amp; Art (EDU230)</td>
<td>3</td>
</tr>
</tbody>
</table>
Area V Distribution Requirement 3
Literature 3
History of American Civilization 3
Special Education Processes & Procedures 3
33-35

**Junior Year**

Teaching Elementary Language Arts (ECH300) 3
Diagnostic & Remedial Reading (ECH305) 3
Area V Distribution Requirement 3
Developmental Psychology 3
Psychology of Teaching & Learning (EDU370) 3
Foundations of Reading (ECH305) 3
Physical Education 1
Teaching Elementary Social Studies (ECH315) 3
Teaching Elementary Math (ECH320) 3
Physical Education/Health in the Elementary Classroom (EDU320) 3
Curriculum Instruction & Assessment 3
Instructional Needs of English Language Learners 3
34

**Senior Year**

Effective Instructional Methods 3
Teaching Elementary Science (ECH330) 3
Professional Development (EDU470) 3
Literacy Development 3
Community and Legal Issues in Education (EDU480) 3
15

**Student Teaching Semester (3.0 GPA or higher required)** 12
Student Teaching (ECH495)
Selected Topics (ECH490)
Practicum in Student Teaching (ECH485)

**OR**

**Alternate Professional Semester**

Directed Professional Educational Semester (ECH475) 1-4
Other selected academic courses 8-11
21-27
Bachelor of Science Degree in Middle Level Education

Requirements for Graduation:

To be eligible for graduation, students majoring in Middle Level Education must complete all program requirements including a minimum of 143-152 credits, depending on the concentration area, 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. The concentration area choices are; English, Mathematics, Science, or Social Studies.

In addition, students majoring in Education must achieve a grade of 3.0 or higher in each of the following six courses—two English courses, two math courses (specific course names are specified on the appropriate Education worksheet), EDU200 Introduction to American Education, and EDU210 Educational Technology. 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 Middle Level Education will be required to have 190 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 Middle Level Education-English Major:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>LIT200</td>
<td>Perspectives in Literature</td>
</tr>
<tr>
<td>G243</td>
<td>Introduction to Geography</td>
</tr>
<tr>
<td>H111</td>
<td>History of American Civilization I OR</td>
</tr>
<tr>
<td>H112</td>
<td>History of American Civilization II</td>
</tr>
<tr>
<td>MAT115</td>
<td>Sets/Number Systems</td>
</tr>
<tr>
<td>MAT215</td>
<td>Sets/Number Systems II</td>
</tr>
<tr>
<td>PSY100</td>
<td>General Psychology</td>
</tr>
<tr>
<td>PSY221</td>
<td>Child/Adolescent Development</td>
</tr>
</tbody>
</table>

**Concentration Areas**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT310</td>
<td>Language/Linguistics</td>
</tr>
<tr>
<td>WRT290</td>
<td>Teach/Tutor Writing</td>
</tr>
<tr>
<td>WRT315</td>
<td>Advanced Composition</td>
</tr>
<tr>
<td>LIT270</td>
<td>Young Adult Literature</td>
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</tbody>
</table>

**Generalist Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>BIO120</td>
<td>Field Natural History</td>
</tr>
<tr>
<td>BIO150</td>
<td>Biology I</td>
</tr>
<tr>
<td>ESS152</td>
<td>Earth Space Science</td>
</tr>
<tr>
<td>MAT260</td>
<td>Linear Algebra</td>
</tr>
</tbody>
</table>

**Pre-Professional Education Coursework**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>ED210</td>
<td>Educational Technology</td>
</tr>
<tr>
<td>ED200</td>
<td>Introduction to American Education (must be taken at York College)</td>
</tr>
</tbody>
</table>
EDU230  Elementary Curriculum with Music & Art
EDU370  Psychology of Teaching/Elementary Education
SPE200  Special Education Processes & Procedures

**Professional Preparation Courses**

MLE300  Teaching Elementary Language Arts
MLE305  Foundations of Reading Instruction
MLE310  Diagnostic and Remedial Reading
MLE315  Teaching Elementary Social Studies
EDU320  Physical Education/Health in the Elementary Classroom¹
MLE320  Teaching Mathematics
MLE330  Teaching Science in the Elementary School
EDU335  Instructional Needs of English Language Learners
EDU450  Curriculum Instruction & Assessment
EDU480  Community and Legal Issues in Education³
EDU470  Professional Development
SPE300  Effective Instructional Methods
SPE301  Literacy Development

**Student Teaching Semester**²,⁴

MLE495  Student Teaching
MLE485  Practicum in Student Teaching
MLE490  Selected Topics in Education

**OR Alternate Professional Semester**

MLE475  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.
³EDU480 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 the beginning of the Student Teaching Semester.
⁵Taken as an option to MLE495 by students seeking the degree without certification.

**Required Courses in Middle Level Education-Math Major:**

LIT200  Perspectives in Literature
G243  Introduction to Geography
H111  History of American Civilization I OR
H112  History of American Civilization II
MAT115  Sets/Number Systems
MAT215  Sets/Number Systems II
PSY100  General Psychology
PSY221  Child/Adol. Development

**Concentration Areas**

MAT171  Calculus I
MAT172  Calculus II
MAT250 OR MAT350  Elements of Statistics  
MAT260  Linear Algebra  
MAT340 OR MAT345  Intro to Geometry  
MAT355  Math Standards  
MAT495  History of Mathematics  

Generalist Courses  
BIO120  Field Natural History  
BIO150  Biology I  
ESS152  Earth Space Science  
WRT290  Teach/Tutor Writing  

Pre-Professional Education Coursework  
ED210  Educational Technology  
ED200  Introduction to American Education (must be taken at York College)  
EDU230  Elementary Curriculum with Music & Art  
EDU370  Psychology of Teaching/Elementary Education  
SPE200  Special Education Processes & Procedures  

Professional Preparation Courses  
MLE300  Teaching Elementary Language Arts  
MLE305  Foundations of Reading Instruction  
MLE310  Diagnostic and Remedial Reading  
MLE315  Teaching Elementary Social Studies  
EDU230  Physical Education/Health in the Elementary Classroom  
MLE320  Teaching Elementary Mathematics  
MLE330  Teaching Science in the Elementary School  
EDU335  Instructional Needs of English Language Learners  
EDU450  Curriculum Instruction & Assessment  
EDU480  Community and Legal Issues in Education  
EDU470  Professional Development  
SPE300  Effective Instructional Methods  
SPE301  Literacy Development  

Student Teaching Semester  
MLE495  Student Teaching  
MLE485  Practicum in Student Teaching  
MLE490  Selected Topics in Education  
OR  Alternate Professional Semester  
MLE475  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.  
3EDU480 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 the beginning of the Student Teaching Semester.  
5Taken as an option to MLE495 by students seeking the degree without certification.
Required Courses in Middle Level Education-Science Major:

- LIT200 Perspectives in Literature
- G243 Introduction to Geography
- H111 History of American Civilization I OR H112 History of American Civilization II
- MAT115 Sets/Number Systems
- MAT215 Sets/Number Systems II
- PSY100 General Psychology
- PSY221 Child/Adolescent Development

Concentration Courses

- BIO120 Field Natural History
- BIO150 Biology II
- BIO152 Biology II
- BIO300 Ecology
- CHM102 Chemistry and Society
- CHM134 General Chemistry I
- ESS152 Earth Space Science

Generalist Courses

- MAT260 Linear Algebra
- WRT290 Teach/Tutor Writing

Pre-Professional Education Coursework

- ED210 Educational Technology
- ED200 Introduction to American Education (must be taken at York College)
- EDU230 Elementary Curriculum with Music & Art
- EDU370 Psychology of Teaching/Elementary Education
- SPE200 Special Education Processes & Procedures

Professional Preparation Courses

- MLE300 Teaching Elementary Language Arts
- MLE305 Foundations of Reading Instruction
- MLE310 Diagnostic and Remedial Reading
- MLE315 Teaching Elementary Social Studies
- EDU230 Physical Education/Health in the Elementary Classroom
- MLE320 Teaching Elementary Mathematics
- MLE330 Teaching Science in the Elementary School
- EDU335 Instructional Needs of English Language Learners
- EDU450 Curriculum Instruction & Assessment
- EDU480 Community and Legal Issues in Education
- EDU470 Professional Development
- SPE300 Effective Instructional Methods
- SPE301 Literacy Development
Student Teaching Semester ²,₄

MLE495  Student Teaching
MLE485  Practicum in Student Teaching
MLE490  Selected Topics in Education

OR Alternate Professional Semester

MLE475  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.
³EDU480 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 the beginning of the Student Teaching Semester.
⁵Taken as an option to MLE495 by students seeking the degree without certification.

Required Courses in Middle Level Education-Social Studies Major:

LIT200  Perspectives in Literature
G243   Introduction to Geography
H111   History of American Civilization I OR
H112   History of American Civilization II
MAT115  Sets/Number Systems
MAT215  Sets/Number Systems II
PSY100  General Psychology
PSY221  Child/Adol. Development

Concentration Courses

G341   Geography North America
HIS112  History American Civ. II
PS141  Foundations/Institutions
PS142  Process and Policy
PS242  State/Local Government

Generalist Courses

BIO120  Field Natural History
BIO150  Biology I
ESS152  Earth/Space Science
MAT260  Linear Algebra
WRT290  Teach/Tutor Writing

Pre-Professional Education Coursework

ED210  Educational Technology
ED200  Introduction to American Education (must be taken at York College)
EDU230  Elementary Curriculum with Music & Art
EDU370  Psychology of Teaching/Elementary Education
SPE200  Special Education Processes & Procedures
Professional Preparation Courses¹

MLE300  Teaching Elementary Language Arts
MLE305  Foundations of Reading Instruction
MLE310  Diagnostic and Remedial Reading
MLE315  Teaching Elementary Social Studies
EDU230  Physical Education/Health in the Elementary Classroom¹
MLE320  Teaching Elementary Mathematics
MLE330  Teaching Science in the Elementary School
EDU335  Instructional Needs of English Language Learners
EDU450  Curriculum Instruction & Assessment
EDU480  Community and Legal Issues in Education³
EDU470  Professional Development
SPE300  Effective Instructional Methods
SPE301  Literacy Development

Student Teaching Semester ² ⁴

MLE495  Student Teaching
MLE485  Practicum in Student Teaching
MLE490  Selected Topics in Education
MLE475  Directed Professional Educational Experience⁵

OR Alternate Professional Semester

¹Satisfies Area Distribution Requirements.
²Grade earned must be a 2.0 or higher. This includes all courses in field of major study.
³EDU480 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 the beginning of the Student Teaching Semester.
⁵Taken as an option to MLE495 by students seeking the degree without certification. Education (Dual Certification)

Bachelor of Science Degree in Early Childhood Education/Special Education

Requirements for Graduation:

To be eligible for graduation, students majoring in Early Childhood Education/Special Education (dual certification) must complete all program requirements, including a minimum of 148 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 six courses—two English courses, two math courses (specific course names are specified on the appropriate Education worksheet), EDU200, and EDU210. Moreover, a 2.0 or higher must be achieved in each of all remaining Common Core courses. Students seeking certification in Early Childhood Education/Special Education will be required to have a minimum of 250 hours of Field Experience prior to the Student Teaching Semesters 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 Early Childhood Education/Special Education Major:**

Courses Meeting Certification Standards

- MAT215  Sets and Number Systems II
- PSY100  General Psychology
- PSY223  Developmental Psychology
- G243    Introduction to Geography
- H111    History of American Civilization I **OR**
- H112    History of American Civilization II
- LIT200  Perspectives in 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

- EDU210  Educational Technology
- EDU200  Introduction to American Education (must be taken at York College)
- EDU370  Psychology of Teaching & Learning
- EDU230  Elementary Curriculum with Music & Art
- SPE200  Special Education Processes & Procedures
- SPE205  Evidence Based Instruction: Autism/ADHD

Professional Preparation Courses

- ECH300  Teaching Elementary Language Arts
- ECH605  Foundations of Reading Instruction
- ECH310  Diagnostic and Remedial Reading
- ECH315  Teaching Elementary Social Studies
- EDU320  Physical Education/Health in the Elementary Classroom
- ECH320  Teaching Elementary Mathematics
- ECH330  Teaching Elementary Science
- EDU335  Instructional Needs of English Language Learners
- EDU450  Curriculum Instruction & Assessment
- EDU470  Professional Development
- EDU480  Community and Legal Issues in Education
- SPE206  Evidence Based Instruction: Students with Emotional and Social Disabilities
- SPE300  Effective Instruct. Methods
- SPE301  Literacy Development
- SPE302  Assistive and Augmentative Technology
**SPE333** Evidence Based: Specific Learning Disabilities  
**SPE364** Educational Assessment  
**SPE400** Behavioral Design/Intervention  
**SPE410** Educating High Incidence Disabilities  
**SPE411** Educating Low Incidence Disabilities  
**SPE490** Senior Seminar  
**SPE495** Student Teaching  
**SPE485** Practicum in Student Teaching  

**Subject to change based on Pennsylvania Department of Education Requirements.**

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 EDU480 Community and Legal Issues in Education must be scheduled the fall or spring term immediately prior to the Student Teaching Semester.

### Early Childhood Education/Special Education Suggested Course Sequence:

#### Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Analytical Reading/Writing (WRT102)</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology (PSY100)</td>
<td>3</td>
</tr>
<tr>
<td>Sets/Numbers Systems (MAT115)</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy (IFL101)</td>
<td>3</td>
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<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing (WRT202)</td>
<td>3</td>
</tr>
<tr>
<td>Sets/Numbers Systems II (MAT215)</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication (CM104)</td>
<td>3</td>
</tr>
<tr>
<td>Intro to American Education (EDU200)</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Educational Technology (EDU210)</td>
<td>3</td>
</tr>
<tr>
<td>Summer CreditsPerspectives in Literature (LIT200)</td>
<td>3</td>
</tr>
<tr>
<td>History of American Civilization (H111)</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>43</strong></td>
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</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Early Childhood Development (PSY223)</td>
<td>3</td>
</tr>
<tr>
<td>Music/Art (EDU230)</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Geography (G243)</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching &amp; Learning</td>
<td>3</td>
</tr>
<tr>
<td>Biology Course</td>
<td>3</td>
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<td>PSC or ESS Course</td>
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</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
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<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Special Education Processes &amp; Procedures (SPE200)</td>
<td>3</td>
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<tr>
<td>Teaching Language Arts (ECH300)</td>
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</table>
Foundations of Reading Instruction (ECH305) 3
Area V Distribution Requirement 3
\[37\]

**Summer**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Teaching Social Studies (ECH315)</td>
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<tr>
<td>Diagnostic and Remedial Reading (ECH310)</td>
<td>3</td>
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**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Teaching Math (ECH325)</td>
<td>3</td>
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<tr>
<td>Teaching Science (ECH330)</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education and Health (EDU320)</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Needs of English Language Learners (EDU335)</td>
<td>3</td>
</tr>
<tr>
<td>Evidence Based Instruction: Autism/ADHD (SPE205)</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Curriculum Instruction &amp; Assessment (EDU450)</td>
<td>3</td>
</tr>
<tr>
<td>Evidence Based Instruction: Students with Emotional and Social Disabilities (SPE206)</td>
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</tr>
<tr>
<td>Effective Instruction Methods (SPE300)</td>
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</tr>
<tr>
<td>Literacy Development (SPE301)</td>
<td>3</td>
</tr>
<tr>
<td>Assistive and Augmentative Technology (SPE302)</td>
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</tr>
<tr>
<td>Educating High Incidence Disabilities (SPE410)</td>
<td>3</td>
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<td>[36]</td>
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**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Development (EDU470)</td>
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<tr>
<td>Evidence Based: Specific Learning Disabilities (SPE333)</td>
<td>3</td>
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<tr>
<td>Educational Assessment (SPE364)</td>
<td>3</td>
</tr>
<tr>
<td>Behavioral Design and Intervention (SPE400)</td>
<td>3</td>
</tr>
<tr>
<td>Educating High Incidence Disabilities (SPE410)</td>
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</tr>
<tr>
<td>Educating Low Incidence Disabilities (SPE411)</td>
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</tr>
<tr>
<td>Community &amp; Legal Issues (EDU480)</td>
<td>3</td>
</tr>
<tr>
<td>Student Teaching (SPE495)</td>
<td>10</td>
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<tr>
<td>Practicum in Student Teaching (SPE485)</td>
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<tr>
<td>Senior Seminar (SPE490)</td>
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<tr>
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</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. 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 specialization courses, professional preparation courses, and a professional semester of student teaching. This program provides both education 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 English courses develop knowledge and skills in the fields of literary studies and writing, while 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 concentrates on the study of literature, writing, language and linguistics. It includes 18 credit hours of literature specialization courses, with requirements chosen from the History/Culture, Genre, Figure/Author, and Theory/Thematics modes of study.

Students must apply for admission into the Teacher Education Program according to the Education Department’s guidelines. In addition, students must complete 190 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, students majoring in Secondary Education-English must complete all program requirements including a minimum of 127 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 the following courses: WRT102, WRT202, MAT111, a second math course, EDU200, and EDU210. 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT210</td>
<td>Studies in Theory/Criticism</td>
</tr>
<tr>
<td>LIT228</td>
<td>Foundation of English Studies</td>
</tr>
<tr>
<td>LIT270</td>
<td>Young Adult Literature</td>
</tr>
<tr>
<td>LIT310</td>
<td>Language &amp; Linguistics</td>
</tr>
<tr>
<td>THE205</td>
<td>Text Performance</td>
</tr>
<tr>
<td>WRT290</td>
<td>Teaching &amp; Tutoring</td>
</tr>
</tbody>
</table>
WRT315  Advanced Composition
FLM216  Introduction to Film OR
LIT393  Literature and Film

Literacy Modes (9 credits must be at the 300 level or higher) (Check with your advisor for other courses that may fulfill individual mode requirements.)

History/Culture specialization courses from the following list (3 credits in American Lit., 3 credits in Brit Lit., and 3 credits in elective area):

- 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 specialization courses from the following list (3 credits):

- LIT291  The Short Story
- LIT313  The American Novel
- LIT327  Twentieth Century Novel
- LIT343  The Experience of Poetry
- LIT376  Contemporary Poetry
- LIT391  Literature of Terror
- LIT393/FLM393  Literature and Film
- LIT395  Fantasy Literature

Figure/Author specialization courses from the following list (3 credits):

- LIT323  Shakespeare I
- LIT324  Shakespeare II

Theory/Thematics specialization courses from the following list (3 credits):

- LIT341  The Comic Tradition
- LIT342  Popular Literature
- LIT344/WGS344  Love and Sex in Literature
- LIT347  Literature and Psychology
- LIT381  Literary Theory
- LIT382/WGS382  Women in Literature
- LIT385  British Modernism
- LIT387  Women’s Writing and Resistance
- LIT389  Postcolonial Theory

Pre-Professional Education Courses

- EDU200  Introduction to American Education
EDU210 Educational Technology
EDU375 Psychology of Teaching/Learning Sec. Ed.
   Math (MAT105 or higher)
PSY100 General Psychology\(^1\)
SPE200 Processes & Procedures
EDU335 Instructional Needs of English Language Learners
SE351 Teaching Strategies
SE353 Teaching Communication
SE402 Community and Legal Issues in Education\(^3\)
SPE300 Effective Inst’l Methods
SPE301 Literacy Development

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 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-English 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>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>Area V Foreign Language</td>
<td>6</td>
</tr>
<tr>
<td>Found English Studies</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
</tbody>
</table>

**Sophomore Year Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>MATxxx</td>
<td>3</td>
</tr>
<tr>
<td>Test Performance</td>
<td>3</td>
</tr>
</tbody>
</table>
Human Communication 3
Physical Education 1
Area IV Distribution Requirement 3
Special Education Processes & Procedures 3
Studies in Theory/Crit 3
Teaching & Tutoring Writing 3
Young Adult Literature 3
Intro to Film OR Literature and Film 3

Junior Year
Area III Distribution Requirement 3
Teaching Strategies 3*
Psychology Teaching/Learning/Sec 3
Language and Linguistics 3
Advanced Comp 3
Teaching Communication 3*
Effective Inst’l Methods 3
Free Elective 3
Specialization Courses in Literary Modes 9

Senior Year
Instructional Needs of English Language Learners 3
Community & Legal Issues 3
Literacy Development 3
Specialization Courses in Literary Modes 9
Student Teaching OR Focused Studies 10
Practicum in Student Teaching 1
Selected Topics in Education 1

Bachelor of Arts Degree in Secondary Education-Social Studies

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 six courses—two English courses, two math courses, EDU200, and EDU210. They must also take a second elected mathematics course to be
determined by the student and the advisor and earn a 3.0 or higher in this course as well.

Secondary Education-Social Studies is a dual major offered in conjunction with the Department of Education. Students who complete the Social Studies major can earn a second major and degree in History without taking any additional courses by taking Historical Geography as their second geography course and American Constitutional Thought or European Union as their second government class.

**Required Courses in Secondary Education-Social Studies:**

**Discipline Certification Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO200</td>
<td>Principles of Economics-Macro&lt;sup&gt;1&lt;/sup&gt; OR</td>
</tr>
<tr>
<td>ECO201</td>
<td>Principles of Economics-Micro&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>G243</td>
<td>Introduction to Geography</td>
</tr>
<tr>
<td>HIS101</td>
<td>History of Western Civilization I</td>
</tr>
<tr>
<td>HIS102</td>
<td>History of Western Civilization II</td>
</tr>
<tr>
<td>HIS111</td>
<td>History of American Civilization I</td>
</tr>
<tr>
<td>HIS112</td>
<td>History of American Civilization III</td>
</tr>
<tr>
<td>PS141</td>
<td>American Government: Institutions&lt;sup&gt;1&lt;/sup&gt; OR</td>
</tr>
<tr>
<td>PS142</td>
<td>American Government: Process&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>ANT210</td>
<td>Introduction to Physical Anthropology OR</td>
</tr>
<tr>
<td>ANT220</td>
<td>Cultural Anthropology&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

One additional Geography course chosen from the following list: G331, G332, G336, G341, G361, G70

One additional Government course chosen from the following list: PS242, PS371, PS372, PS474, PS479

(Students who choose to take Historical Geography as their second geography course and American Constitutional Thought or European Union as their second government course will achieve a second degree and major in history.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS200</td>
<td>Methods/Theory History</td>
</tr>
<tr>
<td>HIS499</td>
<td>Senior Seminar in History</td>
</tr>
</tbody>
</table>

12 additional credits in History

**Pre-Professional Educator Status (PPES)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU200</td>
<td>Introduction to American Education (must earn a 3.0 or better) &lt;sup&gt;8&lt;/sup&gt;</td>
</tr>
<tr>
<td>EDU210</td>
<td>Educational Technology</td>
</tr>
<tr>
<td>_____</td>
<td>Math (see advisor)</td>
</tr>
<tr>
<td>PSY100</td>
<td>General Psychology</td>
</tr>
<tr>
<td>EDU375</td>
<td>Psychology of Teaching/Learning Sec. Ed.</td>
</tr>
<tr>
<td>SOC100</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SPE200</td>
<td>Processes &amp; Procedures</td>
</tr>
</tbody>
</table>

**Professional Preparation Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU335</td>
<td>Instructional Needs of English Language Learners</td>
</tr>
</tbody>
</table>
SE402  Community and Legal Issues in Education
SE351  Teaching Strategies
SE352  Teaching Secondary Education Social Studies
SPE300  Effective Inst’l Methods
SPE301  Literacy Development

Student Teaching Semester 2,5
SE404  Student Teaching **OR**
SE405  Focused Studies
SE412  Practicum in Student Teaching
SE413  Selected Topics in Education **OR**

Alternative Program7
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, second 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 course work. Must have prior approval from advisor and Department Chair.
8 Course must be taken at York College.

**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>
</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>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Sec. Ed</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
</tbody>
</table>
American Civilization I and II 6
American Government 3
Methods/Theory of History 3
Special Education Processes & Procedures 3
Additional Government course 3
\[36\]

**Junior Year**

Instructional Needs of ELL 3
Introduction to Geography 3
Additional Geography course 3
Cultural or Physical Anthropology 3
History Electives 12
Teaching Strategies 3
Area I Distribution Requirement 3
Area III Distribution Requirements 6
\[36\]

**Senior Year**

Macro or Micro Economics 3
History Seminar 3
Teaching Social Studies in Secondary Education 3
Community and Legal Issues in Education 3
Effective Inst’l Methods 3
Literacy Development 3

*Student Teaching Semester (A 3.0 GPA or greater required)* 12

Student Teaching (SE404) **OR**
Focused Studies (SE405) **OR**

*Alternative Program*

Practicum in Student Teaching (SE412)
Selected Topics (SE413)
\[30\]

**Bachelor of Science Degree 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 141 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 six courses—two English courses (WRT102, WRT202), Intro to American Education (EDU200), Educational Technology (EDU210) and two math courses, Statistics (MAT250) and Applied Calculus (MAT120).

**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 I
- 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
- BIO3xx  Biology Elective

**Pre-Professional Education Courses**

- EDU210  Educational Technology
- EDU200  Introduction to American Education (must be taken at York College)
- EDU375  Psychology of Teaching/Learning Sec. Ed.
- PSY100  General Psychology
- SOC100  Introduction to Sociology
- SPE200  Processes and Procedures

**Professional Preparation Courses**

- SE402  Community and Legal Issues in Education (must be taken at York College)
- SE351  Teaching Strategies
- SE354  Teaching Sec. Ed. Science
- EDU335  Instructional Needs of ELL
- SPE300  Effective Instructional Methods
- SPE301  Literacy Development

**Student Teaching Semester**

- SE404  Student Teaching **OR**
- SE405  Focused Studies
- SE412  Practicum in Student Teaching
PE413  Selected Topics in Education  OR  
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 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><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>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 American Education</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 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>Introduction to Scientific Research</td>
<td>3</td>
</tr>
<tr>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>Organic Chemistry I and II (OR Organic Chemistry I and Biochemistry I)</td>
<td>8</td>
</tr>
<tr>
<td>Psychology of Teaching/Learning Sec. Ed.</td>
<td>3</td>
</tr>
<tr>
<td>Statistics</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>Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>SPE Processes and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>40</strong></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th><strong>Junior Year</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Biology 3XX Elective</td>
<td>4</td>
</tr>
<tr>
<td>General Physics I and Earth/Space Science</td>
<td>7</td>
</tr>
<tr>
<td>Teaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Needs of ELL</td>
<td>3</td>
</tr>
<tr>
<td>Effective Instructional Methods</td>
<td>3</td>
</tr>
</tbody>
</table>
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 124 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 six courses—two English courses, two math courses (specific course names are specified on the appropriate Education worksheet), EDU200, and EDU210. Moreover, a 2.0 or higher must be achieved in all remaining Common Core courses.

Required Courses in Secondary Education-General Science Major:

Common Core Requirements (16 credits)

- WRT102 Analytical Reading and Writing³
- WRT202 Academic Writing³
- CM104 Human Communication³
- IFL101 Information Literacy²
- MAT111 Critical Thinking and Problem Solving³
- Physical Education²

Area Distribution Requirements (18 credits)

Area I: Fine Arts and Humanities
Area IV: American/Western Civilization and Government
Area V: International Studies/Foreign Language

Free Electives (12-14 credits)

Discipline Certification Requirements

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 I (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:
MAT150 Using Data to Improve Decision Making
MAT171 Calculus I
MAT172 Calculus II
MAT250 Elements of Statistics
MAT260 Elementary Linear Algebra
MAT271 Calculus III

Specialization Courses (six to ten credits required from one of the following areas)

Biology

BIO120/BIO121 Field Natural History
BIO124/BIO125 Intro to Oceanography
BIO152/BIO153 Biology II
BIO210/BIO211 Marine Biology
BIO212/BIO213 Environmental Biology
BIO216 Microbes: Unseen Life of Earth
BIO220/BIO221 Human Anatomy and Physiology I
BIO222/BIO223 Human Anatomy and Physiology II
BIO232 Plant Taxonomy and Seasonal Flora
BIO240/BIO241 Genetics I
BIO302/BIO303 Zoology
BIO304/BIO305 Botany
BIO308/BIO309 Animal Physiology
BIO330/BIO331 Biology of Microorganisms
BIO350 Biochemistry I
BIO370/BIO371 Evolutionary Biology
## Programs of Study

### Chemistry

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM102/CHM103</td>
<td>Chemistry and Society</td>
</tr>
<tr>
<td>CHM234/CHM235</td>
<td>Organic Chemistry I</td>
</tr>
<tr>
<td>CHM236/CHM237</td>
<td>Organic Chemistry II</td>
</tr>
<tr>
<td>CHM336/CHM337</td>
<td>Quantitative Analytical Chemistry</td>
</tr>
<tr>
<td>CHM338/CHM339</td>
<td>Instrumental Analytical Chemistry</td>
</tr>
<tr>
<td>CHM344/CHM345</td>
<td>Physical Chemistry I</td>
</tr>
<tr>
<td>CHM346/CHM347</td>
<td>Physical Chemistry II</td>
</tr>
<tr>
<td>CHM350</td>
<td>Biochemistry I</td>
</tr>
</tbody>
</table>

### Physics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME250</td>
<td>Statics</td>
</tr>
<tr>
<td>ME252</td>
<td>Dynamics</td>
</tr>
<tr>
<td>ME264</td>
<td>Strength of Materials</td>
</tr>
<tr>
<td>PHY160</td>
<td>Engineering Physics (Mechanics)</td>
</tr>
<tr>
<td>PHY162/PHY163</td>
<td>Engineering Physics</td>
</tr>
<tr>
<td></td>
<td>(Heat, Thermodynamics, and Sound)</td>
</tr>
<tr>
<td>PHY262</td>
<td>Engineering Physics IV</td>
</tr>
<tr>
<td></td>
<td>(Science courses satisfy ADR III)</td>
</tr>
<tr>
<td></td>
<td>(MAT171 and MAT172 are required with the Physics option)</td>
</tr>
</tbody>
</table>

### Pre-Professional Education Courses

<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>EDU375</td>
<td>Psychology of Teaching Learning/Sec. Ed.</td>
</tr>
<tr>
<td>EDU200</td>
<td>Introduction to American Education (must be taken at York College)</td>
</tr>
<tr>
<td>EDU210</td>
<td>Educational Technology</td>
</tr>
<tr>
<td>SE402</td>
<td>Community and Legal Issues in Education³</td>
</tr>
<tr>
<td>SE351</td>
<td>Teaching Strategies</td>
</tr>
<tr>
<td>SE354</td>
<td>Teaching General Science</td>
</tr>
<tr>
<td>SPE300</td>
<td>Effective Instructional Methods</td>
</tr>
<tr>
<td>SPE301</td>
<td>Literacy Development</td>
</tr>
</tbody>
</table>

### Student Teaching Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE404</td>
<td>Student Teaching OR</td>
</tr>
<tr>
<td>SE405</td>
<td>Focused Studies OR</td>
</tr>
<tr>
<td>SE416</td>
<td>Directed Professional Educational Experience⁵</td>
</tr>
<tr>
<td>SE412</td>
<td>Practicum in Student Teaching</td>
</tr>
<tr>
<td>SE413</td>
<td>Selected Topics</td>
</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.
**Secondary Education-General 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>
</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>
</tbody>
</table>

**Total Credits:** 31

### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discipline Certification Requirements</td>
<td>3-5</td>
</tr>
<tr>
<td>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td>Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>Processes and Procedures</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>8</td>
</tr>
</tbody>
</table>

**Total Credits:** 32-36

### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discipline Certification Requirements</td>
<td>13-15</td>
</tr>
<tr>
<td>IFS105 or IFS275 or MAT230</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Learning Sec. Ed.</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>Effective Instructional Methods</td>
<td>3</td>
</tr>
<tr>
<td>Literacy Development</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 31-33

### Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instructional Needs of ELL</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Gen. Science</td>
<td>3</td>
</tr>
<tr>
<td>Concentration courses</td>
<td>6-10</td>
</tr>
<tr>
<td>Free Electives</td>
<td>3</td>
</tr>
<tr>
<td>Community and Legal Issues in Education</td>
<td>3</td>
</tr>
</tbody>
</table>

### Student Teaching Semester (3.0 GPA or higher required)

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

**Total Credits:** 30-34
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 177 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 177 for a complete description of certification and degree requirements).

Required Courses in Secondary Education-Mathematics Major:

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; 12 or more of these credits must be taken at the 200 level)

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

Discipline Certification Requirements (47-48 credits)²

- MAT172 Analytical Geometry and Calculus II
- MAT260 Elementary Linear Algebra
- MAT271 Analytical Geometry and Calculus III OR
- MAT290 Applied Math for Chemist & Mathematicians.
- MAT272 Differential Equations
- MAT280 Mathematical Structures
- MAT345 Modern Geometry
- MAT350 Probability and Statistics
- MAT355 Math Standards
- MAT390 History of Mathematics
Mathematics Electives (12 credits from one of the following):
MAT210, MAT360, MAT361, MAT362, MAT371, MAT372, MAT391, 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 (2) (46 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY100</td>
<td>General Psychology¹</td>
</tr>
<tr>
<td>EDU375</td>
<td>Psychology of Teaching/Learning/Sec. Ed.</td>
</tr>
<tr>
<td>EDU210</td>
<td>Educational Technology²</td>
</tr>
<tr>
<td>EDU200</td>
<td>Introduction to American Education²</td>
</tr>
<tr>
<td>EDU210</td>
<td>Educational Technology²</td>
</tr>
<tr>
<td>SPE200</td>
<td>Processes &amp; Procedures</td>
</tr>
<tr>
<td>EDU355</td>
<td>Instructional Needs of ELL</td>
</tr>
<tr>
<td>SE402</td>
<td>Community and Legal Issues in Education³</td>
</tr>
<tr>
<td>SE351</td>
<td>Teaching Strategies</td>
</tr>
<tr>
<td>SE355</td>
<td>Teaching Sec. Ed. Math</td>
</tr>
<tr>
<td>SPE300</td>
<td>Effective Instructional Methods</td>
</tr>
<tr>
<td>SPE301</td>
<td>Literacy Development</td>
</tr>
</tbody>
</table>

Student Teaching Semester²,⁴

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE404</td>
<td>Student Teaching OR</td>
</tr>
<tr>
<td>SE405</td>
<td>Focused Studies OR</td>
</tr>
<tr>
<td>SE416</td>
<td>Directed Prof. Educ. Exper.⁵</td>
</tr>
<tr>
<td>SE412</td>
<td>Practicum in Student Teaching</td>
</tr>
<tr>
<td>SE413</td>
<td>Selected Topics in Education</td>
</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.
³EDU480 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>Area I Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
</tbody>
</table>
## Programs of Study

### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Sec. Ed.</td>
<td>3</td>
</tr>
<tr>
<td>Calculus III OR Applied Math for Mathematicians</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></td>
</tr>
<tr>
<td>AND either PHY162, PHY260, PHY262</td>
<td>8 or 9</td>
</tr>
<tr>
<td>Area I Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>32 or 33</strong></td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Probability and 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>History of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>SPE Processes and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Needs of ELL</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Sec. Ed. Math</td>
<td>3</td>
</tr>
<tr>
<td>Math Standards</td>
<td>1</td>
</tr>
<tr>
<td>Effective Instructional Methods</td>
<td>3</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>Mathematics Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>34</strong></td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community and Legal Issues in Education</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective</td>
<td>3</td>
</tr>
<tr>
<td>Literary Development</td>
<td>3</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><strong>Total</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Student Teaching Semester (3.0 GPA or higher required)**

- Student Teaching (SE404) **OR**
- Focused Studies (SE405)
- Practicum in Student Teaching (SE412)
- Selected Topics in Education (SE413)

**Total** **30**
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.

**Requirements for Graduation:**

To be eligible for graduation, students majoring in General Music Education must complete all program requirements including a minimum of 137 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 six courses—two English courses, two math courses (specific course names are specified on the appropriate Education worksheet), EDU200, and EDU210. Moreover, a 2.0 or higher must be achieved in all remaining Common Core courses.

**Required Courses in General Music Education Major:**

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-IV
- MUS184-285 Sight Singing/Ear Training I-IV
- MUS290 Introduction to Music Literature
- MUS390 Music History I
- MUS391 Music History 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)²
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

Music Education majors must satisfy Senior Recital and Piano Proficiency Requirements prior to the Student Teaching Semester.

Pre-Professional Education Courses¹

- EDU200  Introduction to American Education (must be taken at York College)
- EDU210  Educational Technology
- EDU375  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

Student Teaching Semester¹,⁴

- ECH495/SE404  Student Teaching
- ECH480/SE405  Focused Studies OR
- ECH475/SE416  Directed Professional Educational Experience⁵
- ECH485/SE412  Practicum in Student Teaching
- ECH490/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 ECH495/SE404 by students seeking the degree without certification.
General Music Education Suggested Course Sequence:

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</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>Area IV Distribution Requirement</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></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area III Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>Special Processes and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Math (MAT150 recommended, 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></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>
Bachelor of Arts Degree in Spanish Education (K-12)

The Spanish Education program is designed to prepare students for a career in teaching Spanish at any level from K-12. The program includes coursework in the following areas: General Education Requirements, English and Humanities Department requirements, Spanish language, literature and culture courses, professional preparation courses, and a professional semester of student teaching. This program provides instruction and practical experiences in determining effective instructional approaches in teaching the five skill areas of foreign language: listening comprehension, speaking, reading, writing, and cultural competence.

Students develop an awareness of the many responsibilities faced by Spanish teachers and learn how to work within today’s school environment. They learn to establish age-appropriate educational goals and objectives, to develop meaningful classroom activities for students to practice their skills, and to devise methods of assessing learning. The Education courses focus on the effectiveness of the teacher’s methods and on the value of the students’ learning experiences. The Spanish Education program emphasizes the acquisition of an advanced skill level in spoken and written Spanish, as well as an appreciation of the cultural manifestations of Spanish speaking countries. In order to reach an advanced level of competence, students take coursework...
in advanced grammar, oral and written skills, Spanish and Spanish American literature and culture, and six credits of elective credits in a study abroad program. 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 I Reading, Writing, and Mathematics exams and the PRAXIS II exams for Spanish (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 Spanish Education must complete a minimum of 124 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 apply for and to begin the Student Teaching Semester, must achieve a grade of 3.0 or higher in each of WRT102, WRT202, MAT111, a second math course, EDU200, and EDU210. 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 Spanish Education Major:

Discipline Certification Requirements (39 credits)

- SPN201 Intermediate Spanish I
- SPN202 Intermediate Spanish II
- SPN205 Intermediate Spanish Conversation
- SPN206 Reading Strategies in Spanish
- SPN301 Advanced Oral and Written Expression in Spanish
- SPN307 Spanish Culture and Civilization
- SPN308 Spanish American Culture and Civilization
- SPN315 Introduction to the Literature of Spain
- SPN316 Introduction to the Literature of Spanish America
- SPN420 Advanced Spanish Grammar
- SPN425 Spanish Linguistics

Spanish electives at 300 level or above (6 credits) must be taken in an approved program of study abroad.

Professional Preparation Courses

- MATXXX Mathematics (See advisor)
- PSY100 General Psychology
- EDU200 Introduction to American Education
- EDU210 Educational Technology
- EDU370 Psy./Learning Elem. OR
- EDU375 Psy./Learning Sec.
214 Programs of Study

EDU335  Inst’l Needs of ELL
EDU470  Professional Development
SE402 or EDU480  Community/Legal Issues  
SPE200  Processes & Procedures
SPE300  Effective Inst’l Methods
SPE301  Literacy Development
SPN364  Teaching Spanish Early Childhood/Middle Level
SPN365  Teaching Spanish Secondary Level

Student Teaching Semester  
ECH495 or SE404  Student Teaching OR
ECH480 or SE405  Focused Studies
ECH485 or SE412  Practicum in Student Teaching
ECH490 or SE413  Selected Topics in Education
ECH475 or SE416  Directed Professional Education Experience

Spanish Education Suggested Course Sequence:

Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading/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>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td>Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Spanish I</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Spanish II</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts and Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Math Selection above 105</td>
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Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Processes &amp; Procedure</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts and Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Laboratory Elective Science</td>
<td>6-8</td>
</tr>
<tr>
<td>American/Western Civ; Amer Gov’t</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Spanish Conversation</td>
<td>3</td>
</tr>
<tr>
<td>Reading Strategies in Spanish</td>
<td>3</td>
</tr>
<tr>
<td>Course</td>
<td>Credits</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>Spanish Culture &amp; Civilization</td>
<td>3</td>
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<tr>
<td>Physical Education Electives</td>
<td>2</td>
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<tr>
<td></td>
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**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Psy. Learning Elementary</td>
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<td><strong>OR</strong></td>
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</tr>
<tr>
<td>Psy. Learning Secondary</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Oral and Written Spanish</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Literature Spain</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Literature Span-Am</td>
<td>3</td>
</tr>
<tr>
<td>Spanish American Culture &amp; Civ.</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Spanish Elem School</td>
<td>3</td>
</tr>
<tr>
<td>Inst'l Needs of ELL</td>
<td>3</td>
</tr>
<tr>
<td>American/Western Civ; Amer Gov’t</td>
<td>3</td>
</tr>
<tr>
<td>Literacy Development</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>27</strong></td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective Inst’l Methods</td>
<td>3</td>
</tr>
<tr>
<td>Professional Development</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Spanish Grammar</td>
<td>3</td>
</tr>
<tr>
<td>Spanish Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Spanish Secondary Level</td>
<td>3</td>
</tr>
<tr>
<td>Spanish Electives 300-400 level</td>
<td>6</td>
</tr>
<tr>
<td>Community/Legal Issues</td>
<td>3</td>
</tr>
<tr>
<td>(MLE495) <strong>OR</strong> (SE404)</td>
<td></td>
</tr>
<tr>
<td>Student Teaching</td>
<td>12</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

**Bachelor of Science Degree 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 major adheres to curricular guidelines set forth by NASPE/NASSM and COSMA for undergraduate sport management programs. Students experience a comprehensive sport management curriculum reflective of the breadth of the profession, and also have the opportunity to gain specialized expertise through elective sequences from other academic disciplines that will help prepare them for positions in the various segments of the sport management career field. These elective sequences include:

- Accounting
- Applied Youth Development
- Aquatic Facility Management
216 Programs of Study

Athletic Administration
Entrepreneurial Studies
Hospitality Marketing
Human Resource Management
Information Systems
International Business
Leadership and Organizational Development
Legal Studies
Management
Marketing
Marketing Communications
Operations Management
Public Relations
Retailing
Speech Communication
Student-Initiated Sequence (students must have a 3.0 GPA)

A hallmark of the program is an emphasis on experiential learning. Students enter the major with a four-semester (freshman/sophomore), two-credit practicum experience, and end their major work with a nine-credit capstone work experience.

The major is guided by an advisory board consisting of leading professionals in the field of sport management that helps the program to maintain a strong strategic planning component that focuses on emerging trends, changing demands, and employment opportunities. Therefore, the major develops, plans, and executes sport management courses that reflect the current trends and professional practices in the sport management field as well as provide practical experiences in professional settings that are consistent with students’ professional aspirations. Finally, the major is one of the top undergraduate sport management programs in the country due to our commitment to excellence in every aspect of the major and our students, who are prepared for lifelong learning opportunities, including the pursuit of a post-graduate degree.

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 allow 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

a. Develop a comprehensive understanding of the breadth of the sport management field, as evidenced by knowledge and skills in a variety of functional areas of the discipline.

b. Successfully engage in experiential endeavors by translating theory from the sport management curriculum to practice.

c. Exhibit proficiency in the skills of communication and critical thinking within the context of the sport management discipline.

d. Develop knowledge and skill in key career and professional development competencies for the sport management field.

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

*2.0 or better grade required.
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

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  
Human Resource Management  
Information Systems  
International Business  
Leadership and Organizational Development  
Legal Studies  
Management  
Marketing  
Marketing Communications  
Marketing Management  
Operations Management  
Organizational Development  
Public Relations  
Retailing  
Speech Communication  
Student Initiated

**Sport Management Suggested Course Sequence:**

<table>
<thead>
<tr>
<th>Freshman Year (Fall)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>History &amp; Philosophy of Sport (SPM101)</td>
<td>3</td>
</tr>
<tr>
<td>Freshman Seminar (SPM105)</td>
<td>1</td>
</tr>
<tr>
<td>Sport Management Practicum (SPM110)</td>
<td>.5</td>
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<tr>
<td>Intro to Sport Management (SPM201)</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy (IFL101)</td>
<td>2</td>
</tr>
<tr>
<td>IT Competency Exam (IFS100)</td>
<td>0</td>
</tr>
<tr>
<td>Critical Thinking/Prob. Solving (MAT111)</td>
<td>3</td>
</tr>
<tr>
<td>Concepts of Physical Activity (PE134)</td>
<td>1</td>
</tr>
<tr>
<td>Analytical Reading/Writing (WRT102)</td>
<td>3</td>
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</table>

**Total Credits:** 16.5
### Freshman Year (Spring)  Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>History &amp; Philosophy of Sport (SPM101) OR</td>
<td>3</td>
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<tr>
<td>Sport in Society (SPM220)</td>
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<tr>
<td>Sport Management Practicum (SPM111)</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management (MGT150)</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology (PSY100)</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing (WRT202)</td>
<td>3</td>
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<tr>
<td>Area IV Requirement</td>
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<td>PE Course Requirement</td>
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### Sophomore Year (Fall)  Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Sport Management Practicum (SPM112)</td>
<td>.5</td>
</tr>
<tr>
<td>Sport in Society (SPM220) OR</td>
<td></td>
</tr>
<tr>
<td>Sport Behavior (SPM310)</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication (CM104)</td>
<td>3</td>
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<tr>
<td>Principles of Economics: Macro (ECO200)</td>
<td>3</td>
</tr>
<tr>
<td>Pers. Comp/IFS305 - MIS (IFS105)</td>
<td>3</td>
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<tr>
<td>Principles of Marketing (MKT100)</td>
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<td><strong>Total</strong></td>
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### Sophomore Year (Spring)  Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Sport Management Practicum (SPM113)</td>
<td>.5</td>
</tr>
<tr>
<td>Sport Behavior (SPM310) OR</td>
<td></td>
</tr>
<tr>
<td>Financing Sport Operations (SPM340)</td>
<td>3</td>
</tr>
<tr>
<td>Sport Admin. &amp; Mgt. Practices (SPM320)</td>
<td>3</td>
</tr>
<tr>
<td>Financial Accounting (ACC220)</td>
<td>3</td>
</tr>
<tr>
<td>Elective Sequence Course</td>
<td>3</td>
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<tr>
<td>Free Elective</td>
<td>3</td>
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<tr>
<td>PE Course Requirement</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
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### Junior Year (Fall)  Credits

<table>
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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Sport Marketing (SPM330)</td>
<td>3</td>
</tr>
<tr>
<td>Financing Sport Operations (SPM340)</td>
<td>3</td>
</tr>
<tr>
<td>Fundamentals of Human Biology (BIO112)</td>
<td>3</td>
</tr>
<tr>
<td>Area I Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Elective Sequence Course</td>
<td>3</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>
Junior Year (Spring)  Credits
Public/Media Relations in Sport (SPM350)  3
Facility & Event Management (SPM420)  3
Area III Requirement  3
Area V Requirement  3
Elective Sequence Course  3
Free Elective**  3
\[ \text{Total Credits} = 18 \]

Senior Year (Fall)  Credits
Professional Development* (SPM401)  1
Ticket Ops/Negotiation (SPM410)  3
Legal Aspects of Sport (SPM425)  3
Area I Requirement  3
Area V Requirement  3
Elective Sequence Course  3
\[ \text{Total Credits} = 16 \]

Senior Year (Spring)  Credits
Ethics/Current Issues in Sport (SPM475)  3
Work Experience (SPM480)  9
\[ \text{Total Credits} = 12 \]

*If a student is doing SPM480 in the summer or fall, this should be taken during the fall of their senior year. If a student is doing SPM480 in the spring, this should be taken during the spring of their junior year.

** If a student is doing SPM480 in the summer or fall this should be taken during the spring of their junior year. If a student is doing SPM480 in the spring, this should be taken during the fall of their senior year.

DEPARTMENTAL MINORS

Minor in Special Education (21 Credits)

General Psychology (PSY100)
SPE Processes and Procedures (SPE200)
Effective Instructional Methods (SPE300)
Literacy Development and Instruction (SPE301)
Assistive and Augmentative Technology (SPE302)
Educational Assessment of Students with Disabilities (SPE364)

OR
Testing/Assessment (PSY365)
Behavioral Design/Intervention (SPE400)
The Department of English and Humanities offers baccalaureate degree programs in English Literary Studies, Professional Writing, 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, and Spanish Education, which qualifies majors for Pennsylvania certification to teach Spanish in K-12. Additionally, the department offers minors in each of its baccalaureate degree areas as well as in Creative Writing, Film Studies, Religious Studies, French, and German.

In an increasingly globalized environment, the disciplines devoted to the human word, to human communication, to the world’s languages and literatures, its philosophies, 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 digital and electronic media, text performance and presentation, philosophical and religious analysis, as well as literary 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 question, think critically, analyze information, synthesize it, and communicate their ideas effectively. The disciplines represented here encourage versatility and flexibility. These programs are designed to prepare students for careers requiring analytical, presentational, and communication skills. The programs are also excellent pre-professional preparation for a variety of positions in publishing, law, commerce, as well as local, state and federal service. The programs also provide good preparation for students who wish to pursue graduate studies.

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.

The department provides instruction to support several areas of the College’s General Education curriculum, including the first-year Writing program, Fine Arts and Humanities, and International Studies/Foreign Languages. In addition students can take advantage of several extracurricular activities to enrich their college experience. The student-run literary journal, The York Review, publishes creative fiction and non-fiction by student writers. Many majors in the Department write or edit for The Spartan, York College’s student-run campus newspaper. A new chapter of the International English Honors Society, Sigma Tau Delta, was recently inaugurated by the department. There are active German and French clubs, and an active Film Society. The department also sponsors a number of awards and scholarships for which students may compete. The department sponsors a number of cultural events in support of the College’s cultural offerings. These events include a Film Series, a Lecture Series, and a Writer-in-Residence program.
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 a variety of International perspectives. Through their reading, they will begin to develop a deeper, more conscious understanding of culture as it is represented and magnified by works of literature. Students will also develop their communication skills as they 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 giving students a choice of literature courses in four key modes of literary inquiry.

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.

**Requirements for English Literary Studies Major:**

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

*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.
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
LIT/THE 410  (Western Theatre)
LIT/THE 415  (Non-Western Theatre)

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
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, THE, WRT, HUM, WGS/LIT, or foreign language literature courses at the 300 level or above. Free Electives (13-15 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.

Requirements for Philosophy Major:*

Required courses (27 credits)

PHL221  Introduction to Philosophy  
PHL231  Logic  
PHL235  Ancient to Modern Philosophy

*Students must receive a grade of 2.0 or higher in each course within the major.
PHA236  The Enlightenment to Postmodern Philosophy
PHL321  Epistemology
PLH331  Metaphysics
PLH341  Ethics
PLH401  Philosophy Seminar
REL265  World Religions

Required Electives (24 credits)

Students must complete 24 elective credits in Philosophy. At least nine credits must be at the 300 level or above. Up to 12 credits may be REL courses.

Free Electives (15-18 credits)

A minor is required. Waived for dual majors.

**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 digital communicators. Graduates have obtained positions in publishing, technical writing, public relations, information technology, teaching, 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 the Master’s 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, screenplays 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, digital 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
228 Programs of Study

- Courses in practical application of writing skills, including courses that focus upon topics such as writing in professional cultures, digital writing, poetry fiction writing, and document design
- Courses giving students hands-on career skills and experience
- Courses in a minor field of study related to their career aspirations
- Foundation courses in the liberal arts

**Required Courses for Professional Writing Major:**

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 Digital Writing: Theory and Practice
   - 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:*****

   - WRT272 Introduction to Creative Writing
   - WRT275 Playwriting
   - WRT290 Teaching and Tutoring of Writing I
   - WRT 312 Writing Humor
   - WRT321 Document Design: Theory and Practice
   - WRT360-WRT369 A variety of intermediate level Special Topics courses in Professional Writing
   - WRT370 Special Topics in Creative Writing
   - WRT372 Poetry Writing
   - WRT373 Creative Nonfiction
   - WRT374 Writing Children’s Literature
   - WRT377 Screenwriting
   - WRT380 Literary Publishing
WRT382 Fiction Writing
WRT451 Experiential Learning (optional second internship)
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, Theatre, 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.

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.

*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, minor courses, 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 Internship experience, in consultation with a faculty member; file an application with the experiential learning instructor 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.
### Professional Writing 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>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Area V Distribution Requirement (Foreign Language)</td>
<td>3</td>
</tr>
<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>
</tr>
<tr>
<td>Free Elective Courses</td>
<td>6</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>Writing in Professional Cultures</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary Writing</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Composition</td>
<td>3</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 II Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area 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 (Foreign Language)</td>
<td>3</td>
</tr>
<tr>
<td>Begin courses for Minor Field</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31-32</strong></td>
</tr>
</tbody>
</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Writing</td>
<td>3</td>
</tr>
<tr>
<td>Language and Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>Rhetorical Theory</td>
<td>3</td>
</tr>
<tr>
<td>Experiential Learning</td>
<td></td>
</tr>
<tr>
<td>(1st or 2nd semester junior year or summer after junior year)</td>
<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirement</td>
<td>3-4</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>English/Humanities elective</td>
<td>3</td>
</tr>
<tr>
<td>Continue courses for Minor Field</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total</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>
</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 specialization courses, professional preparation courses, and a professional semester of student teaching. This program provides both education 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 English courses develop knowledge and skills in the fields of Literary Studies and Writing, while 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 concentrates on the study of literature, writing, language and linguistics. It includes 18 credit hours of literature specialization courses, with requirements chosen from the History/Culture, Genre, Figure/Author, and Theory/Thematics modes of study.

Students must apply for admission into the Teacher Education Program according to the Education Department’s guidelines. In addition, students must complete 190 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 127 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.

<table>
<thead>
<tr>
<th>Writing Electives (one course may be optional second Experiential Learning course/Internship)</th>
<th>6</th>
</tr>
</thead>
<tbody>
<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></td>
<td>30</td>
</tr>
</tbody>
</table>
Required Courses in Secondary Education-English Major:

Discipline Certification Requirements
LIT210 Studies in Theory/Criticism
LIT228 Found English Studies
LIT270 Young Adult Lit
LIT310 Language & Linguistics
THE205 Text Performance
WRT290 Teaching & Tutoring
WRT315 Advanced Composition
FLM216 Introduction to Film OR
LIT393 Literature and Film

Literary Modes (9 credits must be at the 300 level or higher) (Check with your advisor for other courses that may fulfill individual mode requirements.)

History/Culture specialization courses from the following list (3 credits in American Lit, 3 credits in Brit Lit, 3 credits in elective area):

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
LIT/THE 410 Western Theatre
LIT/THE 415 Non-Western Theatre

Genre specialization courses from the following list (3 credits):
LIT291 The Short Story
LIT313 The American Novel
LIT327 Twentieth Century Novel
LIT343 The Experience of Poetry
LIT376 Contemporary Poetry
LIT391 Literature of Terror
LIT393/FLM393 Literature and Film
LIT395 Fantasy Literature
LIT416/THE416 Modern Drama

Figure/Author specialization courses from the following list (3 credits):
LIT323 Shakespeare I OR
LIT324 Shakespeare II
**Theory/Thematics specialization courses from the following list (3 credits):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT341</td>
<td>The Comic Tradition</td>
</tr>
<tr>
<td>LIT342</td>
<td>Popular Literature</td>
</tr>
<tr>
<td>LIT344/WGS344</td>
<td>Love and Sex in Literature</td>
</tr>
<tr>
<td>LIT347</td>
<td>Literature and Psychology</td>
</tr>
<tr>
<td>LIT381</td>
<td>Literary Theory</td>
</tr>
<tr>
<td>LIT382/WGS382</td>
<td>Women in Literature</td>
</tr>
<tr>
<td>LIT385</td>
<td>British Modernism</td>
</tr>
<tr>
<td>LIT387</td>
<td>Women’s Writing and Resistance</td>
</tr>
<tr>
<td>LIT389</td>
<td>Postcolonial Theory</td>
</tr>
</tbody>
</table>

**Professional Preparation Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU200</td>
<td>Introduction to American Education</td>
</tr>
<tr>
<td>EDU210</td>
<td>Instructional Technology</td>
</tr>
<tr>
<td>EDU375</td>
<td>Psychology of Teaching/Sec. Ed.</td>
</tr>
<tr>
<td>PSY100</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SPE200</td>
<td>Processes/Procedures</td>
</tr>
<tr>
<td>EDU335</td>
<td>Instructional Needs of ELL</td>
</tr>
<tr>
<td>SE351</td>
<td>Teaching Strategies</td>
</tr>
<tr>
<td>SE353</td>
<td>Teaching Communication</td>
</tr>
<tr>
<td>SE402</td>
<td>Community and Legal Issues in Education</td>
</tr>
<tr>
<td>SPE300</td>
<td>Effective Inst’l Methods</td>
</tr>
<tr>
<td>SPE301</td>
<td>Literacy Development</td>
</tr>
</tbody>
</table>

**Student Teaching Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE404</td>
<td>Student Teaching <strong>OR</strong></td>
</tr>
<tr>
<td>SE405</td>
<td>Focused Studies</td>
</tr>
<tr>
<td>SE412</td>
<td>Practicum in Student Teaching</td>
</tr>
<tr>
<td>SE413</td>
<td>Selected Topics in Education</td>
</tr>
<tr>
<td>SE416</td>
<td>Directed Professional Education Experience</td>
</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 must be scheduled the academic term immediately prior to the Student Teaching Semester.
4Students are required to have earned a cumulative grade point average of 3.0 before admittance to the Student Teaching Semester.
5Taken as an option to SE404 by students seeking the degree without certification.

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**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>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>Area V Foreign Language</td>
<td>6</td>
</tr>
<tr>
<td>Found English Studies</td>
<td>3</td>
</tr>
</tbody>
</table>
234 Programs of Study

Intro American Education 3
General Psychology 3
Physical Education 1

**Sophomore Year**

Instructional Technology 3
Area III Distribution Requirements 3
MATXXX 3
Text Performance 3
Human Communication 3
Physical Education 1
Area IV Distribution Requirements 3
SPE Processes/Procedures 3
Studies in Theory/Criticism 3
Teaching & Tutoring Writing 3
Young Adult Lit 3
Intro to Film OR Literature and Film 3

**Junior Year**

Area III Distribution Requirements 3
Teaching Strategies 3*
Psychology Teaching/Learning/Sec 3
Language and Linguistics 3
Advanced Comp 3
Teaching Communication 3*
Effective Inst’l Methods 3
Free Elective 3
Specialization Courses in Literary Modes 9

**Senior Year**

Instructional Needs of ELL 3
Community/Legal Issues 3
Literacy Development 3
Specialization Courses in Literary Modes 9
Student Teaching OR Focused Studies 10
Practicum in Student Teaching 1
Selected Topics In Education 1

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*We do not recommend taking SE351 and SE353 in the same 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.

Requirements of the Spanish Major:

- SPN201 Intermediate Spanish I
- SPN202 Intermediate Spanish II
- SPN205 Intermediate Conversational Spanish
- SPN206 Reading Strategies in Spanish
- SPN301 Adv. Oral/Written Spanish
- SPN307 Spanish Culture and Civilization

*Students must receive a grade of 2.0 or higher in each course in the major.
SPN308 Spanish American Culture and Civilization
SPN315 Introduction to Literature of Spain
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 Spanish Education

The Spanish Education program is designed to prepare students for a career in teaching Spanish at any level from K-12. The program includes coursework in the following areas: General Education Requirements, English and Humanities Department requirements, Spanish language, literature and culture courses, professional preparation courses, and a professional semester of student teaching. This program provides instruction and practical experiences in determining effective instructional approaches in teaching the five skill areas of foreign language: listening comprehension, speaking, reading, writing, and cultural competence.

Students develop an awareness of the many responsibilities faced by Spanish teachers and learn how to work within today’s school environment. They learn to establish age-appropriate educational goals and objectives, to develop meaningful classroom activities for students to practice their skills, and to devise methods of assessing learning. The Education courses focus on the effectiveness of the teacher’s methods and on the value of the students’ learning experiences. The Spanish Education program emphasizes the acquisition of an advanced skill level in spoken and written Spanish, as well as an appreciation of the cultural manifestations of Spanish-speaking countries. In order to reach an advanced level of competence, students take coursework in advanced grammar, oral and written skills, Spanish and Spanish American literature and culture, and six credits of elective credits in a study abroad program. 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 I Reading, Writing, and Mathematics exams and the PRAXIS II exams for Spanish (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 Spanish Education must complete a minimum of 124 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 apply for and to begin the Student Teaching Semester, must achieve a grade of 3.0 or higher in each of WRT102, WRT202, MAT111, a second math course, EDU200, and EDU210. 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 Spanish Education Major:

Discipline Certification Requirements (39 credits)\(^2\)

- SPN 201 Intermediate Spanish I
- SPN 202 Intermediate Spanish II
- SPN 205 Intermediate Spanish Conversation
- SPN 206 Reading Strategies in Spanish
- SPN 301 Advanced Oral and Written Expression in Spanish
- SPN 307 Spanish Culture and Civilization
- SPN 308 Spanish American Culture and Civilization
- SPN 315 Introduction to the Literature of Spain
- SPN 316 Introduction to the Literature of Spanish America
- SPN 420 Advanced Spanish Grammar
- SPN 425 Spanish Linguistics

Spanish electives at 300 level or above (6 credits) must be taken in an approved program of study abroad

Professional Preparation Courses

- MAT Mathematics (See advisor)
- PSY 100 General Psychology\(^1\)
- EDU 200 Introduction to American Education
- EDU 210 Instructional Technology
- EDU 370 Psy./Learning Elem. OR
- EDU 375 Psy./Learning Sec.
- EDU 335 Inst’l Needs of ELL
- EDU 470 Professional Development
- EDU 480 Community/Legal Issues\(^3\)
- SPE 200 Processes & Procedures
- SPE 300 Effective Inst’l Methods
- SPE 301 Literacy Development
- SPN 364 Teaching Spanish Early Childhood/Middle Level
- SPN 365 Teaching Spanish Secondary Level
Student Teaching Semester\(^4\)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECH 495 or SE404</td>
<td>Student Teaching OR</td>
</tr>
<tr>
<td>ECH 480 or SE405</td>
<td>Focused Studies(^5)</td>
</tr>
<tr>
<td>ECH 485 or SE412</td>
<td>Practicum in Student Teaching</td>
</tr>
<tr>
<td>ECH 490 or SE413</td>
<td>Selected Topics in Education</td>
</tr>
<tr>
<td>MLE 495 or SE416</td>
<td>Directed Professional Education Experience(^6)</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.
\(^3\)EDU480 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 by students that have been withdrawn from Student Teaching.

**Spanish Education Suggested Course Sequence:**

**Freshman Year**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical Reading/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>Introduction to American Education</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Spanish I</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Spanish II</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts and Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Math Selection above 105</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>35</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processes &amp; Procedure</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts and Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>Laboratory Elective Science</td>
<td>6-8</td>
</tr>
<tr>
<td>American/Western Civ; Amer Gov’t</td>
<td>3</td>
</tr>
<tr>
<td>Intermediate Spanish Conversation</td>
<td>3</td>
</tr>
<tr>
<td>Reading Strategies in Spanish</td>
<td>3</td>
</tr>
<tr>
<td>Spanish Culture &amp; Civilization</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education Electives</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>26-28</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psy. Learning Elementary OR</td>
<td></td>
</tr>
<tr>
<td>Psy. Learning Secondary</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Oral and Written Spanish</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Literature Spain</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Literature Span-Am</td>
<td>3</td>
</tr>
</tbody>
</table>
Spanish American Culture & Civ. 3
Teaching Spanish Elem School 3
Inst’l Needs of ELL 3
American/Western Civ; Amer Gov’t 3
Literacy Development 3

Senior Year  Credits
Effective Inst’l Methods 3
Professional Development 3
Advanced Spanish Grammar 3
Spanish Linguistics 3
Teaching Spanish Secondary Level 3
Spanish Electives 300-400 level 6
Community/Legal Issues 3

MLE495 OR SE404 Student Teaching 12
36

DEPARTMENTAL MINORS

The English and Humanities Department offers minors in Literary Studies, 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 and complement their academic backgrounds, regardless of their primary fields of study.

Creative Writing Minor

WRT272 Introduction to Creative Writing
WRT3XX Literary Publishing
LIT200 Perspectives in Literature

ONE of the following:

WRT382 Fiction Writing
WRT372 Poetry Writing
WRT373 Creative Nonfiction Writing

TWO of the following:

WRT275 Playwriting
WRT312 Writing Humor
WRT315 Advanced Composition
WRT320 Writing for the Web
WRT370 Special Topics in Creative Writing
WRT3XX Fiction Writing
WRT372 Poetry Writing
240 Programs of Study

WRT3XX     Document Design
WRT373     Creative Nonfiction Writing
WRT374     Writing Children’s Literature
WRT377     Screenwriting
WRT410     Professional Editing
WRT450/451 Internship (if internship is creative writing focused, to be approved by Writing Committee)
WRT498/499 Independent Study (this must be on a creative writing subject, to be approved by the Writing Committee)

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 Minor

French courses beyond elementary level, at least 6 credits of which must be 300 level and include a literature course.

German Minor

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 Minor

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 Minor

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 Minor

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 Minor**

- 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 or higher.)

**Spanish Minor**

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.
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), Political Science (Pi Sigma Alpha), and Geography (Gamma Theta Upsilon) 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)

- HIS101 History of Western Civilization I
- HIS102 History of Western Civilization II
- HIS111 American Civilization I
- HIS112 American Civilization II
- HIS200 Methods and Theory in History
- HIS499 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>
</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>History of Western Civilization I &amp; II</td>
<td>6</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td><strong>32-34</strong></td>
<td></td>
</tr>
</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>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
- PS248 Gov./Politics of Caribbean
- 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
- PS473 Social Movements in the World
- PS476 American/East Asian Relations
- 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; HIS 101, 102, 121, 122, 130, 140, 141,
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:**

<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>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>International Relations</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>Area IV Distribution Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>32</td>
</tr>
</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>Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td>International Political Economy</td>
<td>3</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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS141</td>
<td>American Government: Foundations/Institutions</td>
</tr>
<tr>
<td>PS142</td>
<td>American Government: Process and Policy</td>
</tr>
<tr>
<td>PS151</td>
<td>Public Administration OR PS242 State/Local Government</td>
</tr>
<tr>
<td>PS260</td>
<td>Comparative Politics</td>
</tr>
<tr>
<td>PS262</td>
<td>Scope and Methods of Political Science</td>
</tr>
<tr>
<td>PS302</td>
<td>International Relations</td>
</tr>
<tr>
<td>PS368</td>
<td>Ancient Political Thought or PS369 Modern Political Thought</td>
</tr>
<tr>
<td>PS450</td>
<td>Senior Seminar</td>
</tr>
</tbody>
</table>

Two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS101</td>
<td>Western Civilization I</td>
</tr>
<tr>
<td>HIS102</td>
<td>Western Civilization II</td>
</tr>
<tr>
<td>H111</td>
<td>History of American Civilization I</td>
</tr>
<tr>
<td>H112</td>
<td>History of American Civilization II</td>
</tr>
</tbody>
</table>

Political Science Electives (27 credits)

*Students must choose nine additional Political Science courses (PS). Seven must be at the 300 level or above.*

Support Courses (3 credits)

One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO200</td>
<td>Principles of Economics - Macro</td>
</tr>
<tr>
<td>G243</td>
<td>Introduction to Geography</td>
</tr>
<tr>
<td>G331</td>
<td>Metropolitan Development</td>
</tr>
<tr>
<td>G332</td>
<td>Globalizing Economic World</td>
</tr>
<tr>
<td>G361</td>
<td>Introduction to Geographic Information Systems</td>
</tr>
</tbody>
</table>

**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><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>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>
</tbody>
</table>

**Total Credits:** 32-34

**Junior Year**

<table>
<thead>
<tr>
<th>Course</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>
</tbody>
</table>

**Total Credits:** 30

**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior Seminar in Political Science</td>
<td>3</td>
</tr>
<tr>
<td>Political Science Electives</td>
<td>15</td>
</tr>
<tr>
<td>Elective Courses</td>
<td>12</td>
</tr>
</tbody>
</table>

**Total Credits:** 30

**Bachelor of Arts Degree in Secondary Education-Social Studies**

**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 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 and earn a 3.0 or higher in this course as well.

Secondary Education-Social Studies is a dual major offered in conjunction with the Department of Education. Students who complete the Social Studies major can earn a second major and degree in History without taking any additional courses by taking Historical Geography as their second geography course and American Constitutional Thought or European Union as their second government class.
Required Courses in Secondary Education-Social Studies Major:

Discipline Certification Requirements

- ECO200 Principles of Economics-Macro OR ECO201 Principles of Economics-Micro
- G243 Introduction to Geography
- HIS101 History of Western Civilization I
- HIS102 History of Western Civilization II
- HIS111 History of American Civilization I
- HIS112 History of American Civilization II
- PS141 American Government: Institutions OR PS142 American Government: Process
- ANT210 Introduction to Physical Anthropology OR ANT220 Cultural Anthropology

One additional Geography course chosen from the following list:
- G331, G332, G336, G341, G361, G70

One additional Government course chosen from the following list:
- PS242, PS371, PS372, PS474, PS479

(Student who chose to take Historical Geography as their second geography course and American Constitutional Thought or European Union as their second government course will achieve a second degree and major in history.)

- HIS200 Methods/Theory History
- HIS499 Sr. Seminar in History

12 additional credits in History

Pre-Professional Educator Status (PPES)

- EDU210 Educational Technology (must earn a 3.0 or better)
- EDU200 Introduction to American Education (must earn a 3.0 or better)
- Math (see advisor)
- PSY100 General Psychology
- EDU375 Psyc of Teaching/Learning Secondary
- SOC100 Introduction to Sociology
- SPE 200 Processes & Procedures

Professional Preparation Courses

- EDU335 Instructional Needs of ELL
- EDU480 Community and Legal Issues in Education
- SE351 Teaching Strategies
- SE352 Teaching Secondary Education Social Studies
- SPE300 Effective Inst’l Methods
- SPE301 Literacy Development

Student Teaching Semester

SE404 Student Teaching OR
SE405  Focused Studies
SE412  Pract. in Student Teaching
SE413  Selected Topics in Ed.

OR

Professional Semester

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.
8 Course must be taken at York College.

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>
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<tr>
<td>Academic Writing</td>
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</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>
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<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>
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<tr>
<td>Physical Education</td>
<td>2</td>
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<tr>
<td>Introduction to American Education</td>
<td>3</td>
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<thead>
<tr>
<th>Sophomore Year</th>
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<tbody>
<tr>
<td>Math</td>
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<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Sec. Ed</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>American Civilization I and II</td>
<td>6</td>
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<tr>
<td>American Government</td>
<td>3</td>
</tr>
<tr>
<td>Methods/Theory of History</td>
<td>3</td>
</tr>
<tr>
<td>Special Education Processes &amp; Procedures</td>
<td>3</td>
</tr>
<tr>
<td>Additional Government course</td>
<td>3</td>
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<td></td>
<td>36</td>
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</table>
### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Instructional Needs of ELL</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Geography</td>
<td>3</td>
</tr>
<tr>
<td>Additional Geography course</td>
<td>3</td>
</tr>
<tr>
<td>Cultural or Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>History Electives</td>
<td>12</td>
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<tr>
<td>Teaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
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<tr>
<td>Area III Distribution Requirements</td>
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</tr>
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</table>

### Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Macro or Micro Economics</td>
<td>3</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>Effective Inst’l Methods</td>
<td>3</td>
</tr>
<tr>
<td>Literacy Development</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 ED404 OR Focused Studies ED405 OR Alternative Program Practicum in Student Teaching SE412 Selected Topics SE413</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>30</td>
</tr>
</tbody>
</table>

### DEPARTMENTAL MINORS

#### African and African-American Studies Minor (18 credits)

At least six credits from these courses:

- INT143 Introduction to Africa
- PS243 Government and Politics of Africa
- HIS140 History of Africa I
- HIS 141 History of Africa II
- LIT386 African Literature

At least six credits from these courses:

- HIS388 Race and Racism
- HIS363 Coming of the Civil War OR HIS364 Civil War and Reconstruction
- HIS460 The Civil Rights Movement
- SOC315 Ethnic and Minority Relations
- LIT203 African-American Literature
Two additional courses from the above categories.

**American History Minor (18 credits)**

HIS111-112 American Civilization I & II

Four courses from the following:

- HIS350 American Colonial History
- HIS352 New American Nation
- HIS353 The Jacksonian Era
- HIS363 Coming of the Civil War
- HIS364 Civil War and Reconstruction
- HIS365 Emergence of Modern America
- HIS373 Twentieth-Century America
- HIS375 Recent America
- HIS371, HIS372 American Constitutional Thought
- HIS380 American Military Experience
- HIS386 Historical Geography of North America
- HIS387 North American Environmental History
- HIS388 Race and Racism
- HIS390 Women in the United States
- HIS395, HIS396 Special Topics in American History
- HIS441 Native American History
- HIS460 The Civil Rights Movement
- HIS461 America in the Sixties
- HIS462 US in Vietnam
- HIS470 Baseball History
- HIS471 Film, Fiction and History
- HIS489, 499 Special Topics in American History

**Geography Minor (18 credits)**

- G243 Introduction to Geography
- G361 Introduction to Geographic Information Systems
- ESS152 Earth/Space Science

One course selected from the following:

- G241/G242 International Service Learning
- G341 Geography of North America
- G348/G349 Cultures and Environments Field Series
- G350 Survey of Canada

Two courses selected from the following:

- G260 Introduction to Cartography
- G331 Metropolitan Development
- G332 Globalizing Economic World
Legal Studies Minor (18 credits)

PS317 Principles of 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/HIS371 American Constitutional Thought: Political Institutions
PS372/HIS372 American Constitutional Thought: Civil Liberties
PS407 Health Policy Law
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)
BUS260 Legal Environment of Business

Political Science Minor (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 Minor (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
PS248 Government and Politics of the Caribbean
PS250 Government and Politics of South Asia

One course selected from the following:
ECO400 International Economics
G332 Globalizing Economic World
PS306 International Organizations

Public Administration Minor (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 Metropolitan Development
G361 Introduction to Geographic Information Systems

World History Minor (18 credits)
HIS101-102 Western Civilization I & II or
HIS121-122 World History I & II

Four courses selected from the following:
H130 Colonial History of Latin America
HIS140-141 History of Africa I & II
HIS300 Ancient History
HIS301 Medieval History
HIS302 Renaissance and Reformation
HIS319 Europe in the 19th Century
HIS320 Europe after 1914
HIS325 History of Russia
HIS330-331 History of Britain I & II
HIS333 British Empire
HIS334 History of Modern Ireland
HIS337 Modern Germany
HIS340 Women and War
HIS343 Modern Latin America
HIS397-398 Special Topics in World History
HIS400 Classical Social History
HIS401 The Vikings
HIS402  The Black Death
HIS403  The European Witch Craze
HIS420  The First World War
H420    Nazi Germany
H427-428 Modern Europe I & II
HIS486  Holocaust in Film
HIS440  History of Terrorism
HIS487-488 European Union
HIS491-492 Special Topics in World History
HIS493-494 Special Topics in British History
DEPARTMENT OF MUSIC, ART, AND COMMUNICATION

The Department of Music, Art and Communication is rooted in the liberal arts tradition that teaches and expresses the human experience through sounds, images, and words. 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 mass communication, public relations, and theatre. Courses in audio and video production are of interest to those in graphic design, music, public relations, and theatre. Musical and theatrical performances present opportunities for all of the Department’s majors to take an active part in these important cultural and creative outlets.

The Department administers one of the most active internship programs on campus. Students are encouraged to investigate the internship options 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.

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. 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.

Provisional Fine Art/Graphic Design Majors

Students who are interested in Fine Art or Graphic Design, but are not yet ready to submit a portfolio, may declare themselves as Provisional Fine Art or Provisional Graphic Design majors, hereafter referred to as Provisional. Becoming Provisional indicates that the student’s intent is to eventually apply to Fine Art or Graphic Design, and assures assignment to an advisor who specializes in providing students with guidance towards the goal of acceptance into the desired major.
New incoming students should inform admissions of their intent to apply to Fine Art or Graphic Design upon acceptance to the College, and will then be processed as Provisional majors. New incoming Provisionals will receive a block schedule containing courses applicable to their desired eventual major, as space permits, with preference given to accepted and declared Fine Art or Graphic Design majors with deposits paid.

Current York College students who wish to become Provisional should contact the Academic Advising Office, request a meeting with the Provisional advisor concerning the program’s status, then request a switch to Provisional if desired.

Becoming a Provisional major does not guarantee acceptance into either of the art programs. Provisional majors are subject to the same portfolio submission criteria and deadlines as new incoming students. Provisional majors should be prepared to stay at York College at least a year longer than those who enter the programs as first-semester freshmen to complete their degrees. A student’s advisor will help them to progress through the programs as efficiently as possible once accepted.

**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 Fine Art Major:**

**Foundation Courses**

- ART206  Computer Graphics I
- ART210  Design I
- ART211  Design II
- ART215  Drawing I
- ART220  Painting I
- ART265  Drawing II
- ART230  Sculpture I

**Art History Courses**

- ART204  Survey of Western Art I
- ART205  Survey of Western Art II
- Two Art History Electives (ART388, ART389, ART390, ART391, ART393, ART394, ART395)

**Major Required Courses**

- ART298  Sophomore Portfolio Review
- ART435  Professional Development Seminar
- ART440  Senior Portfolio Review and Exhibition
- ART437  Fine Art Seminar
- ART450  Art Internship OR ART498 Independent Study

**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:**

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Graphics I</td>
<td>3</td>
</tr>
<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>
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<tr>
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<tr>
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<tbody>
<tr>
<td>Design II</td>
<td>3</td>
</tr>
<tr>
<td>Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>Survey Western Art I</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
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<td>Human Communication</td>
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<td>Information Literacy</td>
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**Sophomore Year**

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<td>Sculpture I</td>
<td>3</td>
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<tr>
<td>Painting I</td>
<td>3</td>
</tr>
<tr>
<td>Survey of Western Art II</td>
<td>3</td>
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<tr>
<td>Area II Distribution Requirement</td>
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<tr>
<td>Area V 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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</table>

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Primary Emphasis</td>
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<tr>
<td>Secondary Emphasis</td>
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<td>Sophomore Portfolio Review</td>
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<td>Area III Distribution Requirement</td>
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<tr>
<td><strong>Total</strong></td>
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</table>

**Junior Year**

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<tr>
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<th>Credits</th>
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<td>Primary Emphasis</td>
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<tr>
<td>Secondary Emphasis</td>
<td>3</td>
</tr>
<tr>
<td>Art History Elective</td>
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</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 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.

| Area I Distribution Requirement | 3 |
| Area II Distribution Requirement | 3 |
| **Total** | **15** |

**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** |

### Senior Year

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
</tr>
</tbody>
</table>
- Primary Emphasis | 3
- Fine Art Seminar | 3
- Art Internship OR Independent Study | 3
- Free Electives | 6
| **Total** | **15** |

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Spring</strong></td>
</tr>
</tbody>
</table>
- Senior Portfolio Review/Exhibition | 3
- Area I Distribution Requirement | 3
- Area IV Distribution Requirement | 3
- Free Electives | 6
| **Total** | **15** |
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 Graphic Design Major:

- ART200 Introduction to Graphic Design
- ART206 Computer Graphics I
- ART215 Drawing I
- ART265 Drawing II
- ART218 Typography I
- ART220 Painting I
- ART287 Printmaking I

Art History Courses

- ART204 Survey of Western Art I
- ART205 Survey of Western Art II
- ART389 History of Graphic Design
- Art History Elective (ART388, ART390, ART391, 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>Introduction to Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>Computer Graphics I</td>
<td>3</td>
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<td>Drawing I</td>
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<td>Critical Thinking/Problem Solving</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td></td>
</tr>
<tr>
<td>Survey Western Art I</td>
<td>3</td>
</tr>
<tr>
<td>Typography I</td>
<td>3</td>
</tr>
<tr>
<td>Drawing II</td>
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<td>Academic Writing</td>
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<tr>
<td>Human Communication</td>
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<tr>
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<td><strong>Total</strong></td>
<td><strong>17</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
<td></td>
</tr>
<tr>
<td>Survey of Western Art II</td>
<td>3</td>
</tr>
<tr>
<td>Painting I</td>
<td>3</td>
</tr>
<tr>
<td>The Digital Image</td>
<td>3</td>
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<td>Computer Graphics II</td>
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<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>
### Spring
- Typography II 3
- Printmaking I 3
- Sophomore Portfolio Review 1
- History of Graphic Design 3
- Area III Distribution Requirement 3
- Area IV Distribution Requirement 3

**Total Credits**: 16

### Junior Year

#### Fall
- Publication Design OR Motion Graphics 3
- Computer Graphics III 3
- Area I Distribution Requirement 3
- Area II Distribution Requirement 3
- Area V Distribution Requirement 3

**Total Credits**: 15

#### Spring
- Motion Graphics OR Publication Design 3
- Junior Design Studio 3
- Professional Development Seminar 3
- Area III Distribution Requirement 3
- Free Elective 3
- Physical Education 1
- Internship OR Independent Study 3
  (usually in summer)

**Total Credits**: 19

### Senior Year

#### Fall
- Senior Design Studio 3
- Art Elective 3
- Art History Elective 3
- Area IV Distribution Requirement 3
- Free Elective 3

**Total Credits**: 15

#### Spring
- Senior Portfolio Review/Exhibition 1
- Art Elective 3
- Area I Distribution Requirement 3
- Area II Distribution Requirement 3
- Free Electives 6

**Total Credits**: 16
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 relation 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.

Required Courses for Speech Communication Major:

- 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:**

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year</strong></td>
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<td></td>
</tr>
<tr>
<td>Analytical Reading and Writing</td>
<td></td>
<td>3</td>
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<tr>
<td>Information Literacy</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Critical Thinking/Problem Solving in Math</td>
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<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
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<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
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<td>3</td>
</tr>
<tr>
<td>Area III Distribution Requirements</td>
<td></td>
<td>6-8</td>
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<tr>
<td>Human Communication or Elective</td>
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<td>3</td>
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<tr>
<td>Free Elective</td>
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<td>3</td>
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<tr>
<td>Public Speaking Practicum</td>
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<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
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<td><strong>Total</strong></td>
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<td>29-31</td>
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<tr>
<td><strong>Sophomore Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Academic Writing</td>
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</tr>
<tr>
<td>Area Elective</td>
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<td>3</td>
</tr>
<tr>
<td>Elective or Human Communication</td>
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<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Communication Theory</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Rhetoric and Public Address</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Competency Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
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<td>6</td>
</tr>
<tr>
<td>Public Speaking Practicum</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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<td>32</td>
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<tr>
<td><strong>Junior Year</strong></td>
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<tr>
<td>Area I Distribution Requirement</td>
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<td>3</td>
</tr>
<tr>
<td>Humanities, Social or Behavioral Science Electives</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Competency Courses</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>Persuasion</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Interpersonal Communication</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>
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.

Required Courses for Mass Communication Major:
- 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:**

**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>
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<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>Human Communication or Elective</td>
<td>3</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td>Radio Practicum</td>
<td>1</td>
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<tr>
<td>Physical Education</td>
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<tr>
<td>Performance I</td>
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<tr>
<td>Visual Communication Course</td>
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**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>Area Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective or Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Communication Theory</td>
<td>3</td>
</tr>
</tbody>
</table>
Mass Communication 3
Audio Production 3
Area V Distribution Requirements 6
Physical Education 1
Visual Communication Course 3

\[\frac{34}{34}\]

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Support Courses in Major</td>
<td>9</td>
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<tr>
<td>Video Production I</td>
<td>4</td>
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<tr>
<td>Area Elective</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>8</td>
</tr>
<tr>
<td>Broadcast Media Writing</td>
<td>3</td>
</tr>
<tr>
<td>News Writing/Production</td>
<td>3</td>
</tr>
<tr>
<td>Video Production II</td>
<td>4</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>34</strong></td>
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**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
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<tr>
<td>Media Management</td>
<td>3</td>
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<tr>
<td>Media Laws and Ethics</td>
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<td>Free Electives</td>
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<tr>
<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.

**Required Courses for Public Relations Major:**

- 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**

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</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>
<td>3</td>
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<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>Human Communication or Elective</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
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<tr>
<td>Physical Education</td>
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</table>

**Total Credits:** 30-32

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Academic Writing</td>
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<tr>
<td>Print Media Writing</td>
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<tr>
<td>Area IV Distribution Requirement</td>
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<td>Area II Distribution Requirement</td>
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**Total Credits:**
### Programs of Study

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<th>Course</th>
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<td>Communication Theory</td>
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<tr>
<td>Introduction to Public Relations</td>
<td>3</td>
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<td>Area V Distribution Requirements</td>
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<td>Physical Education</td>
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<td>Free Elective</td>
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#### Junior Year

<table>
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<th>Course</th>
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<td>Area I Distribution Requirement</td>
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</tr>
<tr>
<td>Humanities, Social or Behavioral Science Electives</td>
<td>6</td>
</tr>
<tr>
<td>Support Courses</td>
<td>9</td>
</tr>
<tr>
<td>Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>Writing for Public Relations</td>
<td>3</td>
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<tr>
<td>Area Elective</td>
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<tr>
<td>Free Electives</td>
<td>6</td>
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<tr>
<td></td>
<td>33</td>
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</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Humanities, Social or Behavioral Science Electives</td>
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<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Support Course</td>
<td>3</td>
</tr>
<tr>
<td>Public Relations Planning</td>
<td>3</td>
</tr>
<tr>
<td>Public Relations Campaigns</td>
<td>3</td>
</tr>
<tr>
<td>Media Laws and Ethics</td>
<td>3</td>
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<tr>
<td>Free Electives</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>30</td>
</tr>
</tbody>
</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, 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, 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 required to perform at a student recital at least once each academic year.

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) General Music Education (BSGME), or Music (BS/MIRT) must pass a piano proficiency examination, which is normally taken after four semesters of lessons. The examination may include 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. 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 daily (typically at least one hour) in order to make the necessary progress toward mastery of his or her instrument.

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 137 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 Major:**

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–IV
  - MUS184–285 Sight Singing/Ear Training I–IV
  - MUS380 Ethnomusicology
  - MUS390 Music History I
  - MUS391 Music History 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>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>Academic Writing</td>
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<tr>
<td>Critical Thinking and Problem Solving</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>Introduction to American Education</td>
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<tr>
<td>Foundations to Music Theory (may be exempt)</td>
<td>3</td>
</tr>
<tr>
<td>Music Theory I</td>
<td>3</td>
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<tr>
<td>Sight Singing and Ear Training I</td>
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<tr>
<td>Area IV Distribution Requirement</td>
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<tr>
<td>Foreign Language Diction OR Vocal Methods</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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<td>Music Ensemble</td>
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<tr>
<td><strong>Total Credits</strong></td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
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<tr>
<td>Area III Distribution Requirement</td>
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<tr>
<td>Instructional Technology</td>
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</tr>
<tr>
<td>Special Processes and Procedures</td>
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<tr>
<td>General Psychology</td>
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</tr>
<tr>
<td>Math (MAT150 recommended, see advisor)</td>
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<td>Physical Education</td>
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<td>Music Theory II, III</td>
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<tr>
<td>Course</td>
<td>Credits</td>
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<td>---------</td>
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<tr>
<td>Sight Singing and Ear Training II, III</td>
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<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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<td>Music Ensemble</td>
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<tr>
<td><strong>Junior Year Credits</strong></td>
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<td>Instructional Technology</td>
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<td>Music Theory IV</td>
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<td>Sight Singing and Ear Training IV</td>
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<td>String Methods</td>
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<td>Brass Methods</td>
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<td>Woodwind Methods</td>
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<td>Percussion Methods</td>
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<tr>
<td>Teaching Music in the Elementary School</td>
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<tr>
<td>Teaching Music in the Secondary School</td>
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<tr>
<td>Form and Analysis</td>
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<td>Orchestration and Arranging</td>
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<tr>
<td>Instructional Needs of ELL</td>
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<tr>
<td>Choral Conducting</td>
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<tr>
<td>Instrumental Conducting</td>
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<td>Effective Instructional Methods</td>
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<tr>
<td>Music Ensemble</td>
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<tr>
<td>Primary Applied</td>
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<tr>
<td><strong>Senior Year Credits</strong></td>
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<td>Area III Distribution Requirement</td>
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<td>Area IV Distribution Requirement</td>
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<tr>
<td>Area V Distribution Requirement</td>
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<tr>
<td>Literary Development</td>
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<tr>
<td>Community and Legal Issues in Education*</td>
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<tr>
<td>Psychology of Teaching</td>
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<tr>
<td>Primary Applied Music</td>
<td>1</td>
</tr>
<tr>
<td>Senior Recital</td>
<td>0</td>
</tr>
<tr>
<td>Music Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>Student Teaching (K-12) OR</td>
<td></td>
</tr>
<tr>
<td>Focused Studies</td>
<td>8</td>
</tr>
<tr>
<td>Practicum in Student Teaching</td>
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</tr>
<tr>
<td>Selected Topics in Education</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>32</strong></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 Music (With Studies in Music Industry and Recording Technology) (BSM/MIRT)

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 a music industry professional, 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 BSM/MIRT Major:**

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS181</td>
<td>Foundations of Music Theory (may be exempt)</td>
</tr>
<tr>
<td>MUS181-183</td>
<td>Music Theory I–II</td>
</tr>
<tr>
<td>MUS184–185</td>
<td>Sight Singing/Ear Training I–II</td>
</tr>
<tr>
<td>MUS246</td>
<td>Jazz and Popular Music Theory</td>
</tr>
<tr>
<td>MUS247</td>
<td>Commercial Song Writing</td>
</tr>
<tr>
<td>MUS290</td>
<td>Introduction to Music Literature</td>
</tr>
</tbody>
</table>

### Support Courses (choose four)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MUS286</td>
<td>Jazz History</td>
</tr>
<tr>
<td>MUS287</td>
<td>American Popular Music</td>
</tr>
<tr>
<td>MUS288</td>
<td>History of Rock and Roll</td>
</tr>
<tr>
<td>MUS 281</td>
<td>World Music</td>
</tr>
<tr>
<td>MUS450/451</td>
<td>Music Industry Internship</td>
</tr>
<tr>
<td>MUS498/499</td>
<td>Independent Study</td>
</tr>
<tr>
<td>MUS299</td>
<td>Music and Culture in 20th Century</td>
</tr>
</tbody>
</table>

### Business, Music Industry, and Recording Technology Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MKT100</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>MGT150</td>
<td>Principles of Management</td>
</tr>
<tr>
<td>ENT260</td>
<td>Entrepreneurship/Small Bus Mgt</td>
</tr>
<tr>
<td>CM221</td>
<td>Introduction to Public Relations</td>
</tr>
<tr>
<td>MUS297</td>
<td>Survey of Music Industry</td>
</tr>
<tr>
<td>MUS397</td>
<td>Entertainment and Promotion</td>
</tr>
<tr>
<td>MUS497</td>
<td>Copyright and Licensing</td>
</tr>
<tr>
<td>CM226</td>
<td>Audio Production I</td>
</tr>
<tr>
<td>MUS346</td>
<td>Music Production I</td>
</tr>
<tr>
<td>MUS446</td>
<td>Music Production II</td>
</tr>
</tbody>
</table>
Music Performance Courses

- Primary Applied Music: 4 Credits
- Secondary Applied Music: 2 Credits (2 credits must be in piano)
- Music Ensemble: 4 Credits

**BSM/MIRT 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>Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>Applied Piano</td>
<td>1</td>
</tr>
<tr>
<td>Applied Music</td>
<td>2</td>
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<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>
<td>2</td>
</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>
<td>Music Support Course</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
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<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>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Audio Production I</td>
<td>3</td>
</tr>
<tr>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>Sight Singing and Ear Training II</td>
<td>1</td>
</tr>
<tr>
<td>Jazz and Popular Music Theory</td>
<td>3</td>
</tr>
<tr>
<td>Survey of Music Industry</td>
<td>3</td>
</tr>
<tr>
<td>Applied Piano</td>
<td>1</td>
</tr>
<tr>
<td>Applied Music</td>
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<tr>
<td>Music Ensemble</td>
<td>2</td>
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<tr>
<td>Physical Education</td>
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<tr>
<td>General Elective</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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<tbody>
<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>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>
<td>6</td>
</tr>
<tr>
<td>Commercial Song Writing</td>
<td>3</td>
</tr>
</tbody>
</table>
Bachelor of Arts Degree in Music

The Bachelor of Arts degree in Music 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 Major:**

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Primary Applied Music</td>
<td>8</td>
</tr>
<tr>
<td>Secondary Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>Music Ensembles</td>
<td>8</td>
</tr>
<tr>
<td>Piano Proficiency</td>
<td>0</td>
</tr>
<tr>
<td>Senior Recital</td>
<td>0</td>
</tr>
<tr>
<td>Music Electives</td>
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</table>

**Music Suggested Course Sequence:**

**Freshman Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Foundations of 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>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>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>
</tr>
<tr>
<td>Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>General Electives</td>
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<tr>
<td><strong>Total</strong></td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Area IV Distribution Requirement</td>
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</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>
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<tr>
<td>Primary Applied Music</td>
<td>2</td>
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<tr>
<td>Secondary Applied Music</td>
<td>1</td>
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<tr>
<td>Music Ensemble</td>
<td>2</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
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<tr>
<td>General Elective</td>
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**Junior Year**

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<tr>
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<td>Area V Distribution Requirement</td>
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</tr>
<tr>
<td>Music Theory IV</td>
<td>3</td>
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</table>
Sight Singing and Ear Training IV  1
Primary Applied Music  2
Music Ensemble  2
Form and Analysis  3
Orchestration and Arranging  3
Music Elective  3
General Elective  7

<table>
<thead>
<tr>
<th>Senior Year</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Area II Distribution Requirement</td>
<td>6</td>
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<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Choral Conducting</td>
<td>3</td>
</tr>
<tr>
<td>Instrumental Conducting</td>
<td>3</td>
</tr>
<tr>
<td>Primary Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>Music Ensemble</td>
<td>2</td>
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<td>Music Elective</td>
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</tr>
<tr>
<td>Senior Recital</td>
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<td>General Elective</td>
<td>7</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>29</strong></td>
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</tbody>
</table>

THEATRE

Bachelor of Arts Degree in Theatre

The Theatre program at York College provides students with the information and experience necessary to continue with careers in acting, directing, technical theatre, or scholarship. Students complete instruction in all areas of theatre practice, history, and literature with a program that emphasizes a practical approach with several opportunities each year to participate in productions with The York College Players. With a major in Theatre, students are prepared for professional jobs and internships as well as graduate school. A minor in Theatre will augment a student’s major by improving co-operative skills, by developing imaginative problem-solving techniques, and by engaging communication styles useful in business, public relations, teaching, and law.

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.

**Required Courses for Theatre Major (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/LIT360 History of Theatre I  
THE361/LIT361 History of Theatre II  
THE380 Special Topics in Theatre  
THE410/LIT410 Western Theatre  
THE415/LIT415 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 THE275/WRT275.

Free Electives (15 credits)
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 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 Associate Degree 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>
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</tr>
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<td>Human Communication</td>
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<tr>
<td>Information Literacy</td>
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<tr>
<td>Critical Thinking/Problem Solving</td>
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</tr>
<tr>
<td>Area II Distribution Requirement</td>
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<td>Area IV Distribution Requirement</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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<tbody>
<tr>
<td>Painting I</td>
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</tr>
<tr>
<td>Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>Sophomore Portfolio Review</td>
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<td>Primary Emphasis</td>
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<tr>
<td>Survey Western Art I</td>
<td>3</td>
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<tr>
<td>Survey of Western Art II</td>
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<tr>
<td>Art History Elective</td>
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<tr>
<td>Academic Writing</td>
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</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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<td>Physical Education</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>35</strong></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.

**Required Courses for Mass Communication Associate Degree:**

- 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 Associate Degree 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>Radio Practicum</td>
<td>2</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Area II Distribution Requirement</td>
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</tr>
<tr>
<td>Area I Distribution Requirement</td>
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<tr>
<td>Critical Thinking/Problem Solving in Math</td>
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<td>Area III Distribution Requirement</td>
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<td>Physical Education</td>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
</tr>
</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>
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<tr>
<td>Video Production I</td>
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<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>
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<td>Physical Education</td>
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<tr>
<td></td>
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</tbody>
</table>
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.

Required Courses for Associate Degree in Music:

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**
- MUS181 Foundations of Music Theory (may be exempt)
- MUS181–283 Music Theory I–IV
- MUS184–285 Sight Singing/Ear Training I–IV
- MUS290 Introduction to Music Literature

**Music Performance Courses**
- Primary Applied Music 4 Credits
- Secondary Applied Music 2 Credits
- Music Ensemble 4 Credits
- Piano Proficiency 0 Credits

**Music Associate Degree Suggested Course Sequence:**

<table>
<thead>
<tr>
<th>Freshman Year</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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<tr>
<td>Academic Writing</td>
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<tr>
<td>Critical Thinking and Problem Solving</td>
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<tr>
<td>Information Literacy</td>
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<tr>
<td>Physical Education</td>
<td>1</td>
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<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>
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<tr>
<td>Sight Reading and Ear Training I</td>
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<tr>
<td>Introduction to Music Literature</td>
<td>3</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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<tr>
<td>Music Ensemble</td>
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### Sophomore Year

<table>
<thead>
<tr>
<th>Requirement</th>
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<tr>
<td>Area IV Distribution Requirement</td>
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<tr>
<td>Area V Distribution Requirement</td>
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<td>Human Communication</td>
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<td>General Electives</td>
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<tr>
<td>Music Theory II, III</td>
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<tr>
<td>Sight Reading and Ear Training II, III</td>
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<tr>
<td>Primary Applied Music</td>
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<tr>
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<td>Music Ensemble</td>
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<td><strong>Total</strong></td>
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### Fifth Semester

<table>
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<tr>
<th>Requirement</th>
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<tbody>
<tr>
<td>Music Theory IV</td>
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</tr>
<tr>
<td>Sight Singing and Ear Training IV</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>4</strong></td>
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</table>

### DEPARTMENT MINORS

#### Art History Minor (18 credits)

The Art History Minor requires six courses selected from the following:

- ART101 Introduction to Art Appreciation*
- 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

*Fine Art and Graphic Design majors may not apply this course to a minor in Art History.

#### 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).

Theatre Minor (18 credits)

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

Visual Communication Minor (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

*Graphic Design majors may NOT minor in Visual Communication.
DOCTOR OF NURSING PRACTICE DEGREE PROGRAM

Overview

The Doctor of Nursing Practice (DNP) program is a post-master’s program designed to prepare advanced practice nurses (clinical nurse specialists, nurse practitioners, certified nurse midwives, certified registered nurse anesthetists, and nurses in advanced nursing practice) for the challenges of the current health care environment. The purpose of the DNP is to prepare nurse leaders to apply advanced practice skills at the highest level of clinical practice. Students will acquire the skills to influence change that will improve health outcomes in populations specific to their advanced specialty preparation. The development of evidence-based interventions, quality improvement methodologies, and health policy changes to enhance health care delivery at the system-wide practice level will be emphasized. The program culminates with a practice immersion experience in which the student develops, implements, and evaluates a practice change initiative within a clinical setting.

Outcomes:

The DNP program outcomes are to prepare the advanced practice nurse who will:

1. Integrate science from nursing and other disciplines with advanced nursing practice to identify, develop, and evaluate practice change initiatives that lead to improved health outcomes in targeted populations.
2. Develop the knowledge and skills to influence health organizations and complex systems to adopt quality improvement strategies that address patient safety and health disparities in diverse populations.
3. Incorporate knowledge of evidence-based practice into advanced clinical decision-making by providing leadership in the practice setting through evaluation of practice and translation of research in practice.
4. Analyze, select, and evaluate appropriate information and patient care technologies that influence quality of care improvement in the practice setting.
5. Apply knowledge of health policy-making, evaluation, and implementation to influence health providers, policy-makers, and health consumers.
6. Develop skill in inter- and intra-professional communication and leadership in health care settings.
7. Synthesize and manage individual and aggregate-level data to improve the health status and outcomes of populations.
8. Demonstrate advanced clinical decision-making and clinical leadership skills to provide culturally sensitive, comprehensive care to patient groups within advanced practice specialty role.
MASTER OF SCIENCE WITH A MAJOR IN NURSING DEGREE

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, Department of Nursing 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. Prepared to pass national certification examination for CNS, nurse educator, nurse anesthetist, or nurse practitioner.
The Donald and Dorothy Stabler Nursing Program 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.

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 audiovisual 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 environment.
- 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 (BIO222) 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 only once. 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 as well as 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 or adequate immunity history. Tuberculin testing should be by two-step mantoux, with second
PPD administered 7 to 21 days after the reading of the first PPD. Annual screening thereafter is required. Students must be certified in CPR at the professional level. Lay rescuer CPR courses will not be accepted; this certification must be valid for the entire academic year. In addition, students must submit and pass criminal record clearance and background checks. 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. Students must 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 maintain clinical requirements annually so that they do 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**

Students must provide their own transportation to certain Nursing practice facilities beginning with the sophomore year. Students must abide by agency parking regulations. York College shuttle service is provided to York Hospital and in those circumstances students are required to use shuttle services.

**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. Uniforms (scrub tops, pants, lab coats, and polo shirts) must be purchased through the York College Bookstore.
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.

Required Courses for Nursing Major:

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
NUR304 Health Assessments for Professional Nursing Practice
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>
<td>1</td>
</tr>
<tr>
<td>Free Elective</td>
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</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>Academic Writing</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>Anatomy and Physiology I and II</td>
<td>8</td>
</tr>
<tr>
<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>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>Pharmacology for Nurses</td>
<td>3</td>
</tr>
<tr>
<td>Nursing Concepts and Practice:</td>
<td></td>
</tr>
<tr>
<td>Adults with Chronic Health Problems</td>
<td>6</td>
</tr>
<tr>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Nursing Concepts and Practice: Women’s Health</td>
<td>3</td>
</tr>
<tr>
<td>Nursing Concepts and practice:</td>
<td></td>
</tr>
<tr>
<td>Children with Acute Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>Research and Professional Nursing</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>
Programs of Study

Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concepts and Practice: Community Health (1st semester)</td>
<td>7</td>
</tr>
<tr>
<td>Concepts and Practice: Psychiatric/Mental Health Nursing (1st semester)</td>
<td>5</td>
</tr>
<tr>
<td>Concepts and Practice: 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><strong>Total</strong></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 an 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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR320</td>
<td>Health Assessment for Registered Nurses</td>
</tr>
<tr>
<td>NUR321</td>
<td>Transitional Concepts for Registered Nurses</td>
</tr>
<tr>
<td>NUR331</td>
<td>Alternative and Complimentary Therapies in Nursing and Healthcare</td>
</tr>
<tr>
<td>NUR332</td>
<td>Research Concepts for Registered Nurses</td>
</tr>
<tr>
<td>NUR421</td>
<td>Leadership Concepts for Registered Nurses</td>
</tr>
<tr>
<td>NUR456/457</td>
<td>Community Health Concepts and Issues for Registered Nurses</td>
</tr>
</tbody>
</table>
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.

Required Courses for Chemistry Major:

Common Core Requirements (17 credit hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRT102</td>
<td>Analytical Reading and Writing</td>
<td>3</td>
</tr>
<tr>
<td>WRT202</td>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>CM104</td>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>IFL101</td>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>MAT171</td>
<td>Calculus I (fulfills core mathematics requirement)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Physical Education</td>
<td>2</td>
</tr>
</tbody>
</table>
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)
- **CHM230** Chemistry Literature Colloquium
- **CHM234** Organic Chemistry I
- **CHM236** Organic Chemistry II
- **MAT172** Calculus II
- **MAT291** Applied Math for Chemists and Mathematicians
- **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

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>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year Chemistry Colloquium</td>
<td>1</td>
</tr>
<tr>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>Advanced Chemistry II</td>
<td>5</td>
</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>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>Introductory Seminar in Chemistry Issues, Ethics, and Experimental Design</td>
<td>1</td>
</tr>
<tr>
<td>Applied Mathematics for Chemists and Mathematicians</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry Literature Colloquium</td>
<td>2</td>
</tr>
<tr>
<td>Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>Academic Writing</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>32</strong></td>
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</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>Quantitative Analytical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Instrumental Analytical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Area I Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Area II Distribution Requirements</td>
<td>6</td>
</tr>
<tr>
<td></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>Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>Capstone Laboratory Experience</td>
<td>1</td>
</tr>
<tr>
<td>Area V Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry Elective</td>
<td>3-4</td>
</tr>
<tr>
<td>Free Electives</td>
<td>13-15</td>
</tr>
<tr>
<td></td>
<td><strong>26-29</strong></td>
</tr>
</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 follows.

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.

**Required Courses in Clinical Laboratory Science Major:**

**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 I
- 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>
</tr>
<tr>
<td>Human Communications</td>
<td>3</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<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>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>34</strong></td>
</tr>
</tbody>
</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<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>
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<tr>
<td>Area V Distribution Requirements</td>
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<tr>
<td>Elective</td>
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<tr>
<td><strong>Total Credits</strong></td>
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</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biochemistry I</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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<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total Credits</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.
- 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. 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, www.abet.org.

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 necessary to succeed in industry or pursue 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

**Requirements for Graduation:**

To be eligible for graduation, students majoring in Computer Science 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, 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.

**Required Courses for Computer Science Major:**

Common Core Requirements (17 credits)

- 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 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 (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 (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)

Computer Science Electives (12 credits)

Four of the following:

CS365  Parallel and Distributed Computing
CS370  Computer Graphics Programming I
CS470  Advanced Graphics Programming
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
MAT391  Cryptology
MAT470  Numerical Analysis

Computer Science Suggested Course Sequence:

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPADS</td>
<td>2</td>
</tr>
<tr>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>ADR III Lab Science</td>
<td>4-5</td>
</tr>
<tr>
<td>Analytical Reading and Writing</td>
<td>3</td>
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<td>3-4</td>
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<tr>
<td>Fundamentals of CS I</td>
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<tr>
<td>Calculus II</td>
<td>4</td>
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<tr>
<td>ADR III Lab Science</td>
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<tr>
<td>Academic Writing</td>
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<tr>
<td>Information Literacy</td>
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31-33
### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Fundamentals of CS II</td>
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<tr>
<td>Discrete Mathematics</td>
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</tr>
<tr>
<td>Area III Lab Science</td>
<td>4</td>
</tr>
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<td>Free Elective</td>
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<tr>
<td>Physical Education</td>
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<tr>
<td>Software Engineering and Design</td>
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</tr>
<tr>
<td>Fundamentals of CE</td>
<td>4</td>
</tr>
<tr>
<td>Linear Algebra <strong>OR</strong> Calculus III <strong>OR</strong> Differential Equations</td>
<td>3-4</td>
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<tr>
<td>Human Communication</td>
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<td>Area Distribution Requirement</td>
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<td><strong>Total</strong></td>
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### Junior Year

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Programming Language Design</td>
<td>3</td>
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<tr>
<td>Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CS Elective</td>
<td>3</td>
</tr>
<tr>
<td>Probability and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Networks</td>
<td>3</td>
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<tr>
<td>Area Distribution Requirements</td>
<td>3</td>
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<tr>
<td>Analysis of Algorithms</td>
<td>3</td>
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<td>CS Elective</td>
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<tr>
<td>Free Elective</td>
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<td>Area Distribution Requirements</td>
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<td>Physical Education</td>
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<td><strong>Total</strong></td>
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### Senior Year

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Senior Software Project I</td>
<td>3</td>
</tr>
<tr>
<td>Operating Systems</td>
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<tr>
<td>CS Elective</td>
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<tr>
<td>Free Elective</td>
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</tr>
<tr>
<td>Area Distribution Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Social &amp; Professional Issues in Computing</td>
<td>3</td>
</tr>
<tr>
<td>CS Elective</td>
<td>3</td>
</tr>
<tr>
<td>Free Elective</td>
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<tr>
<td>Area Distribution Requirements</td>
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<tr>
<td><strong>Total</strong></td>
<td>30</td>
</tr>
</tbody>
</table>

**Engineering at York College**

Engineers are problem solvers. They synthesize ideas, make decisions, design systems, and create solutions to problems, all subject to a diverse set of real-world constraints. In addition to performance factors, these constraints include economic and 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 accredited by the Engineering Accreditation Commission of ABET, www.abet.org.

The Electrical Engineering and Computer Engineering programs of York College are not presently accredited and are applying for initial ABET accreditation in 2011.

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.

Program Educational Objectives—Computer Engineering

The Computer Engineering degree program has the following program educational objectives, which describe the career and professional accomplishments of its graduates that the program is seeking to achieve:

1. To make meaningful contributions to the field of computer engineering through service as applied engineers in industry or consulting, professional licensure, advanced degrees, and/or publications.
2. To produce broadly trained engineers who acquire new, specialized skills needed for professional mobility and growth following graduation.
3. To produce computer engineers who meet the specialization needs of local (South Central Pennsylvania) and regional (mid-Atlantic) industry.

Program Educational Objectives—Electrical Engineering

The Electrical Engineering degree program has the following program educational objectives, which describe the career and professional accomplishments of its graduates that the program is seeking to achieve:

1. To make meaningful contributions to the electrical or electronic engineering profession through (for example) service as applied engineers in industry or consulting, professional licensure, advanced degrees, and/or publications.
2. To produce broadly trained electrical engineers who acquire new, specialized skills needed for professional mobility and growth following graduation.
3. To produce electrical engineers who meet the specialization needs of local (South Central Pennsylvania) and regional (mid-Atlantic) industry.

Program Educational Objectives—Mechanical Engineering

1. Analysis. Perhaps the most characteristic element of engineering practice, and one that distinguishes the engineer from most other professionals, is the innate ability to perform quantifiable assessments and judgments both rapidly and to within a reasonable degree of approximation. This ability results from the continuous learning of science, mathematics, and engineering science and from the constant need to perform “back-of-the-envelope” calculations and quantitative assessments of all types.

2. Design. Engineering design is an iterative and integrative process whereby a component or system of components is created to meet a set of desired needs. As early as possible, students of engineering should arrive at an understanding of the basic nature of design—that for most engineering problems, there exists a number of acceptable solutions, depending upon constraints, that lead to final designs. Early exposure to the design process and to the solution of real-world open-ended problems has a profound effect on establishing the student’s mindset and understanding of the nature of engineering. At York College, the entering engineering student is literally met “at the door” with a team-oriented design project. This exposure to engineering design continues throughout the curriculum and culminates with a senior-year comprehensive client-based design project.

3. Systems Perspective. We hear it said occasionally, “Everything is connected to everything else.” Engineers must deal with this concept on a daily basis. They see the world as a complexity of systems—not only technical, but environmental, social, economic, and political as well. Engineers must have the ability to address complex systems with different levels of abstraction and to develop models of such systems. They must be able to analyze comprehensive projects and break them down into individual assignable tasks. The York College Engineering program is integrative and uses knowledge across course boundaries throughout the curriculum to help provide students with a systems perspective in the world in which they will live and work.

4. Computational Procedures. The computer has become a powerful, ubiquitous professional and intellectual tool. The interaction between Engineering and digital computation will continue to evolve to levels we cannot yet imagine. At York College, Engineering majors use the computer as we once used pen and paper—continually, both in and out of the classroom and laboratory.

5. Experimental Inquiry. Laboratory inquiry and experimental skills are essential to engineering. By its very nature, engineering is—to a large degree—an Empirical activity. Throughout their career at York College, students of Engineering carry out many types of experimental activity including (i) demonstration or discovery-type experiments that are designed...
to demonstrate a particular concept or principle, (ii) statistically designed
experiments that use mathematics and empirical data to explore parametric
relationships, (iii) experiments created and designed by students to investigate
unknown engineering phenomena, and (iv) experiments related to various
design projects. As part of their experimental investigations, students use
a wide assortment of electronic instrumentation and computer-assisted data
gathering and analysis systems, a portion of which must be custom-designed
and fabricated by the individual student.

6. **Communication.** Rigorous standards of communication—written and oral,
verbal and pictorial—have been established and are exercised throughout the
engineering curriculum and across the college curriculum. Most engineering-
related activities (e.g., laboratories, projects, field trips) have some kind of
communication-related requirement, which is subject to assessment and
evaluation by the instructor. Moreover, the Engineering Co-op Program
places the student in a situation where effective communication—in virtually
all forms—is a regular requirement.

7. **Field Experience.** All engineering majors at York College are required
to fulfill three semesters of cooperative engineering work experience (co-
op) for graduation. These three co-op terms, which alternate with terms
of upper-level academic work, lead to (i) the enhancement and maturation
of the student’s professional skills, (ii) an awareness and appreciation of
industrial and business practices, and (iii) an understanding of the relevance
of academic work to his/her professional goals.

8. **Team Orientation and Leadership.** The importance of teamwork in
engineering activity cannot be overstated. Like a player of any team sport,
the engineer must perform selflessly, knowledgeably, and harmoniously
within the team. In addition, the engineer should be capable of assuming
various team roles as well as working collectively and objectively to assess
team performance. Throughout their four years at York College, Engineering
students experience and participate in numerous and varied team activities
central to learning. As with computer skills, the skills necessary for effective
teamwork are practiced by every student to the point of becoming “second
nature.”

9. **Humanistic and Social Awareness.** It has been said that engineers are “pilots
of change.” Moreover, with the coming century of yet unknown social and
technological challenges, engineers will be required to take on greater roles of
leadership and public responsibility. Engineers will play an ever-increasing
role in determining the needs of society, rather than merely responding to
society’s appetite for technology and invention. The York College general
education component is a significant part of the engineering student’s
curriculum and is structured to provide him/her with an appreciation for, and
a sense of mission toward, human history and its cultural manifestations.

10. **Global Awareness.** The explosion of information resources has been a
major factor in making the practice of engineering an international activity.
Engineers practicing their craft in a global economy must be equipped with
a global view and an appreciation for the diversity of cultures and business practices that exist around the world. They should understand that the practice of engineering is becoming a socio-technical activity at the international and multicultural levels. The international culture/foreign language requirement of York College is intended to help meet this need. In addition, students are encouraged to pursue international experience through the co-op and/or foreign exchange programs at the College.

11. **Lifelong Learning and Continuous Intellectual Development.** In his writings describing the need for continuous learning in the future world of work, author Peter Vail uses the phrase “perpetual beginners” and talks about “learning as a way of being.” Good learning, continuous learning, and lifelong intellectual development are inspired by good teaching. The York College Engineering program is committed to finding, maintaining, and helping to develop further, the very best engineering educators and students who (i) know and stay current in their subjects, (ii) know and understand their constituencies, (iii) know how to stimulate and carry out active learning, and (iv) are, above all, authentic and trustworthy human beings of the highest integrity.

12. **Professional and Ethical Responsibility.** The satisfaction, excitement and benefits gained from the practice of engineering come with a price. That price is the responsibility the engineer carries toward the protection and well-being of the public and the environment. The public has every reason to believe that the engineer will faithfully and ethically carry out his/her responsibilities to ensure its health and safety. Professional and ethical responsibility is taught by works and actions and not by words and lectures. The culture of engineering education at York College is one in which ethical behavior and honesty prevails throughout the learning experience. In addition, ethics and professional responsibility are integrated throughout the curriculum, particularly in relation to engineering design.

**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 142 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 Engineering Majors:

Common Core Requirements (17 credit hours)

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>WRT202</td>
<td>Academic Writing</td>
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<td>CM104</td>
<td>Human Communication</td>
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<td>IFL101</td>
<td>Information Literacy</td>
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<tr>
<td>MAT171</td>
<td>Calculus I</td>
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Physical Education (2)

Area Distribution Requirements (24 credit hours)

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<tr>
<td>Area II</td>
<td>Social and Behavioral Sciences (6)</td>
</tr>
<tr>
<td>Area IV</td>
<td>American/Western Civilization and Government (6)</td>
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<tr>
<td>Area V</td>
<td>International Studies/Foreign Language (6)</td>
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Science and Mathematics Requirements (27 credit hours)

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<td>General Chemistry I (3)</td>
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<td>CHM135</td>
<td>General Chemistry I Lab (1)</td>
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<td>CS101</td>
<td>Fundamentals of Computer Science I (2)</td>
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<tr>
<td>EGR240</td>
<td>Mathematical Methods for Engineers (3)</td>
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<tr>
<td>PHY160</td>
<td>Engineering Physics (Mechanics) (5)</td>
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<td>PHY260</td>
<td>Engineering Physics (Electricity &amp; Magnetism) (5)</td>
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<tr>
<td>MAT172</td>
<td>Calculus II (4)</td>
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<td>MAT272</td>
<td>Differential Equations (4)</td>
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General Engineering Requirements (17 credit hours)

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<tr>
<td>EGR100</td>
<td>Engineering Practice and Design Studio (EPADS) I (2)</td>
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<td>EGR102</td>
<td>Engineering Practice and Design Studio (EPADS) II (2)</td>
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<td>EGR290</td>
<td>Engineering Career Training Preparation (1)</td>
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<td>ECE400/ME400</td>
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<td>Capstone Design II (3)</td>
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<td>EGR491</td>
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<td>EGR492</td>
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Additional Computer Engineering Requirements (57 credit hours)

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<tbody>
<tr>
<td>CS201</td>
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<td>CS320</td>
<td>Software Engineering &amp; Design (3)</td>
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<td>CS350</td>
<td>Data Structures (3)</td>
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<td>Analysis of Algorithms (3)</td>
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<td>CS420</td>
<td>Operating Systems (3)</td>
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<tr>
<td>ECE220</td>
<td>Design &amp; Analysis of Digital Circuits (4)</td>
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<td>ECE260</td>
<td>Fundamentals of Computer Engineering (4)</td>
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<tr>
<td>ECE280</td>
<td>Fundamentals of Electrical Engineering (4)</td>
<td></td>
</tr>
<tr>
<td>ECE310</td>
<td>Design &amp; Analysis of Analog Circuits (4)</td>
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</tr>
<tr>
<td>ECE332</td>
<td>Introduction to Signal Processing (4)</td>
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<tr>
<td>ECE335</td>
<td>Discrete Mathematics with Applications (3)</td>
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<td>ECE340</td>
<td>Random Signals (3)</td>
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<td>ECE370</td>
<td>Microprocessor System Design (3)</td>
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<tr>
<td>ECE380</td>
<td>Communication Networks (3)</td>
<td></td>
</tr>
<tr>
<td>ECE420</td>
<td>Embedded System Design (3)</td>
<td></td>
</tr>
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</table>

Plus two of the following Engineering Electives (6)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS340, 365, 370; ECE350, 360, 410, 430, 450, 454</td>
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<td></td>
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<tr>
<td>ECE470, 472, 474, 476, 478, 480, 482; EGR342, 392, 442, 446, 490</td>
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<tr>
<td>ME250, 260/261, 320; MAT391</td>
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</tr>
</tbody>
</table>
Additional Electrical Engineering Requirements (57 credit hours)

CS201 Fundamentals of Computer Science II (4)
EGR342 System Modeling and Analysis (3)
ECE220 Design & Analysis of Digital Circuits (4)
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)
ECE335 Discrete Mathematics with Applications (3)
ECE340 Random Signals (3)
ECE350 Electromagnetic Fields (3)

Two upper-division ECE Stem Elective sequences (12)

Plus two of the following Engineering Electives (6)

CS320, 340, 350, 360, 370, 420; ECE360, 370, 380, 410, 420, 430, 450, 454
ECE470, 472, 474, 476, 478, 480, 482; EGR392, 442, 446, 490
ME250, 260/261, 320

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)
EGR392 Automatic 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)
ME450 Finite Element Analysis (3)

Two Engineering Electives (6)
**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 through the fall semester of 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>
<td>Calculus I</td>
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<tr>
<td>General Chemistry I</td>
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<td>Analytical Reading and Writing</td>
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<td>Area Distribution Requirement</td>
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<td><strong>17</strong></td>
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<td>Spring</td>
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</tr>
<tr>
<td>Calculus II</td>
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<td>Engineering Physics (Mechanics)</td>
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<tr>
<td>Academic Writing</td>
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<td>Information Literacy</td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Fall</td>
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</tr>
<tr>
<td>Differential Equations</td>
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<tr>
<td>Engineering Physics (Electricity and Magnetism)</td>
<td>5</td>
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<tr>
<td>Fundamentals of Computer Science II</td>
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</tr>
<tr>
<td>Design &amp; Analysis of Digital Circuits</td>
<td>4</td>
</tr>
<tr>
<td>Engineering Career Seminar</td>
<td>1</td>
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<tr>
<td></td>
<td><strong>18</strong></td>
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<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>Mathematical Methods in Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Fundamentals of Computer Engineering</td>
<td>4</td>
</tr>
<tr>
<td>Fundamentals of Electrical Engineering</td>
<td>4</td>
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<tr>
<td>Software Engineering and Design</td>
<td>3</td>
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<tr>
<td>Human Communication</td>
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<tr>
<td></td>
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</tbody>
</table>

| Summer        |         |
| Co-op I       | 2       |
Junior Year

Fall
Design & Analysis of Analog Circuits  4
Introduction to Signal Processing  4
Operating Systems  3
Data Structures  3
Area Distribution Requirement  3
Physical Education  1

Spring
Co-op II  2

Summer
Capstone Design I  3
Random Signals  3
Microprocessor System Design  3
Discrete Mathematics with Applications  3
Communications Networks  3

Senior Year

Fall
Co-op III  2

Spring
Capstone Design II  3
Analysis of Algorithms  3
Area Distribution Requirements  12

Summer
Embedded System Design  3
Engineering Electives  6
Area Distribution Requirements  6

Electrical Engineering

Freshman Year

Fall
Calculus I  4
General Chemistry I  4
Analytical Reading and Writing  3
EPADS I  2
Area Distribution Requirement 3
Physical Education 1
\[ \text{Total: 17} \]

**Spring**
- Calculus II 4
- Engineering Physics (Mechanics) 5
- Academic Writing 3
- Information Literacy 2
- EPADS II 2
- Fundamentals of Computer Science I 2
\[ \text{Total: 18} \]

**Sophomore Year**

**Fall**
- Differential Equations 4
- Engineering Physics (Electricity and Magnetism) 5
- Fundamentals of Computer Science II 4
- Design & Analysis of Digital Circuits 4
- Engineering Career Seminar 1
\[ \text{Total: 18} \]

**Spring**
- Mathematical Methods in Electrical Engineering 3
- Fundamentals of Computer Engineering 4
- Fundamentals of Electrical Engineering 4
- Waves and Optics 3
- Human Communication 3
\[ \text{Total: 17} \]

**Summer**
- Co-op I 2

**Junior Year**

**Fall**
- Design & Analysis of Analog Circuits 4
- Introduction to Signal Processing 4
- System Modeling and Analysis 3
- Area Distribution Requirement 6
- Physical Education 1
\[ \text{Total: 18} \]

**Spring**
- Co-op II 2
### Department of Physical Sciences

#### Summer
- Capstone Design I 3
- Random Signals 3
- Electromagnetic Fields 3
- ECE Stem Electives 6
- **Total Credits**: 15

#### Senior Year

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Co-op III</td>
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#### Spring
- Capstone Design II 3
- ECE Stem Electives 6
- Area Distribution Requirements 9
- **Total Credits**: 18

#### Summer
- Discrete Mathematics with Applications 3
- Engineering Electives 6
- Area Distribution Requirements 6
- **Total Credits**: 15

### Mechanical Engineering

#### Freshman Year

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<tr>
<td>General Chemistry I</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>Physical Education</td>
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</table>
- **Total Credits**: 17

#### Spring
- Calculus II 4
- Engineering Physics (Mechanics) 5
- Academic Writing 3
- Information Literacy 2
- EPADS II 2
- Fundamentals of Computer Science I 2
- **Total Credits**: 18
### Sophomore Year

<table>
<thead>
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<td>Statics</td>
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<td>Human Communication</td>
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<tr>
<td>Mathematical Methods for Engineers</td>
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<td>Thermodynamics</td>
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<td>Strength of Materials</td>
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<tr>
<td>Materials &amp; Solids Lab</td>
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<tr>
<td>Fundamentals of Electrical Engineering</td>
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</tr>
<tr>
<td>Engineering Career Seminar</td>
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<table>
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<tr>
<td>Junior Year</td>
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<tr>
<td>Fluid Mechanics</td>
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<td>Fluid Mechanics Lab</td>
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<tr>
<td>Dynamics and Vibration</td>
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<td>System Modeling and Analysis</td>
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<td>Instrumentation and Microprocessor Lab</td>
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<td>Materials Science</td>
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<td>Capstone Design I</td>
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<td>Finite Element Analysis or Automatic Controls</td>
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<tr>
<td><strong>Total</strong></td>
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</table>
Senior Year

Fall
Co-op III 2

Spring
Capstone Design II 3
Heat Transfer 4
Thermal System Design 2
Engineering Elective 3
Area Distribution Requirements 6
18

Summer
Statistical Design and Process Control 3
Engineering Elective 3
Automatic Control or Finite Element Analysis 3
Area Distribution Requirements 6
15

Note: Students must take both Finite Element Analysis and Automatic Control

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 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; Flinchbaugh Engineering; Harley-Davidson, Inc.; Johnson Controls, Inc., KBA North America; Kinsley Construction Co.; Magnesita Refractories; Metso Minerals; New Standard Corporation; Pall Corporation; RG Group, Topflight Corp; Tyco Electronics; Voith Hydro, 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, Electronics & Instrumentation, Embedded Systems, Signal Processing and Communication Systems, Power Systems & Energy Conversion, 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.

**Required Courses for Forensic Chemistry Major:**

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
CHM236 Organic Chemistry II
MAT172 Calculus II
MAT291 Applied Mathematics for Chemists and Mathematicians
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

*Fulfill Area III Distribution Requirements.
**Forensic Chemistry Suggested Course Sequence:**

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<thead>
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<th>Freshman Year</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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<td>Advanced Chemistry II</td>
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<tr>
<td>Biology I</td>
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<tr>
<td>Calculus I and II</td>
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<tr>
<td>Computers for Chemists</td>
<td>1</td>
</tr>
<tr>
<td>Analytical Reading &amp; Writing</td>
<td>3</td>
</tr>
<tr>
<td>Area Distribution Requirement</td>
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<td>Academic Writing</td>
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<td>Information Literacy</td>
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<td>Organic Chemistry I and II</td>
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<tr>
<td>General Physics I and II</td>
<td>8</td>
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<tr>
<td>Criminalistics</td>
<td>4</td>
</tr>
<tr>
<td>Crime Scene Processing</td>
<td>3</td>
</tr>
<tr>
<td>Applied Mathematics for Chemists and Mathematicians</td>
<td>4</td>
</tr>
<tr>
<td>Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry Issues, Ethics</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
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<tbody>
<tr>
<td>Physical Chemistry I</td>
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<tr>
<td>Quantitative Analytical Chemistry</td>
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<tr>
<td>Instrumental Analytical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>Forensic Body Fluid Analysis</td>
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<tr>
<td>Physical Education</td>
<td>2</td>
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<tr>
<td>Area Distribution Requirements</td>
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<td>Human Communication</td>
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<td><strong>Total</strong></td>
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<table>
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<th>Senior Year</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Forensic Laboratory Experience</td>
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</tr>
<tr>
<td>Forensic Internship or Independent Study</td>
<td>3</td>
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<tr>
<td>Inorganic Chemistry</td>
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<tr>
<td>Free Elective</td>
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<tr>
<td><strong>Total</strong></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.

Required Courses for Mathematics Major:

Common Core Requirements (17 credit hours)

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<tr>
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<th>Title</th>
<th>Credits</th>
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<tr>
<td>WRT102</td>
<td>Analytical Reading and Writing</td>
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<td>WRT202</td>
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<tr>
<td>CM104</td>
<td>Human Communication</td>
<td>3</td>
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<tr>
<td>IFL101</td>
<td>Information Literacy</td>
<td>2</td>
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<tr>
<td>MAT171</td>
<td>Calculus I</td>
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Area Distribution Requirements (24 credits)

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<tr>
<th>Area</th>
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<tr>
<td>I</td>
<td>Fine Arts and Humanities (6)</td>
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<tr>
<td>II</td>
<td>Social and Behavioral Sciences (6)</td>
</tr>
<tr>
<td>IV</td>
<td>American/Western Civilization and Government (6)</td>
</tr>
<tr>
<td>V</td>
<td>International Studies/Foreign Language (6)</td>
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Free Electives (21 credits)

Required Majors Courses (62 credits)

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<td>MAT172</td>
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<td>MAT260</td>
<td>Linear Algebra I</td>
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<td>MAT271</td>
<td>Calculus III</td>
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<td>MAT272</td>
<td>Differential Equations</td>
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<tr>
<td>MAT280</td>
<td>Mathematical Structures</td>
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<tr>
<td>MAT360</td>
<td>Linear Algebra II</td>
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<tr>
<td>MAT361, MAT362</td>
<td>Abstract Algebra I &amp; II</td>
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<tr>
<td>MAT371, MAT372</td>
<td>Elementary Analysis I &amp; II</td>
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<tr>
<td>MAT493</td>
<td>Mathematics Seminar</td>
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<tr>
<td>PHY160</td>
<td>Engineering Physics (Mechanics)</td>
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</table>
One additional lab science course chosen from:

- BIO150 (Biology I) OR
- BIO152 (Biology II) OR
- CHM122 (Principles of General and Organic Chemistry) OR
- CHM134 (General Chemistry I) OR
- 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: 15 credits from MAT320, MAT345, MAT350, MAT390, MAT391, MAT440, MAT470, MAT473, MAT477, MAT480, 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>32</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 Computer Science</td>
<td>2</td>
</tr>
<tr>
<td>Mathematical Structures</td>
<td>3</td>
</tr>
<tr>
<td>Linear Algebra I</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>6</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>32</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elementary Analysis I &amp; II</td>
<td>6</td>
</tr>
<tr>
<td>Abstract Algebra I OR Linear Algebra II</td>
<td>3</td>
</tr>
<tr>
<td>Abstract Algebra II OR Mathematics Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Electives</td>
<td>6</td>
</tr>
</tbody>
</table>
Engineering Physics 5
Additional Lab Science Course 4
Free Electives 3

**Senior Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear Algebra II OR Abstract Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Seminar OR Abstract Algebra II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Electives</td>
<td>9</td>
</tr>
<tr>
<td>Free Electives</td>
<td>15</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 (VEE Credit)
- 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 Software Egr. & Design
- CS340 Programming Language Design
- CS360 Analysis of Algorithms
- CS370 Computer Graphics Programming I
- 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**

- MAT470 Numerical Analysis
- MAT473 Partial Differential Equations
MAT477 Complex Analysis
MAT480 Point-set Topology
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 177 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 124 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 Major:

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
334 Programs of Study

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:
MAT150
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)

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
BIO350 Biochemistry I
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 I
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
(Science courses satisfy ADR III)

(MAT171 and MAT172 are required with the Physics option)

Professional Preparation Courses\(^3\) (33 credits)

- PSY100 General Psychology
- EDU375 Psychology of Teaching Learning/Sec. Ed.
- EDU210 Educational Technology
- EDU200 Introduction to American Education
  (must be taken at York College)
- SE402 Community and Legal Issues in Education\(^3\)
- SE351 Teaching Strategies
- SE354 Teaching General Science
- SPE 300 Effective Instructional Methods
- SPE301 Literacy Development

Student Teaching Semester\(^2,4\) (12 credits)

- SE404 Student Teaching **OR**
- SE405 Focused Studies **OR**
- SE416 Directed Prof. Educ. Exper.\(^5\)
- 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>Mathematics</td>
<td>3-4</td>
</tr>
<tr>
<td>Information Literacy</td>
<td>2</td>
</tr>
<tr>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>
Area V Distribution Requirements  
Human Communication 3  
Physical Education 2  

31-32

_Sophomore Year_  
Discipline Certification Requirements 3-5  
Introduction to American Education 3  
Psychology of Teaching/Sec. Ed. 3  
Processes and Procedures 3  
Area I Distribution Requirements 6  
Area of Specialization 6-8  
Free Electives 8  

32-34

_Junior Year_  
Discipline Certification Requirements 13-15  
IFS105 OR IFS275 OR MAT230 3  
Educational Technology 3  
Secondary School Experience 3  
Teaching Strategies 3  
Effective Instructional Methods 3  
Literacy Development 3  

31-33

_Senior Year_  
Instructional Needs of ELL 3  
Teaching Gen. Science 3  
Concentration courses 6-10  
Free Electives 3  
Community and Legal Issues in Education 3  

Student Teaching Semester (3.0 GPA or higher required) 12  
Student Teaching (SE404) OR  
Focused Studies (SE405)  
Practicum in Student Teaching (SE412)  
Selected Topics in Education (SE413)  

30-34

**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 177 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 177 for a complete description of certification and degree requirements).

Required Courses in Secondary Education-Mathematics Major:

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; 12 or more must be taken at the 200 level)

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

Discipline Certification Requirements (47-48 credits)

- MAT172 Analytical Geometry and Calculus II
- MAT260 Elementary Linear Algebra
- MAT271 Calculus III OR MAT291 Applied Mathematics for Chemists and Mathematicians
- MAT272 Differential Equations
- MAT280 Mathematical Structures
- MAT345 Modern Geometry
- MAT350 Probability and Statistics
- MAT355 Math Standards 6
- MAT390 History of Mathematics

Mathematics Electives (12 credits from the following: MAT210, MAT360, MAT361, MAT362, MAT371, MAT372, MAT391, 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\(^2\) (46 credits)

- PSY100 General Psychology\(^1\)
- EDU375 Psychology of Teaching Learning/Sec. Ed.
- EDU210 Educational Technology
- EDU200 Introduction to American Education
- SPE200 Processes and Procedures
- EDU355 Instructional Needs of ELL
- EDU480 Community and Legal Issues in Education\(^3\)
- SE351 Teaching Strategies
- SE355 Teaching Sec. Ed. Mathematics
- SPE300 Effective Instructional Methods
- SPE301 Literacy Development

Student Teaching Semester\(^2\),\(^4\)

- SE404 Student Teaching **OR**
- SE405 Focused Studies **OR**
- SE416 Directed Prof. Educ. Exper.\(^5\)
- SE412 Practicum in Student Teaching
- SE413 Selected Topics in Education

\(^1\)Satisfies Area Distribution Requirements.
\(^2\)Grade earned must be a 2.0 or higher. This includes all courses in field of major study.
\(^3\)EDU480 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-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>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>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>Math Elective</td>
<td></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>Educational Technology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology of Teaching/Sec. Ed.</td>
<td>3</td>
</tr>
<tr>
<td>Calculus III <strong>OR</strong> Applied Mathematics for Chemists and Mathematicians</td>
<td>4</td>
</tr>
</tbody>
</table>
Differential Equations 4
Math Elective 3
Elementary Linear Algebra 3
BIO150-152 OR CHM134-136 OR PHY160
AND either PHY162, PHY260, PHY262 8 or 9
Area Distribution Requirements 3
Physical Education 1
32 or 33

**Junior Year**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Probability and 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>History of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>SPE Processes and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>Instructional Needs of ELL</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Sec. Ed. Math</td>
<td>3</td>
</tr>
<tr>
<td>Math Standards</td>
<td>1</td>
</tr>
<tr>
<td>Effective Instructional Methods</td>
<td>3</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>Mathematics Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>34</strong></td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community and Legal Issues in Education</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective</td>
<td>3</td>
</tr>
<tr>
<td>Literary Elective</td>
<td>3</td>
</tr>
<tr>
<td>Area IV Distribution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Area V Distribution Requirements</td>
<td>3</td>
</tr>
</tbody>
</table>

**Student Teaching Semester (3.0 GPA or higher required)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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><strong>12</strong></td>
</tr>
<tr>
<td><strong>Student Teaching (SE404) OR</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>30</strong></td>
</tr>
</tbody>
</table>

**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.
Required Courses for Associate Degree in Chemistry:

- 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 Associate Degree 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>
<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>

Associate of Science Degree in Physics

Requirements for Graduation:

To be eligible for graduation, students 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 for Associate Degree in Physics:**

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 Associate Degree Suggested Course Sequence:**

**Freshman 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>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>35</strong></td>
</tr>
</tbody>
</table>

**Sophomore Year**  

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>Linear Algebra <strong>OR</strong> 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</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 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 Computer Science Minor:
CS101 Fundamentals of Computer Science I AND
CS201 Fundamentals of Computer Science 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
CS365 Parallel and Distributed Computing
CS420 Operating Systems
CS470 Advanced Graphics Programming
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
Minor in Mathematics

**Required Courses for Mathematics Minor:**

- MAT171/MAT172 Calculus I and II
- MAT272 Differential Equations
- MAT235 Discrete Mathematics OR
- MAT280 Mathematical Structures

One course selected from the following:

- EGR240 Mathematical Methods for Engineers
- MAT260 Elementary Linear Algebra
- MAT271 Calculus III
- MAT291 Applied Math for Chemists and Mathematicians
- MAT320 Number Theory
- MAT345 Modern Geometry
- MAT350 Probability and Statistics
- MAT360 Linear Algebra II
- MAT361/MAT362 Abstract Algebra I OR II
- MAT371/MAT372 Advanced Calculus I OR II
- MAT391 Cryptology
- MAT470 Numerical Analysis
- MAT480 Point-Set Topology

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 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 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 Associate Degree Suggested Course Sequence:

**Freshmen 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>
</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>
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<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 Requirement</td>
<td>3</td>
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<tr>
<td>Area IV Distribution Requirement</td>
<td>3</td>
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<tr>
<td>Area V Distribution Requirement</td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Elective Courses</td>
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</tr>
</tbody>
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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 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
- HIS391/WGS340 Women and War
- HIS403/WGS395 European Witch Craze
- HIS390/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

SUSTAINABILITY AND ENVIRONMENTAL STUDIES (SES) MINOR

York College offers a minor in Sustainability and Environmental Studies. Every environmental issue has a tangible link to a multitude of academic disciplines; e.g. the natural sciences, the social sciences, the humanities, business, and economics. To deal with environmental issues effectively, individuals must be able to recognize and understand the technical (scientific) issues, obtain a historical perspective of the circumstances creating the issue (history), understand the dynamic cultural and environmental issues affecting different parts of the world (geography), examine the value judgments at stake in any proposed solution (literature and philosophy), understand the workings of the policy process to achieve a solution (political science), possess the savvy to develop economically sound (business), or technical (engineering, chemical or biological) solutions, have an awareness of the social ramifications of the solutions (sociology) and an appreciation of the difficulty of communicating a selected policy (writing), and have the ability and motivation to engage in the necessary behavior changes (psychology).

The objectives of the minor are:

1. To develop in our students an understanding of basic biological, chemical, and physical processes that govern the natural world.
2. To show students how humans can impact these natural processes and demonstrate how humans can prevent or mitigate negative impacts on the environment.
3. To provide a basis for students to understand the many and difficult choices which society and individuals must make in dealing with environmental issues, including an understanding of the values we bring to our examinations in order to determine if our impacts are negative, positive, or neutral.
4. To provide settings in which environmental issues are treated in their political, social, economic, psychological, religious, ethical, geographical and historical contexts.

5. To develop the skills which are necessary for identifying, analyzing, and resolving environmental problems.

6. To provide a basis for students to understand the many and difficult choices which society and individuals must make in dealing with all aspects of the environment.

The minor consists of a total of 18 credits. Students should take the required course Science and Sustainability, one course from each of the two areas listed below, and then an additional three courses from either area or an independent study/internship.

The courses do not build upon one another, and may be taken in any order, although it is preferable to take Science and Sustainability as one of the first courses, if possible.

**Courses in Sustainability and Environmental Studies Minor:**

Required (18 credits)

- PSC 102/103 Science and Sustainability

At least one of these courses:

- CHM102/203 Chemistry and Society
- BIO206/207 Freshwater Ecology
- BIO210/211 Intro to Marine Biology
- BIO212/213 Environmental Biology
- BIO300/301 Ecology
- G361 Introduction to Geographic Information Systems

At least one of these courses:

- PSY215 Sustainability and Psychology
- PHL240 Environmental Ethics
- SOC301 Environmental Sociology
- HIS387 North American Environmental History
- G348/349 Cultures and Environments Field Series
- G352 Geographic Perspectives on Sustainability
- WRT361 Nature Writing
- LIT379 Environmental Literature

Other courses also available:

- SES481/482 Independent Study
- SES491/492 Internship
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<td>COMMUNICATION (CM)</td>
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<td>COMPUTER SCIENCE (CS)</td>
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<td>EARTH/SPACE SCIENCE (ESS)</td>
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<td>LANGUAGES (ARB, INT, FRN, GRM, ITL, LAT, POR, RUS, SPN)</td>
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<td>LITERATURE (LIT)</td>
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<td>LONG-TERM CARE ADMINISTRATION (LTC)</td>
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<td>MANAGEMENT (MGT)</td>
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<td>NURSING (NUR)</td>
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<td>PREMEDICAL STUDIES (PMD)</td>
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<td>PSYCHOLOGY (PSY)</td>
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<td>QUANTITATIVE BUSINESS (QBA)</td>
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<td>RADIOGRAPHY (RAD)</td>
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<td>RECREATION AND LEISURE ADMINISTRATION (REC)</td>
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<td>RELIGIOUS STUDIES (REL)</td>
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<td>RESPIRATORY CARE (RT)</td>
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<td>SOCIOLOGY (SOC)</td>
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<td>SPORT MANAGEMENT (SPM)</td>
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<tr>
<td>SUSTAINABILITY AND ENVIRONMENTAL STUDIES (PSC, CHM, BIO, G, PSY, PHL, SOC, HIS, SES)</td>
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<td>THEATRE (THE)</td>
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<td>WOMEN'S AND GENDER STUDIES (WGS)</td>
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<td>WRITING (WRT)</td>
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</tbody>
</table>
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.

ACC350 Ethics in Accounting
This course will introduce the student to the ethical expectations, framework, and structure inherent in the accounting profession. By studying the AICPA
Code of Conduct, Sarbanes Oxley legislation, and other ethical models, the accounting student will practice ethical reasoning and decision-making. The extensive study of cases and business scenarios will demonstrate the relevance and challenges of ethical choices in the business environment. Prerequisite: ACC320 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 planning 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.

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
This course contains a continuing in-depth study of accounting principles and current concepts. Subjects included are contemporary accounting issues, ethical concerns in accounting, 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.

IBS415 International Accounting
(See International Business Section)
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
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.

ANT302 Applied Anthropology
This course prepares students to use cultural anthropology theory and methods to solve social problems. Students will learn how to link theories to appropriate solution-focused research techniques. The course will emphasize qualitative research methods, particularly interviewing, participant observation, ethnography, field work, rapid assessment, text analysis, and non-probability sampling. Students will conduct primary research and analyses and present results at the end of the semester. Prerequisites: ANT210, ANT220, or permission of instructor.

3 credit hours.

ANT310 Forensic Anthropology
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. Students will be working with the legal community. Prerequisite: ANT210.

3 credit hours.

ANT325 Culture and Personality
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
Cultural anthropology is one of the four major subdisciplines 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
This course provides a cross-cultural perspective on aging experiences. It explores attitudes toward and treatment of older people in many different cultures. 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. Satisfies ADR I.

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 representa-
tion 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 the 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.

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 readings and hands-on studio projects, personal process and conceptual thinking will be emphasized. Graphic Design and Fine Art majors only.

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 the 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.

ART206 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 and Fine Art majors only.

3 credit hours.
5 lecture and studio periods.
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. 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. Prerequisite: ART210.

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.

ART216  Figure Drawing I
*Fall-Spring Semesters*
This beginner-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 to contemporary art is presented. Art majors only.

3 credit hours. Satisfies ADR I.
5 lecture and studio periods.

ART218  Typography I
*Spring Semester*
This course introduces students to the terms and concepts needed to use type intelligently and effectively. Typographic anatomy, classification and measurement, as well as the 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. 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-level studio course that introduces the student to the techniques of ceramics. The student explores basic hand-building techniques and gains 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. 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 ART200 and ART206.

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.
5 lecture and studio periods.

ART247 The Digital Image
Fall-Spring-Summer Semesters
This course, created for students with prior coursework in design and digital technology, explores the creation and manipulation of digital photographic imagery. Students will learn the principles of capturing quality digital images, as well as how to prepare files for mass reproduction beyond the photographic print. Areas of file preparation for offset lithography, screenprinting, on-demand printing, presentation graphics, and web and motion graphics is discussed. Through hands-on assignments in the field and the studio, students will become better able to identify work that can be successfully reproduced in a variety of visual venues. Note: A digital SLR camera is required for students enrolled in this course. Prerequisite: ART206. Art majors only.

3 credit hours.
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 periods.

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, silkscreen 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 layout. Students learn the fundamental concepts of preparing work for print, and through studio work, develop skill in the preliminary and production phases of a project. Prerequisite: ART206.

3 credit hours.  
5 lecture and studio periods.

ART291  Printmaking II  
*Fall-Spring Semesters*
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, nontoxic 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.  
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 explores 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 of 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 will be included. Prerequisite: ART290.  
3 credit hours.  
5 studio and lecture periods.

ART340  Computer Graphics III  
*Fall-Spring Semesters*  
This course takes the skills and concepts learned in Computer Graphics I and II and applies them 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 the 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/her 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 cohesive 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. 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. 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 chrono-
logical 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
Fall, even-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, Symbolism, and Art Nouveau. Prerequisites: One of the following: ART101, ART204, ART205.

3 credit hours. Satisfies ADR I.

ART393 American Art
Spring, odd-numbered years
A survey of art in the United States from the pre-colonial era 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 and 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, ART393.

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 the 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, ART393, ART394.

3 credit hours. Satisfies ADR I.

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, the Graphic Design major 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: ART296, ART339, ART340.

3 credit hours.
5 studio and lecture periods.

ART435/436 Professional Development Seminar
Spring Semester
This course provides the junior student with an opportunity to begin to develop the professional body of work that will be completed upon graduation, as well as learn important business issues for the visual artist. Fine Art students create an artist’s statement and series of images. Graphic Designers begin to build both print and online portfolios. Résumés and self-promotional materials are created by both majors. This seminar prepares the art student for a career in visual art or graduate study. Note: Graphic Design majors enrolled in this class are required to join AIGA (American Institute of the Graphic Arts). 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. 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. 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 with out 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.**

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**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 Sociology and Behavioral Science majors. Prerequisites: Major of senior standing, 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.

**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 SCIENCES

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.

**BIO112  Fundamentals of Human Biology**  
*Fall-Spring Semesters*  
Designed for the non-Biology major who has an interest in how and why the human animal works. Emphasis is placed on the structures and functions of the major organ-systems of the body. Topics also 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.

**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 (BIO113).
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.

**BIO201  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.
BIO202 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: BIO201.

1 credit hour.

BIO203 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: BIO201, or permission of instructor.

4 credit hours.

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 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 clean up 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.

Courses for Majors in Biology and Related Fields

BIO232 Plant Taxonomy and Seasonal Flora
Summer Mini-mester, 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.

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 cell, skeletal system, muscular system, and nervous system. Dissection is required. Prerequisite: BIO150.

3 hours lecture.
1 three-hour laboratory (BIO221).
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 (BIO223).
4 credit hours. Satisfies ADR III.

BIO230 Microbiology
Fall-Spring Semesters
Microbiology is the study of organisms that can only be seen with a microscope. The emphasis in
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this course is to learn about bacteria, viruses, fungi, and parasites of medical interest. The goal is to provide a basic understanding of the principles of microbiology, and to equip students with knowledge of, and techniques in, microbiology that can be beneficial to them in both their professional and personal lives. The course is designed using the educational guidelines from the American Society of Microbiology. This course may not be used to fulfill an upper-division elective for Biology majors. Prerequisite: BIO150.

3 hours lecture.
1 three-hour laboratory (BIO231).
4 credit hours. Satisfies ADR III.

BIO240 Genetics
Fall-Spring Semester
The basic principles of Mendelian, non-Mendelian, and molecular genetics are considered in this course. The structure and function of the gene, patterns of inheritance, gene interaction, and gene regulation are discussed. The laboratory component emphasizes molecular biology and experimental approaches to genetics. Prerequisite: BIO150.

3 hours lecture.
1 three-hour laboratory (BIO241).
4 credit hours. Satisfies ADR III.

BIO290 Biostatistics
Fall-Spring Semesters
This is an introductory statistics course that provides instruction on the experimental design and proper application of statistical tests for biological research. Topics will include experimental design, sample size and power calculations, probability theory, data distributions, statistical inference, contingency tables, nonparametric methods, linear regression and analysis of variance. Independent projects will emphasize experimental design, sampling techniques, data collection and statistical analysis. Prerequisite: BIO150 and BIO152.

3 credit hours.

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 interactions (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. 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 organizational level will be noted. Laboratory topics provide opportunities for students to see and critically analyze selected nonvascular 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. Prerequisites: BIO150 and BIO152, or their equivalents.

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 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 support-
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 (BIO351).
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 (BIO353).
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.
tionary 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. Prerequisites: 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. Prerequisites: 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 transferable 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 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.

BUS260  Legal Environment of Business  
*Fall and Spring Semesters*  
The legal and regulatory environment of business emphasizes why legal duties are placed on the business community and how managers should appropriately respond to them. This course addresses court structure, constitutional law, common law, public law, contracts and select Uniform Commercial Code Articles.  
3 credit hours.

BUS350  Management of Not-for-Profit Operations  
*Spring Semester*  
This course will examine the management of not-for-profit institutions. It will examine the necessary skill sets needed for effective management of these types of organizations. In addition, time will be spent developing an understanding of the differences between not-for-profit and for-profit organizations and the unique skill sets required for managing a not-for-profit. This course will use case studies, films and selected readings to allow students to develop their competency in managing not-for-profit organizations, including churches, hospitals and universities, among others. Prerequisites: MGT150 with a grade of 2.0 or higher.  
3 credit hours.

BUS360  Business and Commercial Law  
*Fall and Spring Semesters*  
This course is an advanced study for students seeking a career requiring a more in-depth understanding of Business Law. Topics include debtor-creditor relations, commercial paper, government regulation of business, agency, partnership, joint ventures, corporations, professional and legal responsibility, business structure, secured transactions, and bankruptcy. Prerequisite: Completion of BUS260 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. 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.

BUS494  Integrated Business Experience  
This course engages students in action research to refine their business skills. College faculty and business mentors guide students in a comprehensive hands-on evaluation of an organization to gain greater understanding of optimal business flow and
function. The three types of business strategy (corporate, competitive, and functional) are the lens for the course. Skill development includes environmental scanning, SWOT analysis, activity mapping, core competency assessment, performance metric identification, leadership methods, customer/market/IT systems, and regulatory compliance. A grade of 2.0 or higher is required in this course. Prerequisite: Completion of MGT350 and FIN300 with grades of 2.0 or higher. Co-requisite: BUS495 or ENT495 for Entrepreneurship majors only.

**BUS495 Business Strategy and Policy**

*Fall-Spring Semesters*

A capstone course that examines the policy-making and planning process from the management perspective. 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. Prerequisites: Senior standing, completion of 90 credits and completion of ACC225, BUS260, ECO201, FIN300, IFS305, MGT150, MGT350, MKT100, QBA265 with grades of 2.0 or higher. This is a writing/communication-intensive course. Students enrolled in this course during the fall and spring semesters are required to take a comprehensive examination in business. A grade of 2.0 or higher is required in this course to graduate.

3 credit hours.

**BUS498, BUS499 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.
tial 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).
5 credit hours.

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 to develop presentations on relevant topics. The course is primarily discussion based and will include seminars, demonstrations, and outside speakers.

1 class period.
1 credit hour.

**CHM 230 Chemistry Literature Colloquium**
*Fall-Spring Semester*
This course is designed to expose students to the chemical literature and provide guided practice writing within the discipline. Students will learn how to critically read journal articles, write scholarly papers, and give well-organized presentations on topics related to the chemistry discipline. Constructive feedback will be given to facilitate the revision process, thereby improving the final drafts. Prerequisite: CHM 234 with a grade of 2.0 or higher.

2 class periods.
2 credit hours.

**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, MAT291, 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
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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. Prerequisites: 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. Technical procedures include instrument 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 and addresses communication needs in the student’s 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 audio and video environments. Special emphasis is placed on development of the voice, breathing, articulation and enunciation, and camera presence. Students can expect to learn different performance techniques used in a variety of program formats including but not limited to news, talk, interviews, commercials, promos, and public service announcements.

3 credit hours.
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  
**Fall and Spring Semesters**
This course studies the theory and performance of public speaking. Emphasis is placed on audience analysis and the rhetorical situation. Considerable emphasis on effective skill development. Organization, content, style, and delivery will be studied. Prerequisite: CM104.

3 credit hours.

CM220  Media Sales  
**Fall Semester**
This course is designed to introduce students to the lucrative profession of media sales and marketing. The process of prospecting, developing creative media-driven solutions to marketing problems and moving them from concept to measured media deliveries will be explored in this class. The course includes role-playing, case studies, media metrics, presentation skills, project work, and creative approaches to solution-based marketing.

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 assignments exploring areas 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
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 internationa-
al 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 Semester*
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 using computer-based audio production system Protools and digital audio mixing consoles as it applies to audio, music, radio, and video production. Prerequisites: CM226 or with the permission of the instructor.

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 digital affiliate news products and computer-based news production software. This course requires extensive concentration to local, regional, national and international news, the art and practice of news writing, and serves as the foundational course for those interested in careers in broadcast news producing, reporting and anchoring. Prerequisites: CM226 and CM242.

3 credit hours.

CM341  Video Production II  
*Fall-Spring Semesters*
This advanced digital video production course concentrates on the art and practice of documentary storytelling. Students are required to critically research and effectively pitch a documentary story, and its production process, including storyline, treatment, budget, equipment, execution, and distribution. After concept approval, students will apply elements of video composition and pre- and post-production techniques in shooting and editing a factual or reality-based documentary project. Students also engage in aesthetic criticism throughout the process. Prerequisite: CM242.

4 credit hours.

4 hours practicum.

CM355  Broadcast and Online Reporting  
*Spring Semester*
This advanced news course involves the study and skill development of reporting in the convergent environment of broadcast and online news. Students will learn journalistic newsgathering skills, specific writing styles for broadcast and for the web, delivery styles, live and package productions, and media ethics. Students who intensely desire a career in broadcast and online reporting, photojournalism and news editing will be required to cover local news and produce broadcast quality reports. Each student will produce air checks and prepare a career plan to enter the discipline of news after graduation. Prerequisite: CM340.

3 credit hours.

CM402  Communication Seminar  
*Fall Semester*
This capstone course for Speech Communication majors involves an intensive examination of communication theories and concepts through directed research and writing. Students develop skills in qualitative and quantitative research and data analysis. Course evaluation requires successful completion of a formal communication 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. Students develop a strategic plan as a final group project. 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 a crisis event. Students will develop a crisis communication plan. Prerequisite: CM415.  
3 credit hours.

CM426  Audio Production III  
*Spring Semester*
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. Advanced ProTools audio software methods are explored. Techniques of music production, sound design, and live/field recording are examined. Prerequisites: CM336, or with permission of the instructor.  
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 involve student work experiences at selected cooperating firms and organizations of interest to the student. The opportunity is designed to apply student course knowledge, skill and ability in a professional work setting, under on-site supervision. Prerequisites: 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. Prerequisites: 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. Basic programming structures will be introduced using a simple scripting language. Students are required to complete a group project involving computer hardware or software.

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#. Prerequisite: CS101 with a grade of 2.0 or higher.

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 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 nonprocedural and logic programming; object-oriented programming; and program verification. Prerequisite: CS201 with a grade of 2.0 or higher.

3 credit hours.
CS350  Data Structures  
*Fall 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 or ECE235 or MAT280) with a grade of 2.0 or higher.  

3 credit hours.

CS365  Parallel and Distributed Computing  
*Spring Semester*

This course explores the theory and practice of designing and implementing programs to run on multiple processors in parallel. A number of programming projects using C/C++ with the pthreads and MPI libraries will provide an opportunity to implement and benchmark parallel programs. Additional topics may include OpenMP, fork/join frameworks, Java threads, lock-free and optimistic concurrency, distributed object frameworks, and general network communication using sockets. Prerequisites: CS350 and 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, basic rendering techniques, lighting, and texture mapping. Additionally programmable shaders will be introduced through current graphics API shader languages. Students will demonstrate these topics through projects using a standard graphics API as the programming platform. Prerequisite: CS201 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 inter-process 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, inter-process communication, system calls, and memory management. Prerequisite: CS340 or ECE260 with a grade of 2.0 or higher.  

3 credit hours.

CS456  Social and Professional Issues in Computing  
*Spring Semester*

This course studies the social impact, implications and effects of computers, and the responsibilities of computer professionals in directing the emerging technology. Specific topics include an overview of the history of computing, computer applications and their impact, the computing profession, the legal and ethical responsibilities of professionals, and careers in computing. Prerequisite: Minimum of 89 credits.  

3 credit hours.

CS470  Advanced Graphics Programming  
*Fall Semester*

This course is a follow up to CS370 and will explore more advanced graphics programming topics. Topics will include creating geometry using meshes, applying stencil and accumulation buffers for shadows, developing both application and GPU particle
systems, advanced lighting effects, environment and cube maps, and other advanced shader effects. Both HLSL (DirectX) and GLSL (OpenGL) shader languages will be used for implementation of the various shader effects. Students will demonstrate their knowledge through several projects throughout the semester. Prerequisite: CS370 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: 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
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, the elements of crimes and defenses to criminal charges. 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.
Criminal Justice 385

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.

CJA314 Organized Crime
This course will introduce students to the development of organized crime in the United States and to the current state of traditional and modern-day criminal groups, including international organized crime. The definition and structure of organized crime and an explanation of organized crime will be examined. The business of organized crime will be explored, including crimes such as gambling, loan-sharking, money laundering, and drug offenses. In addition, law enforcement response strategies and the criminal statutes used to combat organized crime will be reviewed. Prerequisite: CJA101.

3 credit hours.

CJA 322 Examining Terrorism
This course will introduce students to the phenomena of terrorism and extremism. Emphasis will be placed on extremism as a foundation for terrorist behavior, types of terrorism, and how governments and law enforcement agencies respond to terrorism. In light of domestic terrorist incidents in Oklahoma City and on September 11, 2001, as well as domestic hate crimes, the course will also weave a thread of extremist literature and perspectives throughout the semester. 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 juvenile justice system by reviewing and analyzing 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. Prerequisites: 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 of 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 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 populations 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 a minimum grade of 2.0 in 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 personnel will be covered. Student preparation for the Security Supervision and Management Program offered by the International Foundation for Protection Officers will be included. Prerequisite: CJA101.

3 credit hours.

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, a minimum grade of 2.0 in CJA295, a minimum grade of 2.0 in 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. Prerequisites: Permission of the instructor and Criminal Justice Coordinator, junior/senior standing, and 12 hours in Criminal Justice.

1-3 credit hours each semester.
EARTH/SPACE SCIENCE

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 (ESS153).  
- 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.

ECONOMICS

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. Prerequisite: Completion of 29 credits.

- 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 29 credits, including ECO200 with a grade of 2.0 or higher.

- 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. Prerequisites: Comple-
tion 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.

ECO345 The Economics of Urban Revitalization
Spring Semester
Urban neighborhoods and streetscapes throughout the United States are being revitalized with new construction, the renovation of historic buildings, and the opening of new small businesses. This course will investigate why such initiatives are important to the local and regional economy. Students will explore the various tools and funding sources available to economic developers and community development corporations leading the revitalization of urban neighborhoods. Using the City of York as a case study, students will get a hands-on view of local redevelopment efforts and speak with key leaders who are planning, building, and nurturing new neighborhoods. Prerequisite: Completion of FIN300 or PS352 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
This course is an analysis of money and credit and their relationship to economic activity and prices. The organization, operation, and functions of the commercial banking system are studied. The objectives, functions, and control instruments of the Federal Reserve System are examined, as well as international financial topics. Prerequisites: 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 contemporary economic crossroads. Prerequisites: Completion of ECO360 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. Prerequisite: Completion of FIN300 with a grade of 2.0 or higher.

3 credit hours.

IBS401 International Economics
(See International Business Section)

ECO450 Economics 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. Prerequisites: 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.

EDUCATION

EDU200  Introduction to American Education
Fall-Spring Semesters
Emphasizes the role of the school as a societal setting, 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.

EDU210  Educational Technology
Fall-Spring Semesters
Educational Technology 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.

EDU220  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.

EDU230  Enhancing the Education Curriculum with Music and Art
Fall-Spring Semesters
This course provides the Early Childhood and Middle Level Education majors with knowledge of the basic elements, principle and concepts of music and art. The goal is to use these creative endeavors as a tool to enhance the various areas of the education curriculum. Students will learn to find and use resource materials that will help them to be more creative in their teaching approach to core curricular subjects while encouraging their students to understand the intrinsic value of music and art.

3 credit hours.

EDU305  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.

EDU310  Principles of Athletic Coaching
Spring Semester
A course designed to supply students with an ethically and educationally sound philosophy under-
lying 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.

EDU315 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.

EDU320 Physical Education/Health in the Classroom
Fall-Spring Semesters
This course will provide the pre-K to eighth grade 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.

EDU335 Instructional Needs of English Language Learners
Fall-Spring Semester
This course provides teacher education majors with techniques to address the needs of English Language Learners (ELLs). Acquiring English as social, cognitive and academic concepts is examined. Research related to effective use of instructional strategies is discussed, including the PA English Language Proficiency Standards (ELPS), assessment, and planning for literacy and content area instruction. Language issues are discussed within the socio-cultural contexts of use in the home, community and school. Legal issues impacting instruction, common terms, and professional resources and organizations related to serving ELLs are explored. Prerequisite: PPES.

3 credit hours.

EDU370 Psychology of Learning/Elementary Education
Fall-Spring Semester
This course is designed to provide the student who majors in Early Childhood Education or Early Childhood/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. Prerequisites: PSY100 and PSY221.

3 credit hours.

EDU375 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 the 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.

EDU425 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 nonacademic issues. Teaching methodologies employed will include discussion, case study analysis, and simulations.

1 credit hour.

**EDU450 Curriculum, Instruction and Assessment**

*Fall-Spring Semesters*

This course focuses on current best practice regarding principles and procedures of effective curriculum development, implementation, and assessments. Teacher candidates will not only gain foundational knowledge regarding curriculum, they will develop a working knowledge of assessments through student immersion into a teaching environment. Students will research and interpret curriculum and assessment data, along with learning relevant procedures for gauging student understanding and scaffolding activities for learning. All of these will lead to the development of a unit that demonstrates the ability to effectively assess, develop curriculum, and deliver instructions. Prerequisite: PPES.

3 credit hours.

**EDU470 Professional Development**

*Fall-Spring Semesters*

This course is designed for teacher preparation 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.

**EDU480 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.

**EDU490 Advanced Seminar In Education**

*Fall Semester*

This course is designed for Early Childhood and Middle Level Education majors. Emphasis will be placed on the most current theories, standards, principles, and educational practices relevant to specific disciplines within typical school curricula. The course will emphasize the Socratic approach to learning in concert with site-based field research. Topics are subject to change during each course offering. Students enrolled in the course will be individually invited by the faculty of the Department of Education. Prerequisites: PPES standing; selection by the Education Department.

**EARLY CHILDHOOD EDUCATION**

**ECH300 Teaching Language Arts**

*Fall-Spring Semester*

This course is designed to introduce future educators to the teaching of language arts at the early childhood level (PK-4). Content includes current methods, materials, and research findings related to the teaching of listening, speaking, writing, and the reading-writing connection in the language arts classroom. Prerequisite: PPES.

3 credit hours.

**ECH305 Foundations of Reading Instruction**

*Fall-Spring Semesters*

This course is designed to introduce future educators to the teaching of reading at the early childhood level (Pre K-4). The experiences of this course will provide exposure to a variety of theories, research, and processes and practices related to the teaching of emergent and early reading instruction. Course experiences are designed to build competencies needed to successfully move theory, process and practice to application in the planning, creation and presenta-
tion of successful learning opportunities for the early childhood reader. Prerequisite: PPES.

3 credit hours.

ECH310  Diagnostic Reading & Instruction
Fall-Spring Semesters
This course is designed to help future early childhood educators identify reading and writing strengths and needs and how to incorporate reading strategies into classroom instruction to help facilitate student growth. Course topics include: differentiated reading instruction, three-tiered reading interventions, emergent literacy assessment and instruction, phonemic awareness assessment and instruction, phonics and word recognition assessment and instruction, fluency assessment and instruction, and comprehension assessment and instruction. Participants must take an active role in this learning process. Prerequisites: PPES & ECH305.

3 credit hours.

ECH315  Teaching Social Studies at the Early Childhood Level
Fall-Spring Semester
This course will prepare students for teaching social studies at the Early Childhood level. 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 early childhood teachers implement the national social studies standards. Prerequisite: PPES.

3 credit hours.

ECH320  Teaching Mathematics at the Early Childhood Level
Fall-Spring Semesters
This course provides preparation for and practice in teaching early childhood mathematics. Students are provided with the essential strategies that facilitate the development of mathematical concepts in the early childhood curriculum. The course includes instructional techniques, assessment strategies, using children’s literature, and cooperative grouping through “hands-on” inquiry. A process approach that meets the National Council of Teachers of Mathematics (NCTM) standards is used in this course. Prerequisite: PPES.

3 credit hours.

ECH330  Teaching Science at the Early Childhood Level
Fall-Spring Semesters
This course is a preparation for, and practice in, teaching early childhood science. Emphasis is placed on the inquiry approach and the development of concepts. The course includes instructional techniques, tasks that facilitate intrinsic motivation, questioning strategies, the use of children’s literature in science, and assessment techniques. The course is designed to help potential teachers implement the national science standards. Prerequisites: PPES.

3 credit hours.

ECH475  Directed Professional Educational Experience in Early Childhood Education
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.

ECH480  Focused Studies in Early Childhood 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 Department Chair. May be scheduled during the Student Teaching Semester only.

10 credit hours.

ECH485  Student Teaching Practicum in Early Childhood Education
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 Department Chair. May be scheduled during the Student Teaching Semester only.

1 credit hour.

ECH490 Selected Topics in Early Childhood 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.

ECH495 Student Teaching in Early Childhood Education
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 EDU480. $230 fee (subject to change).

10 credit hours.

MIDDLE LEVEL EDUCATION

Prerequisite: Pre-Professional Educator Status (PPES). The following courses may not be scheduled until PPES has been attained.

MLE300 Teaching Language Arts
Fall-Spring Semester
This course is designed to introduce future educators to the teaching of language arts at the middle level (4-8). Content includes current methods, materials, and research findings related to the teaching of listening, speaking, writing, and the reading-writing connection. Prerequisite: PPES.

3 credit hours.

MLE305 Foundations of Reading Instruction
Fall-Spring Semesters
This course is designed to introduce future educators to the teaching of reading at the upper elementary and middle level (4-8). The experiences of this course will provide meaningful exposure to a rich variety of theories, research, processes, and practices related to the teaching of reading at the middle level. Course experiences are designed to build competencies needed to successfully move theory, process and practice to application in the planning, creation and presentation of successful learning opportunities for the middle level reader. Those experiences are also designed to heighten individual awareness of contemporary literacy issues and one’s personal philosophy of reading. Prerequisite: PPES.

3 credit hours.

MLE310 Diagnostic Reading & Instruction
Fall-Spring Semesters
This course is designed to help future middle level educators identify reading and writing strengths and needs and how to incorporate reading strategies into classroom instruction to help facilitate student growth. Course topics include: differentiated reading instruction, three-tiered reading interventions, word recognition and spelling assessment and instruction, fluency assessment and instruction comprehension assessment and instruction, and reading attitude and motivation assessment and instruction. Participants must take an active role in this learning process. Prerequisites: PPES and MLE305.

3 credit hours.

MLE315 Teaching Social Studies at the Middle Level
Fall-Spring Semester
This course will prepare students for teaching social studies at the middle level. 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 middle level education teachers implement the national social studies standards. Prerequisite: PPES.

3 credit hours.
MLE 320  Teaching Mathematics at the Middle Level  
*Fall-Spring Semesters*  
This course provides preparation for and practice in teaching middle level mathematics. Students are provided with the essential strategies that facilitate the development of mathematical concepts in the middle level curriculum. The course includes instructional techniques, assessment strategies, using children’s literature, and cooperative grouping through “hands-on” inquiry. A process approach that meets the National Council of Teachers of Mathematics (NCTM) standards is used in this course. Prerequisite: PPES.  
3 credit hours.

MLE330  Teaching Science at the Middle Level  
*Fall-Spring Semesters*  
This course is a preparation for, and practice in, teaching middle level science. Emphasis is placed on the inquiry approach and the development of concepts. The course includes instructional techniques, tasks that facilitate intrinsic motivation, questioning strategies, the use of children’s literature in science, and assessment techniques. The course is designed to help potential teachers implement the national science standards. Prerequisites: PPES.  
3 credit hours.

MLE475  Directed Professional Educational Experience in Middle Level Education  
*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.

MLE480  Focused Studies in Middle Level 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 Department Chair. May be scheduled during the Student Teaching Semester only.  
10 credit hours.

MLE485  Student Teaching Practicum in Middle Level Education  
*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 Department Chair. May be scheduled during the Student Teaching Semester only.  
1 credit hour.

MLE490  Selected Topics in Middle Level 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.

MLE495  Student Teaching in Middle Level Education  
*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 EDU480. $230 fee (subject to change).  
10 credit hours.
SECONdARY EDUCATION

Prerequisite: PPES. The following courses may not be scheduled until PPES has been attained.

SE318  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 nonacademic issues. Teaching methodologies employed will include discussion, case study analysis, and simulations.
1 credit hour.

SE351  Teaching Strategies in the Secondary Schools
Fall-Spring Semester
Students and instructor share in the presentation and evaluation of individual mini-lessons. Microteaching 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.
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, or permission of Coordinator of Secondary Education. (SE351 strongly 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, 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, 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, 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.
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 Department 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 Department 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

SPE200  Special Education Processes and Procedure and Cognitive Development of Diverse Learners in a Standards Aligned System (all Education majors)
*Fall-Spring Semesters*
This course provides an in-depth review of the philosophical, historical and legal foundations of special education. Students will learn about students with disabilities and their cognitive development. They will delineate how individual students acquire and process information including issues with memory, attention, perception, action and problem-solving. Students will apply concepts of human development and recognize how to plan and implement effective instruction in a standards aligned educational system for diverse learners. The students will learn the federal and state legal mandates for serving students with disabilities and the implications of the mandates on program models.

3 credit hours.

SPE205  Evidence Based Effective Instruction: Students with Autism Spectrum and ADHD
*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-8. 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.

3 credit hours.

SPE206  Evidence Based Effective Instruction: Students with Emotional and Social Disabilities
*Fall-Spring Semesters*
Pre-service educators are provided with knowledge of the symptoms, etiology, diagnostic criteria and assessment techniques of students N-8 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. The role of paraprofessionals and parents as partners will be included as well.

3 credit hours.

SPE300  Effective Instructional Methods and Supports for Students with Disabilities in Inclusive Settings (all Education majors)
*Fall-Spring Semesters*
This course provides students with research-based teaching principles and methodologies to assist all learners in becoming independent, self-regulated learners in the least restrictive environment. Content emphasis will include areas such as differentiated instruction, co-teaching, curricular modification and scaffolded instruction. Students will apply learned strategies through practicum experiences and student teaching. Prerequisite: SPE200.

3 credit hours.

SPE301  Literacy Development and Instruction in Core and Intervention Areas Including Inclusive Practices (all Education majors)
*Fall-Spring Semesters*
This course focuses on the following major topics: a conceptual understanding of the components of reading, phonological awareness & phonics, fluency, vocabulary, and text comprehension and describes how these areas pose challenges for students with disabilities. Students will also articulate and model the use of assessment and research based explicit and systematic instruction in the teaching of literacy (reading and writing) for students with disabilities across all reading levels, as well as issues and trends in the inclusion of students with disabilities. Students will be able to demonstrate efficient differentiated instruction. Prerequisite: SPE200.

3 credit hours.

SPE302  Assistive and Augmentative Technology: Universal Design to Support Standards Aligned Areas of Instruction
*Fall-Spring Semesters*
This course provides prospective teachers with an overview of assistive devices that can be implemented in classroom settings for individuals N-8 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. Prerequisite: PSY227 or PSY100.

3 credit hours.

SPE333  Assessment/Instructional Design: Evidence Based Effective Instruction: Specific Learning Disabilities
Fall-Spring Semesters
This core course in special education will examine specific learning disabilities, 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-8. Content will focus on (a) the psychological processes that interfere with learning; (b) the formal diagnostic process, (c) development and implementation of individual education plans (IEPs), (d) the assessment-teaching process using the clinical teaching model, task analysis and curriculum-based assessment, and research-based instructional strategies. Prerequisites: PSY100 or PSY227.

3 credit hours.

SPE364  Educational Assessment of Students with Disabilities
Fall-Spring Semesters
The course is organized around three major themes: measurement concepts, evaluation of student performance and assessment of basic skills and content knowledge. Assessment, diagnosis, and writing and implementation of progress monitoring will be examined. Norm-referenced, criterion-referenced and individually referenced assessments will be examined and evaluated as to their relevance for different instructional purposes.

3 credit hours.

SPE400  Behavior Design, Intervention, & Classroom Management
Fall-Spring Semesters
This course is designed primarily for 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 and motivating a 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 (f) designing a proactive class-wide behavior management plan. Prerequisites: PSY100 or PSY227.

3 credit hours.

SPE410  Educating Students with High Incidence Disabilities Using Evidence Based Instruction
Fall-Spring Semesters
This course will address the historical foundations of educating children with mild disability (learning disabilities, mild mental retardation, emotional disturbance), definitions, etiology, characteristics, assessment, educational approaches and designing specific educational interventions. Particular focus will be on developing literacy skills including reading, writing, listening and speaking as delineated in the Pennsylvania Academic Standards using elements of effective instruction. It also focuses on identification of types, characteristics, etiology and assessment of students grades N-8 who are mentally retarded.

3 credit hours.

SPE411  Educating Students with Low Incidence Disabilities Using Evidence Based Instruction
Fall-Spring Semesters
This course will provide a comprehensive review of curricula and address program and curriculum development for students who have severe disabilities. Autism, significant mental retardation, multiple disabilities, brain injury, etc. Topics include the development of programs in functional academics, home living, social interaction, language and communication, leisure, community-based instruction and vocational training. The issue of generalization of learned skills into real world environments will be presented.

3 credit hours.
SPE475  Directed Professional Educational Experience in Special Education

*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.

SPE480  Focused Studies in Special 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 Department Chair. May be scheduled during the Student Teaching Semester only.

10 credit hours.

SPE485  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. Corequisites: SPE490 and SPE475.

1 credit hour.

SPE490  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. Corequisites: SPE485 and SPE475.

1 credit hour.

SPE495  Student Teaching

*Fall-Spring Semesters*

Under the supervision of college and cooperating teacher staff, the student majoring in Early Childhood/Special Education Dual Certification Program engages in on-site planning, teaching, and evaluating classroom learning activities in an elementary and special education settings. Focus will be on the integration of all aspects of the practicum as an integral part of this course. Two seven and a half week experiences will be in an early childhood (Pre-K through 4) classroom and a special education classroom. Prerequisites: Admission to the Student Teaching Semester, successful completion of EDU480. $230 fee (subject to change).

10 credit hours.
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  
*Fall and Spring Semesters*
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 the automatic control of linear, time-invariant systems. Topics include: controller design using root locus, frequency domain techniques, and state-space techniques. Additionally, students will evaluate these techniques for performance, stability, and compensation. The laboratory emphasizes computational tools for control analysis and design. Prerequisite: 2.0 or higher in EGR342.

3 credit hours.
2 lecture hours.
3 laboratory hours.

EGR442 Applied Control
Spring Semester
This course introduces fundamental principles and applications of applied control. Topics include analytical techniques for digital control, design using transform and state-space methods, and multi-input, multi-output systems. The laboratory is dedicated to hardware implementation of proportional, integral, derivative (PID) control and other advanced controllers, as well as computational methods for discrete system analysis and controller design. 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 semesters 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. 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.

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, resistors, 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 first- and second order systems are examined. Magnetic circuits are introduced. Applications of diodes and transistors, and 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 signal and system performance using time and frequency domain techniques. 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 focuses on signal processing solutions to real-world problems. Prerequisite: 2.0 or higher in ECE280.

4 credit hours.
3 lecture hours.
3 laboratory hours.

ECE335 Discrete Mathematics with Applications
Summer Semester
This course introduces students to fundamental concepts in discrete mathematics and their application to solve problems in computer engineering and computer science. Topics include sequential and quantified logic, proof techniques using sets, relations, and functions. Additionally, students will be introduced to the mathematics of recursion and algorithm efficiency, as well as graph, tree, and automata structures. Prerequisite: 2.0 or higher in CS201.

3 credit 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. Prerequisites: 2.0 or higher in both ECE332 and EGR240.

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.
**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.

**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.

**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.

**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.

**ECE420  Embedded System Design**  
*Summer 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 computer 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 to design and build a safe, reliable, and robust embedded system. Prerequisites: 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 analog and digital 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 Semester
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 equilibrium 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.

ME252 Dynamics and Vibration
Fall 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 act-
ing 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
Summer 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
Summer 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 MAT172.

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
Fall 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
Fall 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.

ME430  Applied Energy Systems

This course is designed to provide students with fundamental and in-depth training in engineering principles that relate to thermodynamics and fluid mechanics. The course will focus on energy and fluids engineering by covering topics such as renewable energy, nano- and micro-scale transport phenomena, aerodynamics and biofluid mechanics. The specific applications addressed may change depending on current advancements in engineering and interest in particular topics by the student and/or instructor. Corequisites: ME410, ME411.

3 credit hours.

ME432  Applied Thermal Science

This elective course focuses on applications of thermodynamics, fluid mechanics and heat transfer to current and relevant mechanical engineering problems. The course emphasizes application of the fundamental thermal laws, including conservation of mass, momentum and energy and the second law of thermodynamics, to design and analyze en-
ergy systems. The specific applications addressed may change depending on current advancements in engineering and interest in particular topics by the students and/or instructor. Prerequisites: ME410, ME411.

3 credit 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. Prerequisites: 2.0 or higher in both ME264 and EGR240.

3 credit hours.

**ME460 Applied Kinematics and Dynamics**

This course covers advanced topics in kinematics and dynamics as applied to a variety of fields that may include robotics, aerospace systems, vehicle design, biomechanics, and precision engineering. Topics may include analysis of mechanisms, cam design, 3-D rotational dynamics of rigid bodies, Lagrangian mechanics, Kane’s Method, computer simulation of dynamic systems, and system identification. The specific applications addressed may change depending on current advancements in engineering and interest in particular topics by the students and/or instructor. Prerequisites: EGR342, EGR392.

3 credit hours.

**ME462 Applied Mechanics and Materials**

This course explores one or more areas of design, solid mechanics or materials. Topics of study may include composite materials, specialized materials, modern issues in mechanics and materials, kinematics and dynamics. Additionally, one or more applications of modern materials or analysis techniques may be explored through a student paper or a design project. The specific applications addressed may change depending upon current advancements in engineering and interest in particular topics by the students and the instructors. Prerequisites: ME380, EGR342.

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.

**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. Prerequisites: Completion of ENT150 and MKT100 with grades 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. Prerequisites: Completion of ENT150 and MGT150 with grades of 2.0 or higher.

3 credit hours.

ENT350 Creativity and Innovation
Spring Semester
This course explores the underlying premises of creativity, basic frameworks and concepts, and the obstacles to creativity. The central focus of this course is on innovation that leads to launching a new business venture; improving the potential of small businesses; or reinvigorating a larger, more mature company. This course challenges students to risk making mistakes in their quest in developing ideas that may lead to a true innovation of a product, service, or process. Students are given the opportunity to integrate theoretical perspectives learned in readings and classroom activities with hands-on experiences. Prerequisite: Completion of 60 credits.

3 credit hours.
ENT360  Financing Entrepreneurial Ventures  
*Spring 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. Prerequisites: Completion of ENT220, ENT260, ACC220, ACC225, QBA260, ECO200, ECO201, and FIN300 with grades of 2.0 or higher.  
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, breakeven analysis, acquiring financing, and strategic planning. Prerequisite: BUS360 and ENT360 with a grade of 2.0 or higher in each course.  
3 credit hours.

ENT470, ENT472, ENT474  Special Topics 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. Prerequisites: 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.

ENT495  Business Plan Writing  
*Spring Semester*
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: BUS360 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.

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.

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. 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. 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. 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. Prerequisites: WRT102, FLM216.
1-3 credit hours.

FINANCE

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 affect the decision-making process of corporate financial managers. Prerequisites: Completion of ECO201 and either 1) two accounting courses and QBA260, 2) two accounting courses and EGR305, or 3) 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. Prerequisites: Completion of FIN300 and BUS260 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
(See International Business Section)

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 FIN300 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.

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.

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. Prerequisites: 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. Prerequisites: 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.

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.

FCM362/CJA362 Crime Scene Processing

Fall-Spring Semesters
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 aides. Prerequisite: FCM200/CJA230 with a grade of 2.0 or higher.

3 class periods.
1 three-hour laboratory.
4 credit hours.

FCM410 Forensic Body Fluid Analysis

Spring Semester
This course examines blood and other body fluids found at crime scenes. The history of the development of forensic serology, handling fluids at a crime scene, blood splatter interpretation, the specific sequence of tests used in body fluid analysis, DNA analysis, and court presentation will be covered. Prerequisites: FCM200, CHM236, BIO150 with a grade of 2.0 or higher.

3 class periods.
1 three-hour laboratory.
4 credit hours.
FCM451  Forensic Laboratory Experience  
*Spring Semester*
This laboratory-based course is designed to give the advanced student crime laboratory experience in examining, analyzing, and identifying evidence. In several simulated court presentations, students sharpen their skill in presenting evidence as a scientific expert. The areas covered are hairs, fibers and polymers, glass, soil, gunshot residue, fire and bomb debris, and drugs. Prerequisites: FCM200, CHM236, CHM338.

2 three-hour laboratories.  
2 credit hours.

FCM480  Forensic Chemistry Independent Study
In this course, the student chooses an in-depth study in a specialized area of forensic chemistry. The study will apply existing research to gain insight into the area(s) studied and or contribute research or techniques to the field of forensic chemistry. Prerequisites: FCM200, CHM236, CHM338.

3 credit hours.

G241  International Service Learning: Making a Difference in a Globalizing World
This course is the first in a two-part series that integrates academic perspectives on how to make a positive difference in a globalizing world with the experience of doing local and international service work. The objective of this semester is to understand contemporary perspectives on globalization, development, and social change in an international context. This course will prepare students to travel to an international destination. Permission of instructor required.

1 credit hour. Satisfies ADR V.

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  Metropolitan Development  
*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  Globalizing Economic World
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 manufacturing and commercial activities. Not open to freshmen.

3 credit hours. Satisfies ADR II.

G336/HIS386  Historical Geography of North America
Spring Semester
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/G349  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.

G350  Survey of Canada
Spring Semester
Geographic interpretation of Canada emphasizing physical environment, historical geography, economy, population trends, urbanism, bi-cultural accommodation, and relations with the United States. Not open to freshmen.

3 credit hours. Satisfies ADR V.

G352  Geographic Perspectives on Sustainability
Fall Semester
This course will examine issues of sustainability at a variety of scales (from local to global) relating to the geographies of resources and resource extraction, production, distribution, consumption, and the disposal of commodities. The class will focus on the relationships between humans and their environments and approach environmental problems by examining the demographic, cultural, and economic processes which have increased resource consumption and waste.

3 credit hours. Satisfies ADR II.

G361  Introduction to Geographic Information Systems
Fall-Spring Semesters
Introduces students to the process of using geographically registered data to analyze patterns and processes on the earth’s surface. The analysis integrates database operations and computer generated maps so as to provide information for the explanation of events, the prediction of outcomes, and strategic planning with application in a wide variety of disciplines such as business, history, government, biology, criminal justice, and public health. Fulfills an elective requirement for Information Systems majors.

3 credit hours.

G461  Advanced Geographic Information Systems
Spring Semester
This course expands upon skills and knowledge gained from introductory GIS by developing an understanding of additional tools and methods of analyzing spatial data. This course will introduce students to more complex techniques and a deeper
theoretical understanding of geographic data management. Students will design, implement, and manage a semester-long project related to their field of study. Prerequisite G361.

3 credit hours.

G470- G479 Selected Topics in Geography
Various advanced topics in the field of Geography. Prerequisite: G243.

3 credit hours. Satisfies ADR II.

G481, G482 Independent Study
A geography independent study offers students an opportunity 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. Prerequisites of 60 credit hours completed with a minimum overall GPA of 2.5 and G243 or permission of the instructor.

1-3 credit hours.

GERONTOLOGY

GER100 Perspectives on Aging
Perspectives on Aging is a multidisciplinary course that provides a foundation for understanding the human experience of aging. This course will focus on the intersection of social, biological, and psychological aspects of aging as well as demographic trends and careers in aging. Perspectives with which different disciplines approach human aging and the implications of an aging society will be addressed. Students will learn about how concepts in aging can be applied in professional and personal venues.

3 credits. Satisfies ADR II.

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.  Satisfies ADR II.

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 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 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  Health In Later Years
*Fall-Spring Semesters*
A survey of the known physiological changes of
HISTORY

HIS101 (H219) Western Civilization I
*Fall-Spring Semesters*
This course covers the history of the western world, or what is called Western Civilization, from the earliest human activity through the Reformation era of the 16th century. This course will cover the following topics: early civilizations; ancient Egypt, Greece, and Rome; the rise of Christianity and Europe after the decline of the Roman Empire; the Middle Ages; Western interaction with the non-West; the Renaissance; the Reformation. Political, economic, cultural, and social developments will be explored.

3 credit hours. Satisfies ADR IV.

HIS102 (H220) Western Civilization II
*Fall-Spring Semesters*
This course covers the history of the western world, or what is called Western Civilization, from the impact of the Reformation in the 16th century through the recent past. This course will cover the following topics: the aftermath of the Reformation; the development of absolutism and constitutionalism as political systems; the Scientific Revolution and the Enlightenment; the French Revolution; the industrial transformation of the West; the development of major political ideologies; the impact of nationalism and imperialism; the post World War II era, including the Cold War, the revolutions of 1989, and political, cultural, and economic challenges posed to the West by global developments.

3 credit hours. Satisfies ADR IV.

HIS111 (H221) American Civilization I
*Fall-Spring Semesters*
This course provides a survey of American Civilization from the Age of Exploration to the end of the American Civil War. Among the topics to be examined will be: European exploration of North America, Native American civilization, European settlement and the evolution of colonial British America, the American Revolution, the creation of the American nation, the early national experience, early nineteenth century growth and expansion of the nation, the Antebellum experience, and the American Civil War. These topics will be presented chronologically with an emphasis on the evolution of a distinctive American culture and character.

3 credit hours. Satisfies ADR IV.

HIS112 (H222) American Civilization II
*Fall-Spring Semesters*
This course provides a survey of American Civilization from Reconstruction after the American Civil War to the present. Among the topics to be examined will be: post Civil War Reconstruction of the nation, westward expansion in the late nineteenth century, industrialization, Progressive reform in industrial America, World War I, the Great Depression, World War II, the Cold War, Vietnam and the Great Society, and America in the late twentieth century. These topics will be presented chronologically with an emphasis on the evolution of a distinctive American culture and character.

3 credit hours. Satisfies ADR IV.
HIS121  World History I  
*Fall-Spring Semesters*
This course introduces students to global historical developments from prehistory to 1750. Using both a chronological and thematic approach, this course will facilitate the student’s understanding of the international framework in which major societies developed and interacted in that timeframe. This course will explore geographical, cultural, political, economic, and social aspects of that history in specific regions, primarily in the non-Western (typically considered to be outside of Europe and the United States) world, and will allow students to compare and contrast developments across time and geographic space.

3 credit hours. Satisfies ADR V.

HIS122  World History II  
*Fall-Spring Semesters*
This course introduces students to global historical developments from 1750 to the present. Using both a chronological and thematic approach, this course will facilitate the student’s understanding of the international framework in which major societies developed and interacted in that timeframe. This course will explore geographical, cultural, political, economic, and social aspects of that history in specific regions, primarily in the non-Western (typically considered to be outside of Europe and the United States) world, and will allow students to compare and contrast developments across time and geographic space.

3 credit hours. Satisfies ADR V.

HIS130 (H227)  Colonial History of Latin America  
This course provides an examination of the civilizations of early Latin America. The Aztec, Inca, and Maya civilizations will be analyzed for their contributions to this early history. The course will also examine the period of the conquest, and the formation of Spanish and Portuguese empires in Latin America, and the empires’ impact on economics, society, daily life, and religion. The course concludes with an overview of the region’s independence and the colonial legacy.

3 credit hours. Satisfies ADR V.

HIS140 (H303)  History of Africa I  
This course offers a survey of Africa from the pre-historic period to the colonial era. An 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.

3 credits. Satisfies ADR V.

HIS141 (H305)  History of Africa II  
This course offers a survey of Africa from the period of independence and liberation movements to the recent past. The course will examine the formation of those movements, the process of gaining independence and decolonization, the restoration of African self-governance, and current crises and changes in post-independence Africa.

3 credits. Satisfies ADR V.

HIS200 (H240)  Methods and Theory in History  
*Fall-Spring Semesters*
This course introduces the students to methods and theories employed when doing historical research and interpretation. The course will prepare the students 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: HIS101, HIS102, HIS111, or HIS112 (H221, H222, H219, or H220).

3 credit hours.

HIS205 (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 oral histories of well-known area residents, the paper industry, Holocaust survivors, Vietnam Veterans, World War II veterans, the Greek-American community, and York College.

3 credit hours.
HIS206 (H474) Introduction to Museum Studies
This course is designed to provide students with a broad introduction to the field of museum work, with particular attention to history museums. Although the course focuses on history museums, the basic principles presented in this course apply to other types of museums as well, including those dedicated to science, art, or nature. Topics included will be: philosophy of museums; social, economic, and political trends that affect museums; staffing, management, and financing; multiples functions of museums, including care of objects, exhibition design, interpretation, education, research, and public relations.

3 credit hours.

HIS207 Historic Preservation
This course is designed to provide students with a broad introduction to the field of historic architectural preservation, one of the main branches of Public History. Through the course, students will begin to develop skills necessary for understanding public and private issues related to historical preservation of buildings and sites, and assessing such places for their historical significance. Topics included in the course will be: laws governing historical preservation; public/private sector issues; assessing the historical importance of architectural resources; and standards of evaluation.

3 credit hours.

HIS300 (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.

HIS301 (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 an examination of 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.

HIS302 (H318) Renaissance and Reformation
Between 1350 and 1600, two major movements, the Renaissance and Reformation, transformed the Middle Ages into the Early Modern period. These movements affected the politics, economics, education, religion, warfare, and culture of Europe, and paved the way for modern society. This course will provide an examination of the beginning of the 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 and outside of Europe and without as a result of global exploration.

3 credit hours. Satisfies ADR II.

HIS315 (H392) History of Technology to 1550
This course will examine the relationship between technology and human society from antiquity to the early modern period on the eve of immense scientific and technological breakthroughs. Students will investigate, through hands-on-methods, how technology influenced the development of society, how society influenced the development of technology, and how people in society viewed technology.

3 credits. Satisfies ADR II.

HIS319 (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.

HIS320 (H310)  Europe after 1914
This course will examine the history of Europe from World War I to the recent past. In this period, 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. 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.

HIS325 (H330)  History of Russia, 1861 to Present
This course provides a study of Russia from 1861 to the present. The course examines Russia transformed by World War I and the 1917 Revolution; the collapse of Tsarist Russia and formation of the U.S.S.R.; domestic developments and foreign relations under the Stalinist regime in the period prior to, during and after World War II; Gorbachev and his attempted reforms in the 1980s; the collapse of the Soviet Union in the wake of the 1989/1990 revolutions; and recent historical developments in Russia.

3 credit hours. Satisfies ADR V.

HIS320 (H320)  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.

HIS334 (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.

HIS337 (H335)  Germany 1815 to 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.

HIS340 (H233)  Pre-Columbian Civilizations: The Incas
This course provides an in-depth study of the Incan Indian civilization from the year 1000 B.C. to the arrival of the Spanish in 1530. Students will analyze historical and archaeological records, with a particular emphasis on recent scholarship in the field. Both historical and archaeological records are presented and interpreted. Students will examine Inca cosmology; subsistence strategies; social structure; intellectual, artistic, and technological achievements. Recent research concerning decipherment will be discussed.

3 credit hours. Satisfies ADR V.
HIS341 (H234) Pre-Columbian Civilizations: The Mayas
This course provides an in-depth study of the Mayan Indian civilization from the year 1000 B.C. to the arrival of the Spanish in 1520. Students will analyze historical and archaeological records, with a particular emphasis on recent scholarship in the field. Both historical and archaeological records are presented and interpreted. Students will examine Maya cosmology; subsistence strategies; social structure; intellectual, artistic, and technological achievements. Recent research concerning decipherment will be discussed.
3 credit hours. Satisfies ADR V.

HIS342 (H235) Pre-Columbian Civilizations: The Aztecs
This course provides an in-depth examination study of the Aztec Indian civilization from the year 1000 A.D. to the arrival of the Spanish in 1520. Students will analyze historical and archaeological records, with a particular emphasis on recent scholarship in the field. Both historical and archaeological records are presented and interpreted. Students will examine Aztec cosmology, subsistence strategies, social structure, intellectual, artistic, and technological achievements.
3 credit hours.

HIS343 (H228) Modern Latin America
The course examines the history of Latin America from 1800 to the present. The course focuses on 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, and the Caribbean, and explores 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 and challenges of democracy in Latin America, and the impact of immigration/immigration, and influence of Latinization on the United States. of democracy.
3 credit hours. Satisfies ADR V.

HIS350 (H351) American Colonial History (1607-1760)
This course examines the 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.

HIS352 (H352) The New American Nation (1760-1815)
This course examines the 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.

HIS353 (H353) The Jacksonian Era (Middle Period, 1816-1846)
This course presents an analysis of the political, economic, and social forces which characterized the Jacksonian period in American history. Emphasis is given to growing sectional tensions, major personalities, and popular culture of early 19th century America.
3 credit hours. Satisfies ADR II.

HIS363 (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 given to the intricate relationships between slavery, racism, economics, and politics.
3 credit hours. Satisfies ADR II.

HIS364 (H355) Civil War and Reconstruction, 1861-1877
This course will analyze the political, economic, and military ramifications of the Civil War. It will also examine 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.

HIS365 (H356) The Emergence of Modern America, 1877-1914
This course is a continuation of the American history sequence, from the end of the Reconstruction through the Wilson era. Emphasis will be placed on 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.

HIS367 (H358) Recent America, 1945-Present
This course provides 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.

HIS371 (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.

HIS372 (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.

HIS373 (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.

HIS375 (H441) American Economic History
This course studies the development of the American economy from colonial times to present with an emphasis on the late 19th and 20th centuries, stressing the growth of labor, rise of big business, and the changing role of government in the nation’s economy from the Civil War to present.

3 credit hours. Satisfies ADR II.

HIS380 (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.

HIS386 (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. This course is cross-listed as G336.

3 credit hours. Satisfies ADR II.

HIS387 (H307) North American Environmental History
Environmental history studies the changing relationship between human beings and the natural world through time. This course 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. The central premise throughout the course 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.

**HIS388 (HH306) Race and Racism in the Americas**

This course provides a historical survey of race and racism in the United States and the Atlantic world. The course will include an examination of the historical experience of various minority groups (i.e., Blacks, Indians, Hispanics, Asians), and a study of political, legal, economic, cultural, and social aspects of racism. Course content will also provide students with a comparative examination of concepts of race and racism between the United States and other areas of the world.

3 credit hours. Satisfies ADR II.

**HIS390 (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 help students 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. This course is cross-listed as WGS342.

3 credit hours. Satisfies ADR II.

**HIS391(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. This course is cross-listed as WGS340.

3 credit hours. Satisfies ADR II.

**HIS395 (H385), HIS 396 (H386) Special Topics in American History**

These courses provide coverage of topics of special interest in American history.

3 credit hours.

**HIS397 (H387), HIS398 (H388) Special Topics in World History**

These courses provide coverage of topics of special interest in world (non-U.S.) history.

3 credit hours.

**HIS399 Special Topics in Public History**

Courses offered under the Special Topics in Public History are designed to provide students with an in depth study of one of the branches of public history. The focus of these courses would be on professional skills development and their application in a site of public history. Examples of Special Topics in Public History include archiving: history education at public sites; historic preservation and the politics of the urban environment, monuments and memorials; preserving American material culture.

3 credit hours.

**HIS400 (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.

**HIS401 (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, students will meet the Vikings in all of their guises: as farmers, traders, explorers, colonists, mercenaries, and plunderers. In the course, students 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. The course 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.
HIS402 (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.

HIS403 (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.

HIS420 (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 arguably 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.

HIS421 (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.

HIS422 (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.

HIS440 (H481)  History of Terrorism
This course examines the historical development of terrorism, both from the point of view of those who use terror and from the perspective of its targets and victims. The course focuses first on terrorist organizations, studying the ideologies, motivations, and tactics of a number of terrorist groups throughout the world since the early 19th century. The course examines as well the issue of how states – particularly western democracies – have attempted to respond to the challenge of terrorism.

3 credit hours.
HIS441 (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.

HIS460 (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.

HIS461 (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.

HIS462 (H343 and H471)  U.S. in Vietnam  
This course surveys the United States’ involvement in Vietnam covering the period from the end of World War II until the withdrawal of US troops in 1975. Students will learn about the major events leading up to and associated with the war, will study the war from the soldier’s perspective, and will also study the complex interpretations of aspects of the war and its impact on the United States and the world.

3 credit hours.

HIS470 (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 and this will be examined in this course.

3 credit hours.

HIS471 (H476)  Film, Fiction and History  
This course explores two of the more popular modes through which history as a reconstruction and interpretation of past events is conveyed: historical fiction and its presentation through film. The vast majority of Americans may receive their strongest impressions of history through historical fiction and movies. This course will assist students in developing the skills necessary to read film and fiction as a genre of historical interpretation. The course may concentrate on American, European, or other aspects of World History.

3 credit hours.

HIS477, HIS488 (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 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. Course is cross-listed as PS479 and PS480.

3 credit hours.

HIS489, HIS490 (H421, H422)  Special Topics in American History  
See HIS395, HIS396 for description.

3 credit hours.
HIS491, HIS492 (H423, H424) Special Topics in World History
See HIS397, HIS398 for description.
3 credit hours.

HIS493, HIS494 (H425, H426) Special Topics in British History
These courses provide coverage of topics of special interest in British history.
3 credit hours.

HIS495, HIS496 (H460, H461) History Internship
The history internship provides specialized historical experience with various 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.

HIS497, HIS498 (H498, H499) Independent Study
Fall-Spring Semesters
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.

HIS499 (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: HIS200 (H240).
3 credit hours.

HUM230 Studies In London
This course offers students an opportunity to gain ADR 1 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.

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. Prerequisite: WRT102.
3 credit hours.

HUM382 American Freethinkers
This course examines the significance of secularist thought in America from the Revolution through 19th and 20th century discussions of slavery, women’s rights, evolution, abortion, and other social and economic issues. Prerequisite: WRT102.
3 credit hours.
HUM450, HUM451  Humanities Internship
The purpose of an internship is to provide stu-
dents with practical training and supervised work
experience in appropriate firms or organizations.
Internships are designed to give students an oppor-
tunity 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-relat-
ed experience. Responsibilities will vary according
to placement as determined by the work supervi-
sors 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 com-
plete an internship application.
3 credit hours.

HUM498, HUM499  Independent Study
An opportunity for the student who wishes to un-
dertake a well-defined, interdisciplinary research
project in the humanities. While the student con-
ducts work under the guidance of a faculty mem-
ber of his or her own choosing, the project is carried
out in an independent manner without regular class
meetings. Effective independent study is character-
ized by a reduction in formal instruction and an in-
crease 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 de-
velop the necessary research skills to locate, evalu-
ate, 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 me-
dia formats, and navigation of the York College net-
work, 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-Summer Semesters
IFS100 is a surrogate for a computer competen-
cy exam. Students are required to pass all compo-
nents of the competency exam within the first 30
credits; otherwise, they are required to take IFS105
within their first 30 credits. The exam covers funda-
mental concepts of Microsoft Windows and the
Microsoft Office applications of Word, Excel, and
PowerPoint. The exam will be given four times dur-
ing a semester. Students are encouraged to practice
for this exam and materials and instructions will
be provided via the normal textbook buying pro-
cedures. Mandatory pass/fail grading.
0 credit hours.

IFS105  Personal Productivity Computing
Fall-Spring Semesters
Presents the fundamentals of computers and com-
puter terminology. Stresses the importance of com-
puters as essential components of the business world
and society in general. Extensive lab segment focus-
es on the computer as a personal productivity tool
using word processing, spreadsheets, presenta-
tion managers, and databases.
3 credit hours.

IFS160  Visual BASIC Programming
Fall Semester
Introduces students to programming in the Win-
dows environment using the BASIC family of
languages. Windows concepts that are covered in-
clude programming forms, command buttons, dropdown 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.

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 fail 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
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 toward 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. Prerequisites: 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
Fall Semester
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 understand-
ing 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
Spring Semester
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.

IFS425 E-Commerce
Fall Semester (beginning Fall 2012)
This course analyzes how organizations use electronic commerce to streamline operations, reach customers, and increase profitability. Technologies utilized in electronic commerce will be examined, 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. Prerequisites: 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
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.

IBS370 International Marketing
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.
IBS375  International Management  
*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.

IBS401  International Economics  
*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.

IBS405  International Finance  
*Fall Semester*

This course is the study of international aspects of financial transactions. Topics studied include risk, expectations, and the behavior of exchange rates. Currency arrangements and the balance of payments are also examined, as well as international capital and money markets; liquidity and debt crisis. Prerequisites: Completion of ECO200, ECO201, and FIN300 with grades of 2.0 or higher.

3 credit hours.

IBS415  International Accounting  
*Fall-Spring Semesters*

This course addresses 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 international financial reporting standards (IFRS). Prerequisite: Completion of ACC325 with a grade of 2.0 or higher.

3 credit hours.

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 people, cultures, art, music, history, and politics of East Asia, including China, Japan, and Korea.

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.

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**Languages**

The College offers a baccalaureate major in Spanish and Spanish Education, as well as 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 language 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 unless written permission is granted by the Foreign Language Coordinator.

**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.

**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.

**Upper-level International Studies**
For students who wish to pursue upper-division International Studies courses, see the Political Science offerings.
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 résumés, 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 communi-
cation 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. Satisfies ADR V.

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. Satisfies ADR V.

FRN315 French Literature I
This course includes a selection of major works of the French language. Emphasis is on characteristic themes and styles. Prerequisite: FRN202 or equivalent.

3 credit hours. Satisfies ADR V.

FRN316 French Literature II
This course is a 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. Satisfies ADR V.

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. Satisfies ADR V.

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 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: 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.

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 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: 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.

3 credit hours. Satisfies ADR V.

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.

SPN207  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.

SPN364  Teaching Spanish in Early Childhood/Middle Level  
*Spring Semester*  
The course is designed for Spanish majors interested in pursuing a career in teaching Spanish. The content includes theories of language acquisition and an overview of approaches to teaching foreign language in early childhood and middle-level settings. Bilingual and immersion program design are also considered. Major emphasis is placed on developing age-appropriate lessons and methods of assessment for students in early childhood through middle elementary school level. Prerequisite: Junior standing.  
3 credit hours.

SPN365  Teaching Spanish in the Secondary Level  
*Fall semester*  
The course is designed for Spanish majors interested in pursuing a career in teaching Spanish. The content includes theories of language acquisition, an overview of approaches to teaching foreign languages and an introduction to language proficiency standards. The course is designed to prepare prospective teachers at the secondary level. Major emphasis is placed on age-appropriate lesson planning and practicing successful teaching techniques for the five skill areas of listening comprehension, reading, speaking, writing and cultural understanding. Prerequisite: Junior standing.  
3 credit hours.

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 or permission of the instructor.  
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 interrelationships 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.

3-6 credit hours.
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
LIT283 examines literature representative of British culture from the Anglo-Saxon era through the 18th century. Study may include Beowulf, The Canterbury Tales, Paradise Lost, Gulliver’s Travels, and other works considered influential in their own, and later, time periods.

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.

LIT360/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.

LIT361/LIT361  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.

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. Prerequisite: WRT102.

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: WRT102.

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: Completion of 50 credit hours and WRT102.

3 credit hours.

LIT410/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.

LIT415/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.

LIT416/THE416 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.

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.
LONG-TERM CARE ADMINISTRATION

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 GER215.

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: GER215.

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.

1-3 credit hours each semester.

MANAGEMENT

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.

MGT210  Operational Excellence  
*Fall Semester (beginning Fall 2012)*
This course discusses how lean methodologies can eliminate waste. The focus of the course is on the practical application of tools to improve processes. Simulations will be used extensively. The course covers such topics as 5S, lean systems, point of use storage (POUS), and TQM. This course is intended for Business Administration associate degree students and is not a Management elective.

3 credit hours.

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 MGT150 with a grade 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. Prerequisites: 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. Prerequisites: Completion of ACC225, ECO201, MKT100, MGT150, and QBA265 or EGR305 with grades of 2.0 or higher.
3 credit hours.

MGT355  Business Process Management and Control  
*Fall Semester*
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 QBA260 or EGR305 with a grade of 2.0 or higher.
3 credit hours.

IBS361  Global Supply Chain Management and Design  
(See International Business Section)

MGT365  Purchasing Management  
This course encompasses the processes, common to all businesses, by which organizations are supplied with the goods and services, including utilities, capital equipment, supplies, ma-
termals, 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**
(See International Business Section)

**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.

**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. 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.
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

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 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 and Spring Semesters  
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. Prerequisite: 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 chal-
lenges 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 with a grade 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. Prerequisites: 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 E-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  
(See International Business Section)

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.

MKT410  Marketing Ethics  
*Fall and Spring Semesters*

This course is designed to get students to consider the wide range of ethical decisions that face the marketing professional. This course will include but is not limited to investigations of ethical issues in pricing, selling, advertising, distribution, product design, packaging, and in dealings with suppliers. Special attention will also be placed on covering how ethical codes can be developed and how ethical behavior can be encouraged among employees. Prerequisite: Completion of MKT100 and at least one Marketing elective with grades of 2.0 or higher.

3 credit hours.

MKT450  Marketing Research  
*Fall-Spring Semesters*

This course covers managerial uses of marketing research in formulating marketing strategy; includes determination of situations requiring research, appraisal of alternative research methods and evaluation of studies, including theoretical concepts in research methodology. Prerequisites: Completion of MKT210 and QBA260 with grades of 2.0 or higher and senior standing.

3 credit hours.

MKT475  Marketing Policies and Strategies  
*Fall-Spring Semesters*

This course is designed to be the last marketing course taken by Marketing majors. It involves the study of the administrative process and analysis utilized by chief executives to formulate marketing policy and make strategic and tactical decisions under conditions of uncertainty. Prerequisites: Completion of MKT210 and QBA265 with grades of 2.0 or higher and senior standing. This is a writing/communications-intensive course.

3 credit hours.

MKT490, MKT491  Marketing Internship  
*Fall-Spring Semesters*

This course involves 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.
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 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-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 credit 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. Placement is based on MSAT score and high school math background.  
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.

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 Center for Teaching and Learning Math Coordinator, students will actively engage in tutoring each week. Students will spend a minimum of two hours each week in the tutoring, completing coursework, observing, or meeting/planning with the 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.

MAT215  The Structure of Sets and Numbers II  
*Fall-Spring Semesters*  
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.

MAT230  Exploring Math with Computer  
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.  
*Note: This course is eliminated after Fall 2011.*
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  
*Fall-Spring Semesters*  
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 I  
*Fall-Spring Semesters*  
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. Prerequisite: MAT172 with a grade of 2.0 or higher.

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.

MAT291  Applied Mathematics for Chemists and Mathematicians  
*Fall Semester*  
This course will cover theory, techniques, and applications in the following areas: line integrals, surface integrals, iterated integrals, geometric and Fourier series, Fourier transforms, partial differential equations, scalars and vectors, matrices and determinants, eigenvalues, numerical methods. It will typically be team-taught by mathematics faculty members, and will include guest lectures by chemistry professors. Prerequisite: MAT172 with a grade of 2.0 or higher.

3 credit hours.

MAT320  Number Theory  
*Fall Semester, even-numbered years*  
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 induction to prove theorems. Prerequisite: MAT280 with a grade of 2.0 or higher.

3 credit hours.

MAT340  Introduction to Geometry  
*Offered as needed, usually on a tutorial basis*  
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: SE255. This course does not satisfy the core Mathematics requirement.

1 credit hour.

MAT360  Linear Algebra II  
*Fall Semester, even-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. Prerequisite: MAT260 with a grade of 2.0 or higher.

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 MAT280, 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.

MAT390  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.

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, even-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  Mathematics Seminar
Spring Semester, odd-numbered years
The 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. Prerequisites: MAT260, MAT271, and MAT280 all with a grade of 2.0 or higher.

3 credit hours.

MAT496, MAT497  Reading and Research in Mathematics
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

Voice MUS101-102; MUS201-202; MUS301-302; MUS401-402
Piano MUS103-104; MUS203-204; MUS303-304; MUS403-404
Organ MUS105-106; MUS205-206; MUS305-306; MUS405-406
Harpsichord MUS107; MUS207; MUS307; MUS407
Violin MUS108-109; MUS208-209; MUS308-309; MUS408-409
Viola MUS110-111; MUS210-211; MUS310-311; MUS410-411
Cello MUS112-113; MUS212-213; MUS312-313; MUS412-413
Double Bass MUS114-115; MUS214-215; MUS314-315; MUS414-415
Trumpet MUS116-117; MUS216-217; MUS316-317; MUS416-417
French Horn MUS118-119; MUS218-219; MUS318-319; MUS418-419
Trombone MUS120-121; MUS220-221; MUS320-321; MUS420-421
Baritone MUS122-123; MUS222-223; MUS322-323; MUS422-423
Tuba MUS124-125; MUS224-225; MUS324-325; MUS424-425
Flute MUS126-127; MUS226-227; MUS326-327; MUS426-427
Clarinet MUS128-129; MUS228-229; MUS328-329; MUS428-429
Saxophone MUS130-131; MUS230-231; MUS330-331; MUS430-431
Oboe MUS132-133; MUS232-233; MUS332-333; MUS432-433
Bassoon MUS134-135; MUS234-235; MUS334-335; MUS434-435
Percussion MUS136-137; MUS236-237; MUS336-337; MUS436-437
Guitar MUS138-139; MUS238-239; MUS338-339; MUS438-439
Improvisation MUS142-143; MUS242-243; MUS342-343; MUS442-443
Composition MUS340-341; MUS440-441

PERFORMANCE COURSES

MUS140-141; MUS240-241 Piano Class
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 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.

MUS158-159; MUS258-259; MUS358-359; MUS458-459  Women’s Ensemble  
Fall and Spring Semesters  
The York College Women’s Ensemble is a vocal ensemble open to all college women. While some singing experience is expected, it is not required. The ensemble is dedicated to the study and performance of treble choral literature from many traditions and style 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. Acceptance by audition.

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 in 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 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 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 trained 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
Music Theater and 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. 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. Pre-requisite: 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 stylesetters. 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.

MUS291  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.

MUS292  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 selfstudy 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, French, 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.

MUS292 String Methods
*Fall Semester*
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*
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*
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*
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 a method for learning how to pronounce words in a foreign language, and instructing members of a choir how to sing in those languages.

1 credit hour.

MUS392 Teaching Music in the Elementary School
*Fall Semester*
This course is an introduction to music education (history, philosophy, and learning theories) and the application of music methodologies from grades K-5. Appropriate materials and technology are examined through participation in peer-teaching experiences. This course is only for Music Education majors who have achieved Pre-Professional Educator Status through the Education Department.

3 credit hours.

MUS393 Teaching Music in the Secondary School
*Spring Semester*
This course is a review of music education philosophies and learning theories and a presentation of methods and materials for instrumental, choral, and general music programs at the secondary level. Prerequisites: MUS392 and PPES Status.

3 credit hours.
NUCLEAR MEDICINE TECHNOLOGY

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.
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, BIO222, BIO230, NUR201, NUR202. Corequisites: NUR304. Spring Prerequisites: Common Core, PSY100, SOC100, BIO150, CHM122, BIO220, BIO230, NUR201, NUR202.

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 (or corequisite), BIO150, BIO220/222, and BIO230.

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 the foundation. Prerequisites: NUR210 (or corequisite), 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 require 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.
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 dynamic 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.

OBD385/PSY363 Industrial and Organizational Psychology
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, PSY270, PSY271, PSY243, or permission of the instructor.

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 for clear and critical thinking. 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
Environmental Ethics is the study of our relationship with the various systems of Earth and our obligations to take actions which sustain those systems. The course draws on philosophical, literary, and scientific literature in order to understand how to fulfill our obligations. Possible topics include the examination of foundational texts of environmentalism, energy and resource usage, animal rights, vegetarianism, and eco-terrorism.

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  Professional Ethics
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 whistleblowing. 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,
Philosophy 473

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.

PHL380-89  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 individu-
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.

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 followed 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)
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 re-
quirements and student request. Prerequisite: PE120 Beginning Swimming or demonstration of equivalent skills.

1 credit hour.

**PE124 Lifeguard Training (Coed)**
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. Prerequisite: PE120 Beginning Swimming or demonstration of equivalent swimming skills.

2 credit hours.

**PE125 Skin/Scuba Diving (Coed)**
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. Prerequisite: Passing of Skin and Scuba entrance examination or completion of PE121 or PE122.

1 credit hour.

**PE126 Water Safety Instructor (Coed)**
An instructor’s course in swimming, diving, water safety, and infant preschool 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. Prerequisite: PE120 Beginning Swimming or equivalent swimming skills.

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.

PE154  Ice Skating (Coed)
The instruction in this individual sport emphasizes basic skills technique, equipment care, 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.

PE166 Intro to Indoor Rock Climbing (Coed)
This is a beginning course that will focus on indoor climbing movement and technique that will enhance the physical strength, flexibility and mental focus of the student. Safe belaying, the figure 8 knot, and climbing terminology will also be covered. (This course will not meet outside. Belayer certification is not required, but encouraged.)

0.5 credit hour.

PE170 Core Conditioning (Coed)
Core conditioning is a key component of physical fitness and encompasses exercise programs targeting the muscle groups (abdominal, oblique, gluteal, back, and hip) that stabilize the spine, pelvis and shoulders providing a solid foundation for movement. This course will focus on a variety of methods and incorporate equipment to strengthen and tone the core muscles of the body. Participants will actively engage in a program based on their current level of fitness and learn proper training techniques by using various pieces of equipment such as medicine balls, kettlebells, stability balls, balance training equipment such as Bosu, resistance bands and dumbbells.

1 credit hour.

PHYSICAL SCIENCE

PSC102 Science and Sustainability
This foundation sustainability course is designed for non-science majors. Topics from the natural sciences are discussed within a contextual framework of social issues and ecosystems. Sustainability is a global issue that requires a global analysis. Specific locations around planet Earth are explored in order to connect science with significant social, political, ethical, and economic issues in the region. Students assess the momentous challenge and urgency of addressing sustainability in order to provide a habitable world for future generations. The laboratory includes field trips and experiments.

2 hours lecture.
1 three-hour laboratory period (PSC103).
3 credit hours.
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.

**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. Prerequisites: High school algebra and trigonometry or equivalent.  
4 credit hours.  
3 lecture hours.  
3 laboratory hours. Satisfies ADR III.

PHY160  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  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. Prerequisites: PHY160, MAT172.  
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. Prerequisites: MAT271 and PHY160.  
4 credit hours.  
3 lecture hours.  
3 laboratory hours. Satisfies ADR III.

PHYSICAL SCIENCE

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.

POLITICAL SCIENCE

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.

PS242  State and Local Government 
A study of the structure and functions of the major types of state, county, and city governments, regional authorities, and metropolitan areas. Special attention will be given to the government of the state of Pennsylvania and to the unique problems of contemporary urban politics.  
3 credit hours. Satisfies ADR II.

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 
This course offers a comprehensive introduction to the government and politics of the East Asia: China, the two Koreas, and Japan. Topics will include the rise of China and Japan, the North Korean nuclear issue, territorial disputes, the question of Korean unification, and the future of a U.S. security presence in the region.  
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 ideological 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.

PS248 Government and Politics of the Caribbean
The Caribbean provides a unique laboratory to compare political regimes. It includes parliamentary democracies, communist dictatorships, American possessions and French departments. The first half of the class introduces common trends such as colonial experience, slavery, plantation economies, the importance of trade, the reality of harsh meteorological conditions and the policies designed to attracting tourists and their hard currencies, and their consequences. The second half studies the politics of specific countries, i.e., Cuba, Puerto Rico and Haiti. The class includes the communities of Caribbean immigrants in the U.S. and how they impact their home countries as well as the U.S.
3 credit hours. Satisfies ADR V.

PS250 Government 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.
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PS303 American Foreign Policy
This course provides an introduction to U.S. foreign policy; it will explore the conduct of U.S. relations with other countries in the world. Topics will include the rise of America, U.S. foreign policy during and after the Cold War and the complex issues facing the U.S. in the post-Cold War era. Emphasis will be on American foreign policy toward different geopolitical regions. Fundamental American values in foreign policy will be examined, as well as a broad range of perspectives of leading scholars.

3 credit hours. Satisfies ADR II.

PS304 American-East Asian Relations
This course is to introduce American-East Asian relations from the 19th century to the present. During the Cold War, East Asia experienced intense competition and conflict between the superpowers. In the post-Cold War era, the region has been an engine of the global economy, while undergoing a major shift in the balance of power whose trajectory and outcome remain uncertain. This course strives to catch this momentum by examining the sources of conflict and cooperation in both the pre- and post-Cold War periods and by assessing competing explanations for key events in U.S.-East Asian relations.

3 credit hours.

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 (League of Nations, 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: PS302 or instructor’s approval.

3 credit hours. Satisfies ADR II.

PS307 International Law
This course is 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), 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.
PS317 Principles of Law
This course is a study 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.

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.

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.

3 credit hours. Satisfies ADR II.

PS371/HIS371 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 HIS371.

3 credit hours. Satisfies ADR II.

PS372/HIS372 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 HIS372.

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 stu-
dent 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.

PS407 Health Law and Policy
This course offers a comprehensive study of health law and policy. It provides analysis of the framework of healthcare policy and regulations. Topics include quality measurement and improvement, affordability and access, public health insurance programs, the credentialing of health care professionals, patients’ rights and medical confidentiality, the role of public health and bioethics, and the scope of administrative and legal issues in health care.

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.

PS471-480 Selected Topics in Political Science
Various topics examining current theoretical or practical issues in contemporary politics and/or political science. Examples of possible topics: the postmodern situation, politics and religion, the end of ideology, feminist politics, politics and the arts, the First Amendment, etc.

3 credit hours. Satisfies ADR II.

PS473 Social Movements Around the World
This class studies the goals, strategies and accomplishments of social movements around the world. Through the in-depth study of social movements in different regions the class explores how they organize to promote or to prevent social change. Case studies include, among others: Black Nationalism in South Africa, poor women organizations in Chile, gay rights in the U.S., the struggle of aboriginal groups in Australia, and the transnational movement against globalization. The class provides theoretical and historical background as well as analytical tools to better grasp the nature, scope and impact of current social movements in Africa, Latin America, Australia and the U.S.

3 credit hours.

PS479, PS480, H477, H478 European Union
This course is designed to provide students with the opportunity to study the institutions and decisionmaking processes of the European Union (EU) 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 policymaking 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 participate in weekly Emergency Medicine Grand Rounds held at York Hospital, under the supervision of a local emergency medicine 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.

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: 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: 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—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
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. Prerequisite: PSY100 or BIO110 or BIO112 or BIO150.

3 credit hours.

PSY215  Sustainability and Psychology
This course will explore the contributions that psychology has made and can make to creating a sustainable world. Whereas technology and policy can address problems of sustainability, our focus will be primarily upon human causes and consequences of environmental problems, and individual and community solutions. We will examine the primary areas of psychology, including cognitive, social, developmental, and personality for their applications to sustainability. Assignments allow students to explore their own attitudes and values regarding sustainability and to enact behavior change experiments to experience and reflect upon factors involved in behavior change.

3 credit hours. Satisfies ADR II.

PSY221  Child and Adolescent Development
This course for non-majors 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. Students may use either this course or PSY223 to satisfy the psychology minor, but not both.

3 credit hours. Satisfies ADR II.

PSY222  Adult Development
This course for non-majors 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 major requirements or Psychology electives. Psychology majors must enroll in PSY321.

3 credit hours.

PSY 223  Early Childhood Development
This course provides an understanding and appreciation for the interrelated growth process of development from infancy through early childhood. Emphasis is placed on growth areas including the physical, cognitive, social, moral and emotional. The course will focus on research-based findings and will explore the areas and theories of constructivism, Vygotsky’s Socio-cultural Theory, attachment and social relationships, the importance of play, variations in development, the needs of the young child and developmentally appropriate practices. Prerequisite: PSY100. Course satisfies Pre K-4 Education requirements, but NOT Psychology major requirements or Psychology electives.

3 credit hours.

PSY224  Young Adolescent Development
This course will examine the major concepts and theories associated with young adolescent development. Emphasis will be placed on the physical, cognitive, and psychosocial development of adolescents during grades 4-8 and the implications that differences in these areas have for teaching and learning. The context within which these developmental tasks occur will also be considered, including the impact of school, family, peer, and broader cultural influences. Prerequisite: PSY100. Course satisfies 4-8 Middle Level Education requirements, but NOT Psychology major requirements or Psychology electives.

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 diag-
noses 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 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.

PSY250 Multicultural Awareness
In this course, students will critically examine their beliefs and their relevant behaviors regarding race, gender, sexual orientation, socioeconomic status, religion, age, and ability. Students will explore the research on the psychological processes that underlie bias, stereotyping, and discrimination, as well as explore the psychological consequences which can result. Knowledge gained in this course can be applied to enhance students’ personal relationships and to increase their effectiveness in professions that deal with a culturally diverse public.

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 is designed to provide students with a broad understanding of major topics and theories relevant to the psychological as-
pects 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. Prerequisite: 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. Prerequisites: 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 scientific research. Prerequisite: Grade of 2.0 or higher in 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  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 or permission of instructor.

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  
*Fall and Spring Semesters*
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.

QBA310 Management Science
Management Science is the application of mathematical modeling techniques to routine business situations requiring management evaluation and subsequent policy recommendations. Topics covered include linear, integer and goal programming; transportation and assignment models; decision analysis; and project evaluation and review technique. Oral presentations, written reports, and the use of management science computer software package required. Prerequisite: Completion of MAT120 and QBA260 or equivalents with grades of 2.0 or higher.

3 credit hours.

QBA315 Research Methods in Business
Fall-Spring Semesters
This course will facilitate the development of general organizational and business-related problem-solving and decision-making skills in environments such as for profit, non-profit, and public organizations. Emphasis will be placed upon the study of various business applications such as productivity outcomes, quality measure, customer service assessment, employee satisfaction assessment, organizational behavior assessment, experimental applications, and others. Prerequisite: Completion of MGT150 and QBA265 with grades of 2.0 or higher.

3 credit hours.

RADIOGRAPHY

These courses are taken through WellSpan by students that have been admitted to clinical (junior/senior) years in the Radiography major.

RAD310 Radiography Theorum I
This course covers the basic concepts of radiography including procedure overview, x-ray production and characteristics, equipment, exposure factors, image quality, radiation units, biological effects and safety. There is also emphasis on physics concepts, matter, and electromagnetic energy. The clinical theory portion introduces students to patient care, professionalism, patient safety, infection control, assessment, medication administration, acute care, exam preparation, contrast media, bedside radiography, and special imaging modalities.

6 credit hours.

RAD320 Radiography Practicum I
This course is designed to introduce the beginning student to the profession of radiologic technology and to provide the clinical aspect of Radiography Theory I. Practicum is clinical education through a JRCERT-accredited radiology program. Students learn by observing, assisting, and performing under the direct guidance of program faculty and radiography staff. Students must complete clinical competencies, ancillary tasks, patient care skills, and clinical objectives throughout the semester in the following procedures: radiologic position of the thorax, abdomen, shoulder girdle, pelvis, upper and lower extremities.

6 credit hours.

RAD330 Radiography Theorum II
This course continues to build on the knowledge gained in Radiography Theorum I. The topics include radiographic anatomy of the digestive system, urinary and circulatory systems, computed tomography (CT) exam preparation, patient positioning, and image analysis. This course is designed to continue building on the basic skills needed to give quality patient care and professionalism while performing general radiographic exams.

6 credit hours.

RAD340 Radiography Practicum II
This course is the clinical aspect of and is taken concurrently with RAD330. Students learn by observing, assisting, and performing under the direct and/
or indirect guidance of program faculty and radiography staff. The course topics will include computed tomography (CT) of the brain, thorax, abdomen, and pelvis; image analysis standards including effective image critique for technical, procedural, and pathological factors; and radiographic procedures of the boney thorax, vertebral column, digestive studies, urinary studies, mobile and surgical radiography, cerebral cranium, visceral cranium, and specialty fluoroscopy.

6 credit hours.

RAD350  Radiography Theorum III
This course is designed to build on the knowledge gained in RAD310-RAD340. Topics covered in this course include critique of images of the chest, abdomen, upper and lower extremity, pelvis, shoulder, boney thorax, and vertebral column. In addition, the student will present a pathological report based on a disease process diagnosed and/or followed by way of radiologic imaging.

6 credit hours.

RAD360  Radiography Practicum III
This continues to build on the information learned in RAD310-RAD340. Students must complete more complicated clinical competencies, ancillary tasks, patient care skills, and clinical objectives especially in the areas of portable exams, trauma exams, fluoroscopy and computed tomography (CT) under the tutelage of certified technologists. This course is designed to sequentially develop, apply, critically analyze, integrate, synthesize, and evaluate concepts and theories of radiography.

6 credit hours.

RAD410  Radiography Theorum IV
This course continues to build upon the concepts learned in RAD310-RAD350. The course topics covered include radiobiology and radiation protection, film-screen imaging and processing, imaging equipment, and digital image acquisition. This course is also designed to introduce the student to advanced skills needed to give quality patient care while performing general radiographic exams. Advanced procedures include: adaptation considerations to specific clinical settings, positioning the cranium, vertebral column, shoulder, thorax, and thoracic viscera, lower and upper extremities.

6 credit hours.

RAD420  Radiography Practicum IV
This course will be taken concurrently with Radiography Theorum IV (RAD410) and is the clinical aspect of RAD410. Students will begin clinical competencies in pediatrics, portable and trauma exams, computed tomography, fluoroscopy, and surgical exams. The student will perform in clinical settings requiring advanced procedural knowledge and adaptations. Advanced procedures include procedural adaptations to specific clinical settings, positioning the cranium, vertebral column, shoulder, thorax and thoracic viscera, lower and upper extremities, fluoroscopy, and advanced patient care skills.

6 credit hours.

RAD430  Radiography Theorum V
This course is designed to be the pinnacle to the Radiography course sequence. This course teaches the student to perform advanced skills needed to give quality patient care while performing general radiographic exams. The course topics include advanced radiographic procedures and pathological conditions, digital radiography and PACS, computed radiography, imaging plate, and cassette image acquisition. In addition, the student will complete a registry review course for preparation to take the American Registry of Radiologic Technologist national exam to become a registered radiologic technologist.

5 credit hours.

RAD440  Radiography Practicum V
This course will be taken concurrently with Radiography Theorum V (RAD430) and is the clinical aspect of RAD430. RAD440 is a continuation of RAD420, and the students must complete clinical competencies in pediatrics, portable and trauma exams, computed tomography, fluoroscopy, and surgical exams. The student will perform in clinical settings requiring advanced procedural knowledge and adaptations. Advanced procedures include procedural adaptations to specific clinical settings, positioning the cranium, vertebral column, shoulder, thorax and thoracic viscera, lower and upper extremities, fluoroscopy and advanced patient care skills.

6 credit hours.
RECREATION AND LEISURE ADMINISTRATION

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.

REC200  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 and REC103, or by permission of the instructor.  
3 credit hours.

REC210/211  Recreation Programming  
*Fall Semester*  
Focuses on developing, planning, and implementing programs for a variety of leisure and recreation agencies and 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. This course includes a programming lab which consists of a significant experiential component. Prerequisites: REC101 and REC103. Corequisites: REC211 Recreation Programming Lab.  
4 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, and REC210/211, and overall GPA of 2.0, 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 REC210/211, 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 REC210/211.  
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, REC200, and REC210/211.  
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 REC210/211.  
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, the course 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, REC200, and REC210/211, or by permission of the instructor.  
3 credit hours.

**REC365 Medical Conditions and the Impact on Therapeutic Recreation**  
*Spring Semester*  
This course will provide students practice-based knowledge of medical conditions through the lifespan and the implications of the conditions in relation to therapeutic recreation. Medical terminology, assessment tools, interventions/modalities and programming are covered in relation to the different conditions. Students will gain knowledge and practical experience in utilizing the appropriate modalities and interventions for specific conditions. Prerequisites: REC100, REC103, and REC200.  
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, and REC210/211, 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, REC200, and REC210/211, 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 lifestyles of the elderly. Prerequisites: REC101, REC103, REC200, and REC210/211, 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, REC200, and REC210/211.  
3 credit hours.
REC450  Recreation Administration
Spring Semester
This course will study the organizational patterns and administrative problems involved in operating various leisure service agencies: forms of organization, planning, budget, personnel, liability, public relations, and evaluation. Required for 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, REC200, REC210/211, and REC221, and should be scheduled for the last spring semester of the student’s program prior to graduation. Corequisite: REC491. This course may be taken either before or after the Directed Field Experience.

3 credit hours.

REC460, REC461  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, REC200, REC210/211, REC221, REC331, REC343, REC400, PSY100, SOC100, and overall GPA of 2.0, or by permission of the instructor.

9-12 credit hours.

REC470, REC471  Directed Field Experience in Therapeutic Recreation and Leisure
Fall-Spring-Summer Semesters
These courses are designed to provide on-the-job experiences in application of principles and techniques in Therapeutic 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 Therapeutic 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, REC200, REC210/211, REC221, REC331, REC343, REC400, PSY100, SOC100, and overall GPA of 2.0, or by permission of the instructor.

9-12 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, REC200, REC210/211, and REC221, and should be scheduled for the last spring semester of the student’s program prior to graduation. Corequisite: REC450. 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.
RESPIRATORY CARE

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.
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.
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.
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.
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 measurements, 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.

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 (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, 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 acidbase 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.
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.

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. Prerequisite: SOC100.
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-functionalism, 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. Prerequisite: SOC100.  
3 credit hours.

SOC336  Research Methodology II and Statistics  
*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. Prerequisite: SOC100.  
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 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.

SOC473/HIS473  Social Movements in the World  
*Spring, even-numbered years*

This class studies the goals, strategies and accomplishments of social movements around the world. Through the in-depth study of social movements in different regions the class explores how they organize to promote or to prevent social change. Case studies include, among others: Black Nationalism in South Africa, poor women organizations in Chile, gay rights in the United States, the struggle of aboriginal groups in Australia and the transnational movement against globalization. The class provides theoretical and historical background as well as analytical tools to better grasp the nature, scope and impact of current social movements in Africa, Latin America, Australia and the U.S.

3 credit hours.

SOC495, SOC496  Sociology 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 make academic work more meaningful. Prerequisites: GPA of 2.5 or higher and 60 credit hours. Students must meet the College requirements for all internships.

3 credit hours.

SOC498, SOC499  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. Prerequisite: SOC100.

1-3 credit hours each semester.
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 and SPM201.

1 credit hour.

SPM110-111 Sport Management Practicum  
*Fall-Spring Semesters*
This is an experiential course in which the entry-level sport management major takes part in practical athletic event management tasks and engages in focused reflection through academic work to construct the knowledge, skills and values needed by professionals in the sport management industry. The assigned athletic event management tasks are predominantly completed on-campus.

0.5 credit hour.

SPM112-113 Sport Management Practicum  
*Fall-Spring Semesters*
This is an experiential course that allows the mid-level sport management major to build on the competencies developed in SPM 110-111 through experience in hands-on supervisory and leadership positions and focused reflection through academic work. Students may have the opportunities available in the course are designed for students to develop more advanced knowledge, skills, and values held by professionals in the sport management industry. The practical work for this course is predominately completed 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 PE134 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 personnel decisions, financial issues, and computer applications in sport. 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; SPM330 with a grade of 2.0 or higher; course must be taken one or two semesters before SPM480.

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; senior status in Sport Management.

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; senior status in Sport Management major.

3 credit hours.

SPM480  Work Experience in Sport Management
Fall-Spring-Summer Semesters
This capstone experiential learning course for senior Sport Management majors enables the student to utilize theories and applied practice learned throughout the Sport Management program’s curriculum in a culminating internship. 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; Senior status in Sport Management major. Corequisite: SPM475.

9 credit hours.

SUSTAINABILITY AND ENVIRONMENTAL STUDIES

PSC102  Science and Sustainability
This foundation sustainability course is designed for non-science majors. Topics from the natural sciences are discussed within a contextual framework of social issues and ecosystems. Sustainability is a global issue that requires a global analysis. Specific locations around planet Earth are explored in order to connect science with significant social, political, ethical, and economic issues in the region. Students assess the momentous challenge and urgency of addressing sustainability in order to provide a habitable world for future generations. The laboratory includes field trips and experiments.

3 credit hours. Satisfies ADR III.
2 hours lecture.
1 three-hour laboratory period (PSC103).

CHM102  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.

3 credit hours. Satisfies ADR III.
2 class periods.
1 three-hour laboratory period (CHM203).

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 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.

3 credit hours. Satisfies ADR III.
2 hours lecture.
1 three-hour laboratory (BIO207).

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.

3 credit hours. Satisfies ADR III.
2 hours lecture.
Lab consists of field trips/TBA (BIO211).
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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.

3 credit hours. Satisfies ADR III.
2 hours lecture.
1 three-hour laboratory (BIO213).

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 interactions (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.

4 credit hours.
3 hours lecture.
1 three-hour laboratory (BIO301).

G361 Introduction to Geographic Information Systems
Introduces students to the process of using geographically registered data to analyze patterns and processes on the earth’s surface. The analysis integrates database operations and computer generated maps so as to provide information for the explanation of events, the prediction of outcomes, and strategic planning with application in a wide variety of disciplines such as business, history, government, biology, criminal justice, and public health. Fulfills an elective requirement for Information Systems majors.

3 credit hours.

PSY215 Sustainability and Psychology
This course will explore the contributions that psychology has made and can make to the creation of a sustainable world. Whereas technology and policy can address problems of sustainability, the course’s focus will be primarily upon human causes and consequences of environmental problems, and individual and community solutions. The course will examine the primary areas of psychology, including cognitive, social, developmental, and personality for their applications to sustainability. Assignments allow student to explore their own attitudes and values regarding sustainability and to enact behavior change experiments to experience and reflect upon factors involved in behavior change.

3 credit hours. Satisfies ADR II.

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.

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.

HIS387 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. 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.
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 V.

G352  Geographical Perspectives on Sustainability
Fall Semester
This course will examine issues of sustainability at a variety of scales (from local to global) relating to the geographies of resources and resource extraction, production, distribution, consumption, and the disposal of commodities. The class will focus on the relationships between humans and their environments and approach environmental problems by examining the demographic, cultural, and economic processes which have increased resource consumption and waste.
3 credit hours. Satisfies ADR II.

SES381, SES382  Independent Study in Sustainability and Environmental Studies
An SES independent study offers students an opportunity to undertake a well-defined research project in one of the fields of sustainability and environmental studies. Students conduct their work under the guidance of a faculty member of their own choosing, and 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. Prerequisites of 60 credit hours completed with a minimum overall GPA of 2.5 and PSC102 or permission of the instructor is required.

SES491, SES492  Internship in Sustainability and Environmental Studies
An SES internship requires that students engage in supervised academic study through participation in an applied setting. The internship is designed to introduce students to the broad range of sustainability and environmental studies opportunities available in public or private agencies within the community. Prerequisite of 60 credit hours completed with a minimum overall GPA of 2.5 is needed.

THE205  Text Performance
Fall-Spring Semesters
This course includes analyses, performance readings, and critical responses to poetry, prose, and drama.
3 credit hours.

THE220  Theatre Construction
Fall Semester, odd-numbered years
This course is an introduction to the basic practices of scenic construction. Students will learn the safe and appropriate 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.

THE211  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.

THE222  Costume Construction
This course is an introduction to the fundamentals of costume technology and the development of the basic skills needed to create costumes for all theatre genres. The course provides an introduction to Costume Shop techniques and procedures. Through assigned projects, students learn basic machine and hand-sewing techniques, pattern development, fabric identification and selection, and all aspects of
costume building from rendering to finished project. The content provides an overview of related subjects such as millinery, costume props, and accessories.

3 credit hours.

THE240 Dance History I
Dance History I 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 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.

THE254 Introduction to Theatre
*Fall-Spring Semesters*
An introduction to the origin and development of theatre. Students acquire familiarity with the skills of playwriting, producing, directing, acting, designing, and critical appreciation.

3 credit hours. Satisfies ADR I.

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.

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.

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
This course involves 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/LIT360 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/LIT361 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.

THE370 Avant-Garde Theatre
In this course, students experiment with non-traditional styles of drama and performance. The first half of the course focuses on examining manifestoes, performance texts, and art work from Surrealism, DaDa, Constructivism, and Symbolist avant-garde movements. The second half of the course is devoted to devising performance pieces. Students combine music, technology, movement, sound, and light to create new wave avant-garde texts.

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/LIT410 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/LIT415 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; 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.

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/HIS391  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/HIS390  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 help students understand 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. Prerequisite: 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. Prerequisite: 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 with out 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.
WRITING

WRT100  Introduction to College Reading and Writing
Fall Semester
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 settings. Students will create professional documents (letters, memos, reports, cover letter/resumé, 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
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 the fine arts. 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.

WRT272  Introduction to 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. Satisfies ADR I.

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 experienced 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 Center for Teaching and Learning. 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 figures such as 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.

WRT 312  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 and word levels, including guided practice in a range of rhetorical figures and tropes. Prerequisite: WRT202.

3 credit hours.

WRT320  Digital Writing: Theory and Practice
This course introduces students to the history of digital culture and examines current scholarship on technology and rhetoric. Students will use a variety of tools and platforms to explore what it means to write “digitally,” including the composition of image, sound, motion, video, as well as text. The application of these tools will require writers to develop a rhetorical awareness to choose those best suited for different projects and audiences. In addition, this course will provide a workshop for practicing strategies for using digital writing tools effectively and persuasively. Prerequisite: WRT210.

3 credit hours.

WRT321  Document Design: Theory and Practice
This course will give students both the theoretical, rhetorical knowledge and the practical, visual design tools to work as a successful document designer in industry. Students will research, plan, and produce several smaller design projects and one larger, final project that, together, will form an important contribution to their professional writing portfolio. Students will also have the opportunity to review and revise much of their work in this course. As is the case with writing, revision is also integral to document and visual design practices. Prerequisite: WRT210.

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). Prerequisite 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 script writing or nonfiction prose. This course may be repeated for different topics. Prerequisite: WRT102.

3 credit hours.

WRT372 Poetry Writing
This course is an introduction to poetry writing, focusing on the appreciation, composition, and reading of poetry. Students will experiment with form and structure, as well as write in standard poetic forms. Course work will include public readings of original work, presentation on the work of other poets, and a final poetry chapbook. Prerequisite: WRT272.

3 credit hours.

WRT373 Creative Nonfiction
This course gives students guided practice in the increasingly popular genres of nonfiction writing, including essays, creative nonfiction, and journalistic feature stories. Readings will include a variety of print and Internet sources that reflect the current state of nonfiction prose. Students will be asked to assemble a portfolio of essays, accompanied by brief abstracts and self-critical responses. Prerequisite: WRT272.

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 Literary Publishing
This course explores the world of contemporary literary publishing. Students work as writers, editors, and publishers on such tasks as manuscript submission, editing, document design, digital publishing, and marketing. This course will also look at the history of book and periodical publishing. Students will participate in the production of The York Review, the student literary magazine. Prerequisite: WRT272.

3 credit hours.

WRT382 Fiction Writing
This course is an introduction to fiction writing. Students will study a variety of fictional techniques and produce original works of short fiction. The majority of class will be devoted to the exploration of original student fiction using the workshop method, where students provide copies of their own fiction for guided classroom discussion. Readings will include con-
temporary fiction and essays on fiction writing craft. All students will turn in a portfolio of original fiction at the end of the semester. Prerequisite: WRT272.

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 two 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 hand-on experience in the teaching and tutoring of writing through the Peer Writing Fellows program of the Center for Teaching and Learning (CTL), 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 CTL. Prerequisites: WRT102, WRT202, WRT290, status as peer fellow in the CTL 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.
Rosters

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Ph.D., American University
<table>
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<tr>
<th>Name</th>
<th>Position</th>
<th>Year</th>
<th>Institution Name</th>
<th>Degree(s)</th>
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<tbody>
<tr>
<td>Frank Lindenmuth</td>
<td>Lecturer in Sociology</td>
<td>1976</td>
<td>B.A., Elizabethtown College</td>
<td>M.S.W., Ph.D., University of Maryland</td>
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<tr>
<td>Candy Lint-Kessler</td>
<td>Lecturer in Biology</td>
<td>2007</td>
<td>B.S., Lock Haven University</td>
<td>M.S., University of Tennessee</td>
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<td>Harold J. Lintner</td>
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<tr>
<td>Dorothy Livaditis</td>
<td>Lecturer in Business Law</td>
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<tr>
<td>Laura Logan</td>
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<td>1990</td>
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<td>M.A., Millersville University</td>
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<td>Emilie M. Lonardi</td>
<td>Lecturer in Education</td>
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<td>B.S., West Chester State College</td>
<td>M.S., Indiana University</td>
</tr>
<tr>
<td>Steven Loser</td>
<td>Lecturer in Mathematics</td>
<td>2009</td>
<td>B.A., Lebanon Valley College</td>
<td>M.B.A., Loyola College of Maryland</td>
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<td>M.A., George Washington University</td>
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<td>Jason Lowe</td>
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<td>B.A., University of Pittsburgh</td>
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<tr>
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</tr>
<tr>
<td>Mary Loyer</td>
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<td>Susan Luchka</td>
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</tr>
<tr>
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</tr>
<tr>
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<tr>
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<tr>
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<tr>
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<thead>
<tr>
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<th>Position</th>
<th>Dates</th>
<th>Education</th>
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</table>
| Steven L. Schmidt     | Lecturer in Political Science | 2004     | B.A., The Pennsylvania State University  
M.S., Villanova University |
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Ruth Frick, AS, RRT
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Michael Green, MD
Deb Greenwalt, RRT
Ray Groff, RRT
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Lisa Vogel-Smolin, RN, MS
Lashaya Walker, RN, BSN
Julie Ward, RN, BSN
Stacey Warfel, RN, BSN
Tina Waters, BSN, RN
Katelyn Welsh, RN
Carol Wilkins, BS, RN
Joyce Wood, RN
Alice Zepp, RN, BS
John Zerfing, RN, BSN, OCN
College Calendars

Fall Semester 2011 – 2012

August 26  Friday  Fall Orientation for New Students begins
August 29  Monday  Evening Classes begin including 1st cohort classes
August 30  Tuesday  Day Classes begin including 1st cohort classes
September 5  Monday  Labor Day – No Classes
September 7  Wednesday  Last day to drop or add classes for the semester including 1st cohort classes and special studies
September 13  Tuesday  Last day to elect Pass/Fail option in stated courses including 1st cohort classes
September 15  Thursday  Last day to apply for Winter Graduation
September 19-21  Mon-Wed  Warning grades issued to students for 1st cohort classes
September 23  Friday  Last day to withdraw from 1st cohort classes
September 30-October 2  Fri-Sun  Fall Fest (Family and Homecoming Weekend)
October 8-14  Sat-Fri  Warning Grades issued to students for full semester classes
October 14  Friday  Fall Break begins 5:00 p.m.
October 19  Wednesday  Classes Resume 8:00 a.m.
October 20-24  Thurs-Mon  Final Examinations for 1st cohort classes
October 24  Monday  Last day of 1st cohort classes
October 25  Tuesday  First day of 2nd cohort classes
October 27  Thursday  Last day to drop or add classes and to elect Pass/Fail for 2nd cohort classes
October 28  Friday  Last day to withdraw from full semester classes or from the College for the semester
November 9-11  Wed-Fri  Warning grades issued to students for 2nd cohort classes
November 15  Tuesday  Last day to withdraw from 2nd cohort classes
November 22  Tuesday  Thanksgiving Vacation begins 10:00 p.m.
November 28  Monday  Classes Resume 8:00 a.m.
December 13  Tuesday  Last day of full semester and 2nd cohort day classes for the semester
December 14  Wednesday  Reading Day - No classes
December 15-20  Wed-Mon  Final Examinations for WEDNESDAY EVENING classes including 2nd cohort classes
December 21  Tuesday  Winter Commencement 10:30 a.m.

Incomplete course grade change deadline: for the fall semester - February 21, 2012

Spring Semester 2011 – 2012

January 17  Tuesday  January Orientation for new students begins
January 18  Wednesday  Day and Evening Classes begin including 1st cohort classes
January 25  Wednesday  Last day to drop or add classes for the semester including 1st cohort classes and special studies
January 31  Tuesday  Last day to elect Pass/Fail option in stated courses including 1st cohort classes
February 6  Monday  Last day to apply for Spring Graduation
February 6-8  Mon-Wed  Warning grades issued to students for 1st cohort classes
February 10  Friday  Last day to withdraw from 1st cohort classes
February 25  Saturday  Winter Vacation begins 2:00 p.m.
March 5  Monday  Classes Resume 8:00 a.m.
March 5-10  Mon-Sat  Warning Grades issued to students for full semester classes
March 9-13  Fri-Tues  Final Examinations for 1st cohort classes
March 13  Tuesday  Last day of 1st cohort classes
March 14  Wednesday  First day of 2nd cohort classes
March 16  Friday  Last day to drop or add classes and to elect Pass/Fail for 2nd cohort classes
March 23  Friday  Last day to withdraw from full semester classes or from the college for the semester
March 30-April 3  Fri-Tues  Warning grades issued to students for 2nd cohort classes
April 3  Tuesday  Last day to withdraw from 2nd cohort classes
April 4  Wednesday  Spring Vacation begins 10:00 p.m.
April 10  Tuesday  Classes Resume 8:00 a.m.
May 3  Thursday  Last day of full semester and 2nd cohort classes for the semester
May 4  Friday  Reading Day – No Classes
May 5-10  Sat-Thurs  Final Examinations for full semester and 2nd cohort classes
May 12  Saturday  Spring Commencement 10:30 a.m.

Incomplete course grade change deadline: for the spring semester - July 12, 2012.

Undergraduate Summer Programs 2012

The undergraduate summer program consists of several separate sessions offered throughout the summer. The specific dates will be printed in the Summer 2012 brochure or may be obtained from the Registrar’s Office.

Graduate Summer Programs 2012

The graduate programs offer courses during the summer. The specific dates will be printed in the Summer 2012 brochure or may be obtained from the Registrar’s Office.
### College Calendars

#### Fall Semester 2012 – 2013

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<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 24</td>
<td>Friday</td>
<td>Fall Orientation for New Students begins</td>
</tr>
<tr>
<td>August 27</td>
<td>Monday</td>
<td>Evening Classes begin including 1st cohort classes</td>
</tr>
<tr>
<td>August 28</td>
<td>Tuesday</td>
<td>Day Classes begin including 1st cohort classes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Late Registration Fee applies</td>
</tr>
<tr>
<td>September 3</td>
<td>Monday</td>
<td>Labor Day –No Classes</td>
</tr>
<tr>
<td>September 5</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 11</td>
<td>Tuesday</td>
<td>Last day to drop or add classes for the semester including 1st cohort classes</td>
</tr>
<tr>
<td>October 5-7</td>
<td>Fri-Sun</td>
<td>Fall Fest (Family and Homecoming Weekend)</td>
</tr>
<tr>
<td>October 6-12</td>
<td>Sat-Fri</td>
<td>Warning Grades issued to students for full semester classes</td>
</tr>
<tr>
<td>October 12</td>
<td>Friday</td>
<td>Fall Break begins 5:00 p.m.</td>
</tr>
<tr>
<td>October 17</td>
<td>Wednesday</td>
<td>Classes Resume 8:00 a.m.</td>
</tr>
<tr>
<td>October 18-22</td>
<td>Thurs-Mon</td>
<td>Final Examinations for 1st cohort classes</td>
</tr>
<tr>
<td>October 22</td>
<td>Monday</td>
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<tr>
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<td>October 26</td>
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<tr>
<td>November 7-9</td>
<td>Wed-Fri</td>
<td>Warning grades issued to students for 2nd cohort classes</td>
</tr>
<tr>
<td>November 13</td>
<td>Tuesday</td>
<td>Last day to withdraw from 2nd cohort classes</td>
</tr>
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<td>November 20</td>
<td>Tuesday</td>
<td>Thanksgiving Vacation begins 10:00 p.m.</td>
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<td>November 26</td>
<td>Monday</td>
<td>Classes Resume 8:00 a.m.</td>
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<tr>
<td>December 11</td>
<td>Tuesday</td>
<td>Last day of full semester and 2nd cohort day classes for the semester</td>
</tr>
<tr>
<td>December 12</td>
<td>Wednesday</td>
<td>Reading Day – No Classes</td>
</tr>
<tr>
<td>December 13-18</td>
<td>Thurs-Tues</td>
<td>Final Examinations for WEDNESDAY EVENING classes including 2nd cohort classes</td>
</tr>
<tr>
<td>December 19</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 19, 2013.

#### Spring Semester 2012 – 2013

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
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<tbody>
<tr>
<td>January 22</td>
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<td>February 11-13</td>
<td>Mon-Wed</td>
<td>Last day to apply for Spring Graduation</td>
</tr>
<tr>
<td>February 15</td>
<td>Friday</td>
<td>Warning grades issued to students for 1st cohort classes</td>
</tr>
<tr>
<td>March 2</td>
<td>Saturday</td>
<td>Winter Vacation begins 2:00 p.m.</td>
</tr>
<tr>
<td>March 11</td>
<td>Monday</td>
<td>Classes Resume 8:00 a.m.</td>
</tr>
<tr>
<td>March 11-16</td>
<td>Mon-Sat</td>
<td>Warning Grades issued to students for full semester classes</td>
</tr>
<tr>
<td>March 15-19</td>
<td>Fri-Tues</td>
<td>Final Examinations for 1st cohort classes</td>
</tr>
<tr>
<td>March 19</td>
<td>Tuesday</td>
<td>Last day of 1st cohort classes</td>
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<td>March 20</td>
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<td>April 5-9</td>
<td>Fri-Tues</td>
<td>Warning grades issued to students for 2nd cohort classes</td>
</tr>
<tr>
<td>April 9</td>
<td>Tuesday</td>
<td>Last day to withdraw from 2nd cohort classes</td>
</tr>
<tr>
<td>May 9</td>
<td>Thursday</td>
<td>Last day of full semester and 2nd cohort classes for the semester</td>
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<tr>
<td>May 10</td>
<td>Friday</td>
<td>Reading Day –No Classes</td>
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<td>Sat-Thurs</td>
<td>Final Examinations for full semester and 2nd cohort classes</td>
</tr>
<tr>
<td>May 18</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 18, 2013.

#### Undergraduate Summer Programs 2013

The undergraduate summer program consists of several separate sessions offered throughout the summer. The specific dates will be printed in the Summer 2013 brochure or may be obtained from the Registrar’s Office.

#### Graduate Summer Programs 2013

The graduate programs offer courses during the summer. The specific dates will be printed in the Summer 2013 brochure or may be obtained from the Registrar’s Office.
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