

Courses

Undergraduate Courses

Accounting (AC)

AC-161 Financial Accounting

In this introductory course, we will introduce students to accounting principles and procedures, and to the processes by which financial transactions are recorded, classified, and analyzed to help business decision-makers. Students will learn to prepare and interpret financial statements. 3 credits

AC-162 Managerial Accounting

An introduction to the use of accounting information by managers. Topics include the use of accounting information for planning and control, performance evaluation, decision-making, and the statement of cash flows, as well as financial statement analysis. P: AC 161. 3 credits

AC-251 Special Topics

Selected topic studied in-depth within a Business frame of reference. 3 credits

AC-261 Intermediate Accounting I

Provides an intensive study of accounting theory as it relates to the measurement of assets, liabilities, and capital structure. Students will prepare and analyze detailed financial statements. P: AC 161, AC 162. 3 credits

AC-262 Intermediate Accounting II

Provides an intensive study of accounting theory as it relates to the measurement of assets, liabilities, and capital structure. Students will prepare and analyze detailed financial statements. P: AC 261. 3 credits

AC-263 Cost Accounting

In this course, we examine the theory and practice of cost accounting techniques and show how they are used in manufacturing businesses. Topics include job order, process costing, standard cost systems, and variance analysis. P: AC 161, AC 162. 3 credits

AC-361 Federal Income Taxation for Individuals

In this course, we study the theory and procedures of the Federal Income Tax System. Emphasis is placed on individual taxation using a forms-based approach. P: AC 162. 3 credits

AC-362 Auditing

This course examines auditing concepts and procedures employed by public accountants for summarizing and analyzing the records and operations of business organizations. Students will use working papers and software programs to examine and evaluate transactions. P: AC 262. Writing Intensive Designation: Major. 3 credits

AC-363 Advanced Accounting I

This course will cover the following advanced financial accounting topics: consolidated financial statements for corporations, entries for transactions denominated in foreign currencies, adjustments for market value changes in financial instruments, and accounting for partnerships. P: AC 262 and senior status or permission from the Program Director. 3 credits

AC-365 Advanced Cost Accounting

This course will cover the following advanced cost accounting topics: strategic cost management, activity-based management, tactical decision making, absorption and variable costing, responsibility accounting, decentralization, lean accounting, transfer pricing, capital budgeting, and international cost management. P: AC 263. 3 credits

AC-380 Accounting Internship

This is a field-based course in which students gain on-site employment experience in a local accounting firm or accounting department of a business establishment for 120 contact hours per 3 credits. The student is responsible for maintaining an integrative journal and completing other academic requirements. P: 12 credits in accounting. 3-12 credits

AC-390 Independent Study

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

AC-394 Accounting Theory in Practice

This course will provide an opportunity to apply the knowledge and skills learned in previous courses in solving real world case problems. Students will complete a critical analysis of accounting, finance, and ethics problems. Through case studies, students will enhance their problem-solving skills by formulating solutions to problems that are encountered in accounting environments. 3 credits

AC-395 Accounting Capstone

This course is designed to provide students the opportunity to utilize software programs currently being used in the industry. The course will be interactive with students working on the computer solving accounting problems. Accounting techniques learned in previous classes will be completed with a variety of software programs, including general ledger, audit, and tax packages, as well as Microsoft Excel. P: Senior status. 3 credits

Applied Data Science (DAT)

DAT-010 Introduction to Applied Data Analytics

This course is an introduction to data science and analytics as well as the application of statistical techniques using R statistics, with a particular focus on problems in the biomedical sciences. The course will use probability models and statistical methods of analyzing data with the object of formulating statistical models and choosing appropriate methods for inference from experimental and observational data and for testing the model's validity. Non-credit course

DAT-020 Survey of Bioinformatics: Programming and Prediction

This course will introduce students to bioinformatics analysis and basic programming. Designed for those with little or no prior programming experience, advanced programmers can still learn bioinformatics pipelines and software packages to conduct research. Students will gain hands-on experience working with bioinformatics software, R packages, and functions designed for bioinformatics applications. The course will focus on mass spectrometry-based proteomics, DNA and RNA sequencing, genotyping, protein microarrays and mass spectrometry-based metabolomics. Students will use an open-data science toolchain to develop reproducible data analyses useful for inference, modeling and prediction of the behavior of complex systems. Non-credit course

DAT-030 Applied Data Science Research Capstone

This is a project-based applied data science (ADS) research class, in which project teams identify a research project under the guidance of a domain expert professor. The research is structured as a data analysis project including the 6 steps of developing a reproducible data science project, including: (1) define the ADS question, (2) identify, locate, and/or generate the data (3) exploratory data analysis, (4) statistical modeling and prediction, (5) synthesizing the results in the domain context, and (6) creation of reproducible research, including code, datasets, documentation, and reports. Non-credit course

DAT-111 Introduction to Applied Data Analytics

This course is an introduction to data science and analytics as well as the application of statistical techniques using R statistics, with a particular focus on problems in the biomedical sciences. The course will use probability models and statistical methods of analyzing data with the object of formulating statistical models and choosing appropriate

methods for inference from experimental and observational data and for testing the model's validity. 3 credits

DAT-213 Survey of Bioinformatics: Programming and Prediction

This course will introduce students to bioinformatics analysis and basic programming. Designed for those with little or no prior programming experience, advanced programmers can still learn bioinformatics pipelines and software packages to conduct research. Students will gain hands-on experience working with bioinformatics software, R packages, and functions designed for bioinformatics applications. The course will focus on mass spectrometry-based proteomics, DNA and RNA sequencing, genotyping, protein microarrays and mass spectrometry-based metabolomics. Students will use an open-data science toolchain to develop reproducible data analyses useful for inference, modeling and prediction of the behavior of complex systems. P: DAT 111. 3 credits

DAT-391 Applied Data Science Research Capstone

This is a project-based applied data science (ADS) research class, in which project teams identify a research project under the guidance of a domain expert professor. The research is structured as a data analysis project including the 6 steps of developing a reproducible data science project, including: (1) define the ADS question, (2) identify, locate, and/or generate the data (3) exploratory data analysis, (4) statistical modeling and prediction, (5) synthesizing the results in the domain context, and (6) creation of reproducible research, including code, datasets, documentation, and reports. P: DAT 111, DAT 213. 3 credits

Art (AR)

AR-111 Drawing I

An introduction to observational drawing. Development of a personal vision and an individual style through an exploration of the expressive means of drawing: form, line, texture, composition. Various tools and techniques. General Education: Fine Arts. 3 credits

AR-113 Three-Dimensional Design

Provides an analytical approach to design elements and principles with an emphasis on spatial organization and three-dimensional forms using a variety of materials and techniques. This course investigates numerous approaches to understanding the visual world. General Education: Fine Arts. 3 credits

AR-114 Graphic Design I

An introduction to page layout and design as it relates to constructed documents including books, posters, and brochures. Provides an overview of the field of commercial art including advertising, web design, and art direction. 3 credits

AR-122 Two-Dimensional Design

An introduction to the elements of two-dimensional design and study of visual language principles used to organize the plane. Projects are geared to solving visual "problems" with an eye toward elegant and economical solutions. This course will be conducted using the computer as the primary tool and investigating numerous approaches to understanding the visual world. General Education: Fine Arts. 3 credits

AR-201 Introduction to Computer Art

An introduction to imaging using windows based tools. The course explores digital bit mapped and vector systems to create two-dimensional works for paper and the web. General Education: Fine Arts. 3 credits

AR-211 Drawing II

A continuation of AR 111 with an emphasis on development of a personal style and drawing as communication and expression. P: AR 111. 3 credits

AR-212 Figure Drawing

Figure Drawing is an advanced drawing course. Students enrolled should already have developed a competency in the technical aspects of observational drawing. This course is an introduction to the skills and concepts associated with drawing the nude and clothed human form through creative studio and homework projects. P: AR 111. 3 credits

AR-213 Color

This course includes projects analyzing the physical and psychological aspects of color in painting and design with emphasis on theories of color interaction. General Education: Fine Arts. 3 credits

AR-214 Graphic Design II

A continuation of AR 114 with a focus on typography, layout, and design for commercial publication. Type specification, production techniques, and digital design tools will be surveyed. The course culminates with a portfolio of publication-ready design. P: AR 114. 3 credits

AR-216 Arts and Entrepreneurship

This course introduces students to a variety for students in creative fields within their individual practices, providing business skills, tools, and resources to enable future achievement of their creative goals with an emphasis on professional practice. This course will focus on creating new, self-driven opportunities for creative production. General Education: Fine Arts. 3 credits

AR-231 Introduction to Ceramics

Study of the formal elements of shape, volume, color, and texture as they relate to clay and glazes; important historical and contemporary examples; techniques in handling clay, especially hand-building. 3 credits

AR-232 Ceramics II

A continuation of AR 231 with more emphasis on various ways of finishing, glazing, and firing hand built as well as wheel thrown clay. P: AR 231. 3 credits

AR-235 Introduction to Photography I

Introduces students to the fine art and craft of photography and photographic printmaking. Instruction in camera and darkroom techniques leads to a portfolio with emphasis on visual thinking and photographic seeing. 3 credits

AR-236 Photography II

A continuation of AR 235, Photography II develops a personal approach to photography and solving formal and technical problems. P: AR 235. 3 credits

AR-239 Digital Video & Audio I

A continuation of AR/CO 139, this course provides support for students to develop and complete an intermediate project using digital video and audio tools. Students will carry individual projects through pre-production, production, post-production and distribution. Students will further be required to assist with the productions of their peers. P: AR 139 or CO 139. 3 credits

AR-252 Special Topics

Selected topic studied in-depth within an Art frame of reference. 3 credits

AR-255 Special Topics

Selected topic studied in-depth within an Art frame of reference. 3 credits

AR-311 Painting I

An introduction to various techniques and approaches to painting with acrylic and/or oils. Regular critiques, gallery visits. P: AR 111, AR 213 or permission of Department Chair. 3 credits

AR-312 Painting II

An advanced course in painting. Students will develop their personal style through an in-depth approach toward technical and conceptual problems. P: AR 311. 3 credits

AR-313 Advanced Painting III

This course provides the student with the opportunity to explore advanced technical and conceptual work in painting. It allows the student to create one or two thematically linked bodies of work which will be accompanied by supporting research, a written proposal and an Artist's Statement. Students are mentored in the development of an "interview ready" portfolio/binder and other career preparation materials. P: AR 311, AR 312. 3 credits

AR-314 Advanced Graphic Design I

Introduction to design for the World Wide Web. Students will create a professional portfolio site for themselves and take it live to the web with their own domain name. P: AR 214. 3 credits

AR-315 Advanced Graphic Design II

A semester in company identity and package design. Design to meet the strategic needs of corporate branding and packaging. P: AR 314. 3 credits

AR-331 Advanced Ceramics I

An opportunity for further work at advanced levels in the medium. P: AR 231, AR 232. 3 credits

AR-332 Advanced Ceramics II

An opportunity for further work at advanced levels in the medium. P: AR 231, AR 232, AR 331. 3 credits

AR-335 Digital Photography I

An exploration of photographic color, light, and design using digital tools. Coursework includes scanning into digital image from conventional film. Adobe Photoshop software is utilized to manipulate, edit, collage, and combine digital images. 3 credits

AR-336 Digital Photography II

An opportunity to explore advanced coursework in digital photographic editing. Students will pursue a defined project throughout the semester. P: AR 335. 3 credits

AR-337 Advanced Photography I

An opportunity for motivated students to pursue more advanced work in still photography including color and large format work. P: AR 235, AR 236. 3 credits

AR-338 Advanced Photography II

An opportunity for motivated students to pursue more advanced work in still photography including color and large format work. P: AR 235, AR 236, AR 337. 3 credits

AR-339 Digital Video & Audio II

A continuation of AR/CO 239, this course provides support for students to develop and complete an advanced project using digital video and/or audio tools. Students will carry individual projects through pre-production, production, post-production and distribution. Students will further be required to assist with the productions of their peers. P: AR 239 or CO 239. 3 credits

AR-355 Special Topics

Selected topic studied in-depth within an Art frame of reference. 3 credits

AR-356 3D Modelling and Animation I

Students will explore 3D techniques such as modeling, motion, transformation, lighting, and texturing in the creation of original assets, virtual worlds, and animations. Students will strengthen their individual artistic voice while creating assets for either time-based or interactive creative works. P: AR 113. 3 credits.

AR-357 3D Modelling & Animation II

A continuation of AR 356, 3D Modelling & Animation II provides an opportunity for students to pursue a singular time-based project or, if taken in conjunction with AR 360 or 361, develop original assets for an interactive project. Students will more deeply research and develop their abilities with 3D character design, environmental design, virtual lighting, model rigging, and animation. P: AR 356. 3 credits

AR-360 Digital Game Development I

Digital Game Development I builds upon the foundations of the introduction course and gives the student the opportunity, time, resources, and faculty support to build individual games from conception to playable prototype. P: AR 218. 3 credits

AR-361 Digital Game Development II

A continuation of AR 360, Game Development II allows the student to complete a more finished version of their work from that previous class. Game Development II will further offer a foundation in distributing platforms and marketing practices. P: AR 218, AR 360. 3 credits

AR-380 Art Practicum

Program of supervised practical experience in museum, gallery, art, or advertising studio related to the student's course of study in art. P: Permission of Department Chair. 2-12 credits

AR-381 Internship: Art Management

This is a field based course in which students gain on site experience working in the Art and/or Art Management field for 120 contact hours per 3 credits. The student is

responsible for maintaining an integrative journal and completing other academic requirements. A student may repeat this course only once, and the second internship must be at a different location. P: Junior or Senior standing. 3 to 12 credits

AR-390 Special Problems in Art

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

AR-391 Senior Project

Includes discussion of current writings on art and art criticism, and a studio project or research paper. Exhibition required of seniors concentrating in studio art; lecture or project required of those concentrating in the history of art. P: Open to Senior Art majors. 3 credits

Art History (AH)

AH-143 Evolution of Art: Ideas and Practice

This is an art history survey course which encourages active learning through creative studio projects, research, collaborative discussion and problem solving. The course will examine a selection of major visual art forms in various cultures and time periods ranging from the ancient to the contemporary. General Education: Fine Arts. 3 credits

AH-217 Creation: Telling the Story, Shaping the World

This course will examine the human impulse to make sense of the world by becoming a creator. This impulse spans from cave painting and other early art, through stories of myths and heroes, and into contemporary art and mural-making. The course not only provides historical context for creative expression but also requires students to create their own visual and narrative art in conversation with that history. General Education Pathway: Creation & Destruction - Humanities. 3 credits

AH-230 Art History Survey I

A survey of painting, sculpture, and architecture of the Western World from prehistory to the Late Gothic. This course investigates aesthetic and technical developments in art and architecture and their relationship to the social, political, and cultural growth of Western civilization. It is designed to introduce students to new perspectives through the visual language of art history (Prehistoric, Ancient Egyptian, Greek, Roman, Medieval, and

Islamic influences on the development of Romanesque and Gothic). General Education: Fine Arts. 3 credits

AH-231 Art History Survey II

A continuation of Art History I, the survey of Western painting, sculpture, and architecture from the 14th century Renaissance to 19th century Neo-Classicism (Renaissance, Baroque, Rococo, Romanticism, Neoclassicism). General Education: Fine Arts. 3 credits

AH-231W History of Art II

A continuation of Art History I, the survey of Western painting, sculpture, and architecture from the 14th century Renaissance to 19th century Neo-Classicism (Renaissance, Baroque, Rococo, Romanticism, Neoclassicism). General Education: Fine Arts. 3 credits

AH-331 The Museum Experience

This course provides students with the opportunity to learn art history through the unique lens of travel, exploration, and firsthand experience of original artworks. Through visits to area museums and galleries, students will explore various art movements and styles, and the historical and cultural contexts that shaped them. Throughout the course, students will develop their critical thinking and writing skills, as well as their ability to interpret and analyze works of art. Writing Intensive Designation: Major. 3 credits

AH-351 Special Topics

Selected topic studied in-depth within an Art History frame of reference. 3 credits

AH-351W Special Topics

Selected topic studied in-depth within an Art History frame of reference. 3 credits

AH-380 Art History Practicum

Program of supervised practical experience in museum, gallery, or arts administration related to the student's course of study in art history. P: Permission of Department Chair. 2-12 credits

AH-390 Special Problems in Art History

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and

culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

Art Management (AM)

AM-111 Introduction to Art Management

Through this course, students will gain an understanding of the theory and practice of art management in nonprofit and for-profit organizations. 3 credits

AM-129 Art Space Management

This course is designed for students to study and to discover how spaces are managed as facilitators of the promotion of art to the community. 3 credits

AM-351 Museum and Curatorial Studies

This course introduces students to the cultural role of museums and galleries, deepening their understanding of the intellectual and practical tasks of curating exhibitions and maintaining collections. Recent scholarship on the origins and functions of the museum will be studied. This course is ideal for students interested in careers in art-related fields, such as studio art, art history, arts management, and art education. 3 credits

AM-380 Art Management Internship

Program of supervised practical experience in arts management in a field related to the student's course of study. P: AM 111 and AM 315W. 3 credits

Biology (BI)

BI-111 General Biology I

The goal of this course is to familiarize the student with fundamental principles which govern all organisms. Topics introduced include biological themes illustrated throughout the semester, cell structure and physiology, Darwinian evolution, and genetics. To be taken in conjunction with BI 111L. General Education: Science. 3 credits

BI-111L General Biology I Laboratory

BI 111L uses a series of laboratory exercises designed to provide hands-on experience in addressing various biological principles and to introduce the scientific method of experimental design. To be taken in conjunction with BI 111. 3 hours. 1 credit

BI-112 General Biology II

This course is a continuation of General Biology I with a comparative approach to various organ systems. What is an animal? What are the various modes of nutrition? What evolutionary steps have organisms made to become more efficient at surviving? What organ systems have they exploited? Their physiology, maintenance of homeostasis

and the relationships the organ systems have to each other will be explored. To be taken in conjunction with BI 112L. P: Minimum grade of C- in BI 111. 3 credits

BI-112L General Biology II Laboratory

BI 112L explores the anatomy and physiology of selected organisms through dissection-based activities. To be taken in conjunction with BI 112. P: Minimum grade of C- in BI 111, BI 111L. 3 hours. 1 credit

BI-116 The Human Body

A non-majors course designed to provide a fundamental background in human biology and to serve as a basic introduction to the anatomy and physiology of humans. Emphasis is placed on examining the functions of various systems and their relationships to each other. Hands-on activities may be offered during the course giving the student a chance to experience the wonders of the human body for themselves. General Education: Science. 3 credits

BI-206 Human Anatomy & Physiology I

Part one of a two-course sequence that explores the structure and function of the human body. Topics include a detailed analysis of the components and functions of the primary tissues and the integumentary, skeletal, muscular, and nervous systems. To be taken in conjunction with BI 206L. 3 credits

BI-206L Human Anatomy & Physiology I Laboratory

Laboratory periods involve hands-on coverage and analyses of the structures and functions of the primary tissues and the integumentary, skeletal, muscular, and nervous systems. To be taken in conjunction with BI 206. 3 hours. 1 credit

BI-207 Human Anatomy & Physiology II

Part two of a two-course sequence that explores the structure and function of the human body. Topics include the structures and functions of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, immune, and reproductive systems. To be taken in conjunction with BI 207L. P: Minimum grade of C- in BI 206. 3 credits

BI-207L Human Anatomy & Physiology II Laboratory

Laboratory periods involve hands-on coverage and analyses of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, immune, and reproductive systems. To be taken in conjunction with BI 207. P: Minimum grade of C- in BI 206, BI 206L. 3 hours. 1 credit

BI-215 Microbiology

This introductory-level course concentrates on fundamental functional and structural characteristics of microscopic organisms, bacteria, viruses, and lower eukaryotic species

comprising the fungi, protozoa, and algae. Categorical features related to morphology, genetics, and metabolic processes will be studied. The course also highlights the importance of these groups of organisms as causative agents of infectious diseases and as powerful genetic tools in research. To be taken in conjunction with BI 215L. P: Minimum grade of C- in BI 111, BI 112. 3 credits

BI-215L Microbiology Laboratory

Students gain experience in basic laboratory techniques that demonstrate the isolation and culturing of microbes, morphological traits of select microorganisms, and the exchange of genetic material between microbial cells. Biochemical assays that differentiate metabolic functions and enzymatic activities of bacterial and fungal species are introduced. The course provides training in the formatting and detailing of laboratory reports that review the experimental exercises. To be taken in conjunction with BI 215. P: Minimum grade of C- in BI 111, BI 111L, BI 112, BI 112L. 3 hours. 1 credit

BI-216 Cell Biology

This course addresses life at the cellular level. Topics include the composition and physiology of major organelles, signal transduction, cancer, cell migration, and adhesion. To be taken in conjunction with BI 216L. P: Minimum grade of C- in BI 111, BI 112. 3 credits

BI-216L Cell Biology Laboratory

This course includes exercises employing methods commonly used in studying areas in cell biology. Laboratory techniques include DNA/protein electrophoresis, bacterial transformation, protein expression, and purification. To be taken in conjunction with BI 216. P: Minimum grade of C- in BI 111, BI 111L, BI 112, BI 112L. 3 hours. 1 credit

BI-310 Genetics

This course is designed to introduce the student to DNA and its roles in the forming of genes, heredity, and the variation of organisms. Mendelian genetics, fundamental molecular genetics, and the genetic basis of evolution are included as well. To be taken in conjunction with BI 310L. P: Minimum grade of C- in BI 111, BI 112. 3 credits

BI-310L Genetics Laboratory

Laboratory exercises include DNA/protein electrophoresis, polymerase chain reaction (PCR), restriction enzyme analysis and computer-based image analysis. To be taken in conjunction with BI 310. P: Minimum grade of C- in BI 111, BI 111L, BI 112, BI 112L. 3 hours. 1 credit

BI-317 Human Anatomy & Physiology II

Part two of a two course sequence that explores the structure and function of the human body. Topics include the structures and functions of the endocrine, cardiovascular,

lymphatic, respiratory, digestive, urinary, immune and reproductive systems. To be taken in conjunction with BI 317L. P: Minimum grade of C- in BI 316. 3 credits

BI-317L Human Anatomy & Physiology II Laboratory

Laboratory periods involve hands-on coverage and analyses of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, immune and reproductive systems. To be taken in conjunction with BI 317. P: Minimum grade of C- in BI 316, BI 316L. 3 hours. 1 credit

Business & Economics (BE)

BE-135 Business Communications

This course will equip students with essential written and verbal communication skills needed for a successful career in business. Students will learn how to effectively tackle common communication challenges, including clearly conveying messages in both written and oral forms, persuading hesitant audiences, maintaining audience engagement, delivering unfavorable news, and promoting themselves through resumes. Additionally, the course will explore how technology can support and enhance both internal and external business communications. 3 credits

BE-135W Business Communications

This course will equip students with essential written and verbal communication skills needed for a successful career in business. Students will learn how to effectively tackle common communication challenges, including clearly conveying messages in both written and oral forms, persuading hesitant audiences, maintaining audience engagement, delivering unfavorable news, and promoting themselves through resumes. Additionally, the course will explore how technology can support and enhance both internal and external business communications. 3 credits

BE-202 Statistics for Business and Economics

Students will be introduced to the basic principles of statistical analysis that are useful in effective business decision-making. Some topics covered include descriptive statistics, probability and random events, sampling, and estimation. P: MA 111, MA 116, MA 120 or MA 121. 3 credits

BE-204 Principles of Macroeconomics

Survey of introductory macroeconomics with a focus on economic growth, unemployment, and inflation. Topics covered include national income, fiscal policy, money, the banking system, and monetary policy. Balance of payments and currency exchange rate issues are analyzed. General Education Pathway: Politics, Philosophy, Economics - Experiential Learning. 3 credits

BE-204_24 Principles of Macroeconomics

Survey of introductory macroeconomics with a focus on economic growth, unemployment, and inflation. Topics covered include national income, fiscal policy, money, the banking system, and monetary policy. Balance of payments and currency exchange rate issues are analyzed. General Education: Social Science. 3 credits

BE-205 Principles of Microeconomics

Microeconomic concepts and tools will be utilized to evaluate the economic behavior of individuals. The "invisible" market forces (price mechanism) and external forces (social, cultural, political, and legal forces) will be explored and examined from personal perspectives as well as their aggregate effect on the economy. General Education: Social Science. 3 credits

BE-211 Intermediate Microeconomics

This course introduces microeconomic theory used in analysis of consumer and producer decisions, general equilibrium and welfare, market failure, game theory, insurance, contracts, and information. Emphasis will be on applications both in economics and in various other fields. P: BE 205 and MA 116, MA 120 or MA 121. 3 credits

BE-212 Intermediate Macroeconomics

This course explores issues such as growth, inflation, unemployment, interest rates, exchange rates, and budget deficits in closed and open-economy settings. The course will study how these issues are determined by the aggregate behavior of individuals in the short, medium, and long-run. P: BE 204 and MA 116, MA 120 or MA 121. 3 credits

BE-247 Healthcare Finance

This course will provide an introduction to healthcare finance and the current financial environment in which healthcare organizations function. The course will expand on basic financial accounting concepts, explore financial concepts unique to healthcare, and examine techniques that lead to improved cost-effectiveness in a variety of healthcare organizations. The perspectives of various interest groups will be discussed: providers, insurers, policy makers, patients and the general public. P: AC 161. 3 credits

BE-248 Business Modeling and Analysis

This course introduces the modern theory of entrepreneurship as a scientific method. Students learn formal business modeling and analysis methods, focused on the development of a financial and/or social impact model, and on the practice of business model validation. Each student builds and validates their own business idea in this course. P: AC 161, MG 131, MG 231. 3 credits

BE-251 Special Topics

Selected topic studied in-depth within a Business frame of reference. 3 credits

BE-334 Business Law

In this course, we study the basic legal principles that guide business relationships. Emphasis is placed on examination of the Uniform Commercial Code, contracts, sales, commercial paper, negotiable instruments, and business organizations. 3 credits

BE-334W Business Law

In this course, we study the basic legal principles that guide business relationships. Emphasis is placed on examination of the Uniform Commercial Code, contracts, sales, commercial paper, negotiable instruments, and business organizations. 3 credits

Chemistry (CH)

CH-121 General Chemistry I

A study of matter and atomic structure, measurements, mass-mole relationships, chemical nomenclature and composition, reaction stoichiometry, solution chemistry including acid-base, redox and precipitation reactions, the theory of gas laws, electronic structure and the Periodic table of elements, covalent bonding and related topics. To be taken in conjunction with CH 121L. P: Background in Mathematics equivalent to Algebra II. General Education: Science. 3 credits

CH-121L General Chemistry I Laboratory

General laboratory incorporating qualitative and quantitative techniques such as titrations, filtrations, basic statistics and graphing, mass-mole relationships, and chromatography will be included. To be taken in conjunction with CH 121. 3 hours. 1 credit

CH-122 General Chemistry II

A study of liquids, solids and intermolecular bonding, concentration units and colligative properties, thermochemistry, chemical kinetics, equilibrium in chemical systems, acid and bases, acid-base theory and equilibria studies (including buffers and titrations), precipitation equilibria, coordination compounds, spontaneity of reactions, electrochemistry, and nuclear reactions (time permitting). To be taken in conjunction with CH 122L. P: Minimum grade of C- in CH 121. 3 credits

CH-122L General Chemistry II Laboratory

Laboratory experiments include those related to empirical formulas and reaction stoichiometry. Others will be experiments utilizing basic analytical techniques: titrations, gravimetry, spectroscopy and electrochemistry. To be taken in conjunction with CH 122. P: Minimum grade of C- in CH 121, CH 121L. 3 hours. 1 credit

CH-207 Chemistry of Nutrition

The chemical basis of nutrition, grounded in basic chemical and biochemical concepts such as the structure and function of biomolecules important for nutrition and metabolic energy transformations. Fundamental related biological concepts such as digestion, photosynthesis, metabolism of carbohydrates, lipids and proteins, cellular respiration and fermentation are discussed. Current social and health issues such the relation of nutrition to diabetes and other diseases, food technology and fad dieting will be incorporated throughout the course. P: Minimum grade of C- in CH 121, CH 122. Writing Intensive Designation: Major. 3 credits

CH-221 Organic Chemistry I

This course focuses on fundamentals of structure and bonding in organic compounds. Study of the structure, properties, preparation, reactions, and reaction mechanisms of organic compounds including alkanes, alkenes, alkynes, alcohols, and alkyl halides. Includes stereochemistry of organic compounds; plus detailed examination of the mechanisms of free radicals and nucleophilic substitution reactions. To be taken in conjunction with CH 221L. P: Minimum grade of C- in CH 121, CH 121L, CH 122, CH 122L. Writing Intensive Designation: Major. 3 credits

CH-221L Organic Chemistry I Laboratory

Introduction to various organic laboratory techniques including distillation, reflux, extractions, recrystallization, chromatography, qualitative analysis, and laboratory safety (and related matters). Experiments include paper and thin-layer chromatography, elimination, nucleophilic substitution, and addition reactions. To be taken in conjunction with CH 221W. P: Minimum grade of C- in CH 121, CH 121L, CH 122, CH 122L. 3 hours. 1 credit

CH-222 Organic Chemistry II

Study of the structure, properties, preparation, and reactions of organic compounds including alkenes, arenes, organometallics, alcohols, ethers, aldehydes, ketones, carboxylic acids, amines, and various other derivative groups. Electrophilic aromatic substitution, Grignard, Fischer Esterification and other major organic reactions. Application of organic reactions using principles of retrosynthesis. Basic theory of spectroscopic methods NMR, UV-Vis, IR, and MS will be introduced and spectral interpretation of organic compounds emphasized. To be taken in conjunction with CH 222L. P: Minimum grade of C- in CH 221W, CH 221L. 3 credits

CH-222L Organic Chemistry II Laboratory

Experiments will incorporate spectroscopic analysis (NMR, UV, IR and MS) with synthesis and organic reaction experiments such as oxidation-reduction, esterification, saponification, and nucleophilic substitution reactions. To be taken in conjunction with CH 222. P: Minimum grade of C- in CH 221W, CH 221L. 3 hours. 1 credit

CH-231 General Organic Biochemistry

This course focuses on measurements, atomic and molecular structure, energy, gases, solutions, chemical quantities and reactions, acid and base chemistry, nuclear chemistry, an introduction to the different classes of organic compounds applicable to biochemistry and their reactions, the structure and function of biological molecules, and the metabolic pathways involved in energy production. To be taken in conjunction with CH 231L. 3 credits

CH-231L General Organic Biochemistry Laboratory

This course will be experimental work providing hands-on experience with concepts in fundamental chemistry. To be taken in conjunction with CH 231. 3 hours. 1 credit

CH-241 Introduction to Analytical Chemistry I

This course includes the analysis of data in analytical chemistry, basic statistics, stoichiometry, titrations, chemical equilibrium, acids, bases and buffers, gravimetry, complexometry, redox, and principles of spectrophotometry. Some experiments may be mini-projects. To be taken in conjunction with CH 241L. P: Minimum grade of C- in CH 222, CH 222L. 3 credits

CH-241L Introduction to Analytical Chemistry I Laboratory

Laboratory experiments will incorporate lecture material emphasizing data collection (and statistical analysis) and analytical techniques including titrations, gravimetry and spectrophotometry. To be taken in conjunction with CH 241. Some experiments may be mini-projects. P: Minimum grade of C- in CH 222, 222L. 3 hours. 1 credit

CH-242 Introduction to Analytical Chemistry II

Introduction to theory and use of modern chemical instrumentation techniques including titrations (acid-base, complexometric), spectroscopy (UV, IR, AAS), electrochemistry, chromatography (GC, HPLC), and other techniques. To be taken in conjunction with CH 242L. Some experiments may be mini-projects. P: Minimum grade of C- in CH 241, CH 241L. 3 credits

CH-242L Introduction to Analytical Chemistry II Laboratory

Laboratory experiments will incorporate lecture material including titrations, spectrophotometry, electrochemistry and chromatography. To be taken in conjunction with CH 242. P: Minimum grade of C- in CH 241, CH 241L. 3 hours. 1 credit

CH-321 Physical Chemistry I

A study of the theoretical principles underlying the areas of thermodynamics, statistical mechanics, chemical equilibrium, and properties of gases. To be taken in conjunction with CH 321L. Some experiments may be mini-projects. P: Minimum grade of C- in CH

241, CH 241L, CH 242, CH 242L, MA 122. SC 131, SC 132 are strongly recommended. 3 credits

CH-321L Physical Chemistry I Laboratory

Laboratory experiments will incorporate lecture material relating to equilibrium, gas laws, acid-base chemistry, thermochemistry and kinetics. To be taken in conjunction with CH 321. P: Minimum grade of C- in CH 241, CH 241L, CH 242, CH 242L, MA 122. SC 131, SC 132 are strongly recommended. 1 credit

CH-322 Physical Chemistry II

A study of the theoretical principles underlying the areas of phase equilibria, properties of mixtures, electrochemistry, kinetics, quantum chemistry, basic spectroscopy, macroscopic and microscopic structures. To be taken in conjunction with CH 322L. Some experiments may be mini-projects. P: Minimum grade of C- in CH 321, CH 321L. SC 131, SC 132 are strongly recommended. 3 credits

CH-322L Physical Chemistry II Laboratory

Laboratory experiments will incorporate lecture material relating to viscosity, equilibrium, kinetics, and electrochemistry. To be taken in conjunction with CH 322. P: CH 321, CH 321L. 1 credit

CH-324 Biochemistry

Study of the structure and function of complex macromolecules such as proteins, nucleic acids, lipids, and carbohydrates. Intermolecular interactions and regulatory mechanisms that control these interactions will be examined. Cellular metabolism and a quantitative analysis of certain biochemical reactions will also be covered. To be taken in conjunction with CH 324L. P: BI 112, BI 112L, CH 222, CH 222L. BI 216 is strongly recommended. 3 credits

CH-324L Biochemistry Laboratory

Laboratory experimental techniques in this laboratory course are aimed at developing skills in characterization of proteins. Techniques will include protein extraction, quantification proteins, purification and analysis using a combination of chromatographic, electrophoretic, and immunobiological methods. Students gain proficiency in operating equipment and instruments commonly found in a biochemical laboratory. To be taken in conjunction with CH 324. P: BI 112, BI 112L, CH 222, CH 222L. BI 216 is strongly recommended. 1 credit

College Course (CC)

CC-000 Placement Test

CC-101 Preparation for College Study

This course is recommended for any Accelerated Degree Program student who has not taken a college level course or any student who would like to enhance their skills in the areas of self-management, learning techniques, time management, using eLearning and MyAlbertus. An emphasis will be placed on methods for managing the unique challenges experienced by adult learners. 3 credits

CC-102 College Success Seminar

A course designed to introduce incoming traditional undergraduate students to the concept of a Liberal Arts education and to assist students in making a successful transition into the Albertus Magnus College community. Through discussion and reflection, this course will identify campus resources and strategies for success that will help students develop their academic and personal goals. Students will participate in activities both in and out of the classroom that will help prepare them to become lifelong learners and vibrant members of the Albertus Magnus community. Required for incoming traditional undergraduate, first-year students. 1 credit

CC-113 Transfer Professional Development Seminar

All traditional undergraduate students are required to develop an ePortfolio aligned with the benchmarks in core skills of the College's general education Insight Program. In this course, the transfer student will create an ePortfolio to demonstrate learning over time, reflect on personal strengths and weaknesses, practice responsible use of digital technologies, and prepare for meaningful careers. Required for all transfer students in their initial semester. 1 credit

CC-213 Professional Development Seminar

A course designed to support students in the midpoint of their academic experience through continued development of their general education ePortfolio in Handshake, as well as career exploration and preparation. Through selection and reflection upon academic and co-curricular work, students will identify personal strengths and weaknesses, practice responsible use of digital technologies, and prepare for meaningful careers. Required for all traditional undergraduate students with sophomore standing. 1 credit

CC-255 Special Topics

Selected topic studied. 1.5-3 credits

CC-260 Career, Internship and Job Strategies

This course introduces students to career development, internship, and the job search process. Students identify their short and long-term career goals through a comprehensive process of self-evaluation. Students gain a realistic assessment of their skills, values, interests, and life experiences and learn how to apply this information when making career decisions. Students develop skills related to career research, resume development,

social media marketing, letter writing, networking, interviewing, and job/internship/graduate school search methods. Students will also create a professional page in their ePortfolio related to their career development. This one-credit course is required of juniors in the general education program and must be taken as a prerequisite to participating in an internship or practicum. Open to traditional undergraduate juniors and seniors only. 1 credit

Communications (CO)

CO-121 Introduction to Mass Communication

Survey of basic content and structural elements of mass media and their functions and influences on society. Examines social, economic, political, and cultural changes from the perspective of mass communication theory and practice. General Education: Fine Arts. 3 credits

CO-125 Podcast Writing & Development

This course introduces students to the digital audio production process. The course will provide students the opportunity to plan, script, and produce short audio programs. Topics include: surveying the proper equipment for the production, arranging recording sessions, techniques for mixing, and editing sessions. 3 credits

CO-139 Introduction to Digital Video & Audio

This course focuses on concepts and techniques associated with digital video production with a focus on internet distribution. Topics include introductory video production and post-production principles, introductory animation principles, documentary best-practices, pre-production planning, and both on-location and studio production. Through a combination of planned location shoots, group projects, and individual creative production students will be exposed to principles and practices associated with both field and studio production. General Education: Fine Arts. 3 credits

CO-141 Public Speaking

A skills-based course focusing on the theory and practice of public speaking with emphasis on content, audience analysis, organization, language, delivery, critical evaluation of messages and listening skills. Emphasis is on student performance emphasizing original thinking, effective organization and direct communication of ideas. General Education: Fine Arts. 3 credits

CO-161 Human Communication

A study of communication principles and processes as they relate to interpersonal communication, intrapersonal communication, small group and team communication, culture and communication, communication in organizations, and mediated communication. Students engage in practical and ethical application of concepts to their professional and personal lives. 3 credits

CO-210 Creative Copywriting

This course will study core strategies for the commercial application of creative writing. Students will develop original copywriting skills, study their implementation, and analyze their effectiveness. 3 credits

CO-229 Introduction to Digital Communications

This course will provide students with a detailed critical introduction to the field of digital communications. Topics will include practical applications of digital communication across disciplines: communications studies, journalism, public relations, advertising, media and cinema studies, and communication technology. The class will offer students a glimpse of these disciplines and allow them to integrate them all together. Additionally, this course will provide an entry point for students who have had little experience with either digital technology or communication courses. 3 credits

CO-230 Interactive Marketing on Social Media

In this course, students will learn about key concepts, and strategies that make advertising on social media lucrative. From understanding the theories of digital media and advertising to creating a campaign from scratch while learning about strategic planning, audience analysis to content management/creation, this course will explore how modern marketing revolves around social media. Students will get the opportunity to apply course concepts, utilize the skills, and expand their professional portfolios by participating in a service learning project that will cover all the steps as that of an industry grade project, collaborating with and working on a local business. 3 credits

CO-239 Digital Video & Audio I

A continuation of AR/CO 139, this course provides support for students to develop and complete an intermediate project using digital video and audio tools. Students will carry individual projects through pre-production, production, post-production and distribution. Students will further be required to assist with the productions of their peers. P: AR 139 or CO 139. 3 credits

CO-255 Special Topics

Selected topic studied in-depth within a Communications frame of reference. 3 credits

CO-255W Special Topics

Selected topic studied in-depth within a Communications frame of reference. 3 credits

CO-261 Public Relations

This course focuses upon the informational and promotional roles that public relations plays in commercial and non-profit sectors. In addition to developing a student's writing skills, we will address employee communication, community relations, media relations, government relations, and social responsibility. Problem solving and PR expressive

skills are emphasized. Highly recommended for those students interested in corporate communications. 3 credits

CO-263 Social Media Storytelling

How do you tell a story in 280 characters or a series of pictures? This course will teach storyboarding for social media platforms, how to use text, pictures, and hashtags to create a story on social media. 3 credits

CO-267 Social Media Journalism

This course explicitly studies journalistic practice in a social media environment. Students will study contemporaneous new media works of journalism while developing, writing, disseminating and analyzing their own original factual content. 3 credits

CO-301 Organizational Communications

Bureaucracies and large-sized organizational structures abound in modern America. Frankly, there is no escaping this reality. Organizational Communications takes historical, structural and ethical perspectives in examining the nature and role of communications within the organizational framework. Direct attention will be given to applying these perspectives to the phenomenon of the modern sports industries, but comparative and contrasting attention will be given to large, midsize, and small businesses; and to those organizations that exist in the not-for-profit sector. Organizational Communications is highly recommended for all students interested in better understanding and affecting the dynamics involved in effective communications within any organizational framework. General Education: C. 3 credits

CO-326 The Creative Mind

What marks and makes a creative mind? What is the difference between talent and creativity? Have you explored your potential as a creative person? Can we solve contemporary problems without developing our creative self? These are some of the questions explored as we develop knowledge of our creative mind. 3 credits

CO-339 Digital Video & Audio II

A continuation of AR/CO 239, this course provides support for students to develop and complete an advanced project using digital video and/or audio tools. Students will carry individual projects through pre-production, production, post-production and distribution. Students will further be required to assist with the productions of their peers. P: AR 239 or CO 239. 3 credits

CO-341 Film Appreciation

As an introduction to the study of cinema, this course focuses upon the theories, principles, and expressive skills associated with film analysis. Through the examination of selected early film classics, major motion picture narratives, and film shorts, the student will learn to apply classical, auteur, and genre approaches to film criticism. The

student is expected to view movies outside of class meetings and to write several, short analytical reviews. The emphasis is upon "film literacy" and the ability to "read" a motion picture. 3 credits

CO-362 Persuasion

In this interactive course, students will learn the key theories, concepts, and strategies that define persuasive communication. Students will start from the basic theories of audience analysis and measuring attitudes and use them to craft and evaluate persuasive messages, especially for social media. Students will also get the opportunity to apply course concepts, utilize persuasive skills, and expand their professional portfolios by participating in a community-based campaign and experiential-learning project. General Education Pathway: Trauma Studies - Experiential Learning. 3 credits

CO-365 Writing for Interactive Media

Despite the changing media landscape, good writing skills are a necessity for professional communication. Students in this class use written modalities to create, develop, and hone a distinct, searchable written voice within varied media environments. Much of professional media work involves creating a consistent voice or presence for a person, organization, or company. In this course, participants focus on how to accomplish (or enhance) this process using effective compositional techniques. Writing Intensive Designation: Major. 3 credits

CO-375 Core Concepts in Critical Theory

This course introduces students to critical theoretical lens that they could apply to other courses in the pathway and in their major. Students start with essential critical theories including Marxist criticism, Feminist criticism, Queer theory, Standpoint theory, which leads them into culture industries of Adorno and Horkheimer, theories of ideology by Althusser, and Hall and Foucault's theories on language and power. This course will emphasize accessible readings and active learning components to help students engage with these works comprehensively. At the end of this course, students will be able to recognize how to apply the critical lens to their study and work in whatever field it may be. General Education Pathway: Power, Equity, Justice - Humanities. 3 credits

CO-380 Internship

Communications internships offer the opportunity for students to be placed at professional, media related sites in either the profit or not-for-profit sectors. These on-the-job experiences allow students to gain "real world" experience and skills while earning college credit. Internships require that the student complete 40 hours of site service for every credit received for the experience. 1-12 credits

CO-390 Independent Study

In this course, the student will, under the supervision of the program director, research and produce an integrative culminating project that draws together various aspects of

the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-3 credits

CO-391 Communications Capstone

In the Communications Capstone students develop a specialized project and portfolio focused on learning from their Communications courses in a comprehensive manner. The National Communication Association (NCA) standards of communication competence provide the grounding for the course. As part of the course, students are asked to demonstrate mastery or excellence in following NCA communication competencies: (1) communication theory and practice (ability to explain, synthesize, apply, and critique theories and concepts), (2) communication inquiry (ability to apply appropriate analytical tools to answer a question or solve a problem), (3) audience adaptation (ability to adapt messages, oral and written, to the diverse needs of an audience), and (4) critical thinking (ability to listen to messages actively, evaluate messages thoughtfully, and respond to messages mindfully). P: Senior status. 3 credits

CO-394 Social Media Capstone

The capstone project will have the student culminate the coursework they have completed in the major. They will run a real-time project based on the theories they have learned and test their skills on social media platforms. 3 credits

Computer Information Systems (CIS)

CIS-110 Contemporary Issues in Computer Information Systems

This course will introduce students to a range of current issues experienced by technology and information systems leaders in a variety of industry sectors. By taking advantage of guest speakers and research into emerging technology challenges, students will gain an appreciation of the scope of the technology industry and the potential opportunities they will encounter through the CIS program and in their future careers. This course will offer potential CIS majors an introduction to the field and offer existing CIS students a broad perspective on the ways in which technology affects businesses. 3 credits

CIS-112 Introduction to Cybersecurity

This course provides an essential introduction to current cybersecurity topics. Topics include high-level discussions concerning cyber hygiene, common security pitfalls, and security solutions for individuals and businesses. Career opportunities and certification programs will be addressed as well as case studies of actual criminal hacking attacks, cyber warfare, and similar events. Students will also be introduced to Hypervisor

technology and Open-Source Intelligence (OSINT) tools and techniques which will provide useful computing and research skills that may apply in many settings. This course is beneficial for anyone curious about digital security, planning for Cyber/CIS careers, or criminal justice majors interested in the cyber aspects of law enforcement. 3 credits

CIS-115 Computer Essentials

A general description of the use of computers in business and an introduction to solving practical business problems using the microcomputer. Topics include basic computer architecture, input/output devices, and storage devices. Microcomputer topics concentrate on five areas: word processing, spreadsheets, databases, graphics, and communications. Microsoft Office is used. This course is designed for those who feel they need an introductory computer course. 3 credits

CIS-150 Computer Hardware Fundamentals

This course will provide a hands-on exploration of the various hardware components that make up modern computers. It is essential that CIS and Cyber students have a firm foundation of the internal workings of computers, as well as confidence with regards to replacement and upgrading of key physical components. This course will provide students with both the background knowledge of computer hardware functions as well as hands-on experiences with computer equipment. Hardware architecture of peripheral equipment such as printers, modem/router, external storage, and pointing devices are also discussed. Students will also be exposed to basic troubleshooting and recovery tools and techniques. 3 credits

CIS-160 Programming with Python

As one of the most popular scripting languages, this course presents an opportunity for students to explore the fundamentals of programming with Python. As a stand-alone language, Python is powerful - but when integrated with other software tools such as Microsoft Excel, or as part of A.I. software development, its impact can rapidly scale up. Python is useful in both I.T. fields and Cybersecurity, providing users a variety of functions to automate processes and increase efficiency. This course would also be useful for students majoring in finance, accounting, data analytics, supply chain management, or other related fields since Python is such a widely used language. 3 credits

CIS-171 Business Spreadsheet Development

A detailed description of the use, design, and development of complex spreadsheets to solve business problems. Topics include graphing, macro development, and other advanced spreadsheet features and techniques. Principles of good spreadsheet design are emphasized throughout the course. Special emphasis will be placed on accounting software applications. Microsoft Excel is one of the packages used in this course. 3 credits

CIS-172 Database Development

A detailed description of the use of databases in business and practical instruction in the development of databases on the microcomputer. Topics include table creation, sorting, indexing, and reporting. Students develop an understanding of the uses of databases in business and the management of a database on a microcomputer. Microsoft Access is used. 3 credits

CIS-210 Data Privacy and Digital Security

This course will explore a variety of topics relating to online privacy, digital safety, digital citizenship, and the protection of personal information in the increasingly digital world. Students will engage with topics such as data brokering, facial recognition technology, personally identifiable information, government regulation, industry oversight, and the responsibility of organizations and individuals to act in an ethical manner across a range of disciplines and contexts. 3 credits

CIS-221 Security Auditing and Risk Assessment

This course covers the foundational methods of security auditing and presents the key elements of security risk assessment for organizations. Students will get a practical view of the primary risk assessment methods and exposure to tools commonly used in the process of conducting security audits. Topics to be covered will include risk mapping, security risk remediation and ongoing audit methods to ensure the integrity of organizational data. 3 credits

CIS-231 Legal Issues in Cybersecurity

This course will focus on practical and legal issues affecting organizational leadership within the IT sector. The topics covered in this class will include compliance with federal and industry-specific protocols, protecting the rights of stakeholders, employee oversight and privacy laws, establishment of business policies, and analysis of the changing legal frameworks for Cybersecurity professionals. 3 credits

CIS-240 Defensive and Offensive Cybersecurity Fundamentals

This course introduces students to the building blocks of information security. Key concepts and definitions are explained through lecture and hands on lab exercises as well as critique of real-world hacking incidents. The first half of the course focuses on Cybersecurity best practices for home and office which are taught in the classroom and reinforced in the lab setting. In the second half of the course, students are afforded an opportunity to work with offensive security tools and tactics based on Kali Linux. Training will cover the basic sequence of penetration testing including reconnaissance, enumeration, gaining access, maintaining access, and covering tracks. 3 credits

CIS-250 Windows Operating System

This course is an introduction to the Windows computer operating system. This course teaches techniques for setting up files and directories, backing up files, managing Active

Directory, and organizing programs on a computer using Windows. This course will also explain the essential security concepts involved with these operating systems and set the stage for later course work in the program which involves use of Windows. Students will need access to a Windows computer with administrator permissions. 3 credits

CIS-252 Special Topics

Selected topic studied in-depth within a Computer Information Systems frame of reference. 3 credits

CIS-261 The Power and Pitfalls of Artificial Intelligence (A.I.)

This interactive, interdisciplinary course will allow students to explore a range of topics related to the role of Artificial Intelligence (A.I.) in our lives. By learning the foundations of how A.I. actually works, examining its growing influence and impact on business, medical fields, the arts, social structures, and legal and ethical frameworks, students will learn about the immense power of A.I. - and also recognize the dangers and pitfalls that it presents. Through a combination of hands-on experiences, active inquiry, and weekly topics, students will learn to produce, evaluate, critique, and assess the impact of A.I. tools on their current and future lives. General Education Pathway: Creation & Destruction - Experiential Learning. 3 credits

CIS-270 Linux Operating System

This course is an introduction to the Linux computer operating system. This course teaches techniques for setting up files and directories, backing up files, and organizing programs on a computer using Linux/UNIX. This course will also explain the essential concepts involved with these operating systems. 3 credits

CIS-276 Systems Analysis and Design

An introduction to analyzing and designing computer systems for business. Topics include cost benefit analysis, input/output design, file design, data flow diagramming, and project management. Students will learn to work effectively as a member of a project team designing a complex computer system. 3 credits

CIS-282 Computer Networks

A study of the hardware and software used in local area networks. Includes study of the use and maintenance of network operations systems. 3 credits

CIS-286 Internet and Web Publishing

This course covers the basics of web design, including search engine optimization, website layout, navigation, calls to action and other essentials of effective design for the World Wide Web. Students create their own websites with multiple related pages, links to other sites, and complex graphics and photographs. 3 credits

CIS-301 Technology and the Arts

This course includes all forms of creative expression, and their evolution through digital technology. It demonstrates the connection between the arts, humanities, and technology that continue to influence today's digital society. 3 credits

CIS-315 Healthcare and Information Systems

Information technology is transforming the delivery, management, and economics of healthcare. This course will explore the technologies that support healthcare information systems, such as software applications; system analysis and design; data management; networks and data communication; and system standards and security. Particular attention will be paid to the benefits and challenges of information technologies in medical record keeping; remote diagnosis and treatment; and improving efficiency and quality of care. 3 credits

CIS-320 Computer Forensics I

This course is designed as an introduction to computer forensics. It will cover the basic concepts of cybercrime and information systems forensics, and provide a solid foundation for more advanced computer forensic concepts. It will include the processes involved in searching hardware, computer programs and data for evidence. 3 credits

CIS-321 Computer Forensics II

This continuation course will introduce students to advanced information systems forensics techniques. It will include the processes involved in searching hardware, computer programs, and data for evidence. P: CIS 320. 3 credits

CIS-325 Data Communications

This course is designed to provide students with an understanding of the technologies and products related to communications systems. It will include management issues related to network planning, implementation, and administration. Among the topics covered are: distributed data processing, communication techniques, network design, and security. 3 credits

CIS-330 Issues in Computer Ethics

An introduction to ethical decision-making as it relates to computer technology. This course includes the investigation of Internet-related and on-the-job issues. Items addressed include privacy and freedom of speech issues, intellectual property rights, the creation and maintenance of computer databases, and computer-related criminal activities. Writing Intensive Designation: Major. 3 credits

CIS-331 Incident Management and Response

This course addresses the methods by which an IT professional can manage cybersecurity incidents and follow up procedures to be conducted immediately after an event. Topics

to be covered include analysis of the extent of the infiltration, incident containment, root cause analysis, evaluation of the scope of the data breach, and strategies to engage in constructive dialogue with stakeholders. 3 credits

CIS-379 Management of the Information Systems Function

In this course, students study the principles of managing an information systems service function in business. Topics include: objectives, organization, client relations, cost allocation, computer center operations, legal issues, and the application development process. 3 credits

CIS-380 Internship

This is a field-based course in which students gain on-site employment experience in a local business establishment for 120 contact hours per 3 credits. The student is responsible for maintaining an integrative journal and completing other academic requirements. A student may repeat this course only once, and the second internship must be in a different place of employment. P: 12 credits in the Computer Information Systems, Business Administration, Management, and Sport Management Department plus junior or senior standing. 3-12 credits

CIS-385 Information Systems Security

A study of security policies, models, and mechanisms for secrecy, integrity, and availability. Topics include operating system models and mechanisms for mandatory and discretionary controls; data models, concepts, and mechanisms for database security; basic cryptography and its applications; security in computer networks and distributed systems; and control and prevention of viruses. Concentration will be placed on the related legal issues. 3 credits

CIS-390 Independent Study

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

CIS-393 Senior Computer Project

The graduating senior undertakes a major research project in the field of CIS, which includes on-site inquiry and the writing of a senior thesis on the basis of research. P: Senior standing. 3 credits

Criminal Justice (CJ)

CJ-111 Introduction to the Criminal Justice System

Students will review the origins and foundations of our American system of policing, the relationship between the individual citizen and the state/federal governments' police powers. Included in this section of the course will be an overview of the Fourth Amendment, the Fifth Amendment, and the Sixth Amendment. Students will also review the judicial system, and become familiar with the procedures followed in a criminal trial. Finally, the students will examine sentencing issues and the sanctions available against a criminal convict, including incarceration in jail or prison, probation, and parole. General Education: Social Science. 3 credits

CJ-231 Deviance and Criminology

An examination of the social construction of the categories of "crime" and "deviance" with a focus on data and theories used in Sociology and Criminal Justice Studies. P: CJ 111 or SO 111. 3 credits

CJ-232 Juvenile Delinquency

Investigation of delinquency as a social category, including theories of construction and causation, patterns of delinquency, and the working of the juvenile justice system. P: CJ 111 or SO 111. 3 credits

CJ-233 Corrections

Examination of philosophy, theory, and practice of criminal punishment and of the processes which characterize arrest, prosecution, trial, and sentencing. Formal and informal operation of law enforcement agencies are studied, with special attention to patterns of differential treatment accorded different social and economic groups. P: CJ 111 or SO 111. 3 credits

CJ-234 Contemporary Issues in Criminal Justice

This course is designed to challenge students' ability to discern the complexities of some of the fundamental issues faced by criminal justice professionals today, including the consequences of our nation's "war" on drugs; the possible consequences of the legalization of drugs; gun control; the insanity defense; the development of the victim's rights movement; predicting juvenile delinquency; and probation and parole. P: CJ 111. 3 credits

CJ-238 Criminal Evidence

This course is designed to introduce students to the rules of evidence which govern the conduct of criminal trials. Starting out with an explanation of direct and circumstantial evidence, students will then examine the hearsay rule and its many exception, privileges, and the standards which govern expert and lay testimony. Finally, students will finish the

course with an examination of how the courtroom rules affect police officers in the field as they investigate criminal behavior. P: CJ 111. 3 credits

CJ-239 National Security & Civil Liberty

In this course, students will explore the complex problems faced by our nation as we attempt to balance the conflicting need to maintain our national security with the need to ensure individual civil liberty. Topics covered include: subjecting civilians to military justice, martial law declaration, suspending habeas corpus, designating persons as unlawful combatants, and law enforcement scrutiny of lawful political protest. In addition, students will review how the events taking place during various time periods in our history, such as the Civil War, the Cold War era, and the 1960s shaped our government's policies toward balancing security needs with the guarantee of civil liberties we enjoy. 3 credits

CJ-248 Correctional Administration

This course is designed to familiarize the student with issues currently being faced in the correctional field. We will address such areas as: correctional history, prisoner reentry, managing sex offenders, mass incarceration, the death penalty, and gender issues. 3 credits

CJ-250 Police & Community Relations

This course will familiarize students with the role of the police in a democratic society. The curriculum will discuss police discretion, community policing, and other contemporary issues. 3 credits

CJ-255 Special Topics

Selected topic studied in-depth within a Criminal Justice frame of reference. 3 credits

CJ-280 Criminal Justice Practicum

Fieldwork experience with approval of Program Director. P: CJ 111 plus 15 hours in Criminal Justice. 3 credits

CJ-335 The U.S. Constitution & Bill of Rights

In this course students will examine the founding documents of the American republic: the Declaration of Independence, the Articles of Confederation, the Constitution, and the Bill of Rights. Students will first review the promises of individual freedom contained within the Declaration of independence. This will be followed by reviewing the Articles of Confederation before moving onto the Constitution's structure wherein our national government was divided among three branches: legislative, executive, and judicial. Students will become familiar with the concepts of 'natural rights,' 'separation of powers,' 'limited' government, 'states' rights,' and the 'amendment' process. 3 credits

CJ-338 Criminal Evidence

This course is designed to introduce students to the rules of evidence which govern the conduct of criminal trials. Starting out with an explanation of direct and circumstantial evidence, students will then examine the hearsay rule and its many exception, privileges, and the standards which govern expert and lay testimony. Finally, students will finish the course with an examination of how the courtroom rules affect police officers in the field as they investigate criminal behavior. P: CJ 111. Writing Intensive Designation: Major. 3 credits

CJ-345 Criminal Law and Procedure

This course is designed to introduce students to the development of substantive and procedural due process, focusing on the ancient roots of criminal law from Medieval England up to the present day. Various topics such as criminal responsibility, causation, attempts, crimes and criminal procedure will be analyzed. P: CJ 111. 3 credits

CJ-380 Internship

Fieldwork experience approved by the Program Director. P: Junior or senior status. 3 credits

CJ-390 Independent Study

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

CJ-391 Senior Seminar: Ethics

In this seminar-based course, students in Criminal Justice will study the difficult ethical issues faced by criminal justice practitioners on a daily basis and how the ethical challenges faced by police, prosecutors, judges, and corrections officers can be effectively addressed. 3 credits

Drama (DR)

DR-245 History of the American Musical Theatre

This course explores musical theatre in America and its relation to the continually changing social milieu. We briefly examine the precursors of the American musical - minstrel shows, vaudeville, and operetta - to arrive at the "birth" of a new concept, integrating multiple disciplines (script, dance, music, themes, social/cultural contexts) into a genre whose appeal has spanned decades. Through chronological organization

of presented materials, the student will be able to follow the evolutions of musical theatre from its beginnings through its heyday to its current iterations. General Education Pathway: Creation & Destruction - Experiential Learning. 3 credits

Education (ED)

ED-170 Health Education for Teachers

This course familiarizes students with the topics of nutrition, first aid, disease, community health, mental health, youth suicide, child abuse, and alcohol and drug abuse, as well as other health considerations, as they may impact school success. The course includes discussion and practice of methods for instructing young people about these health-related topics. 2 credits

ED-190 Orientation to the Schools

A weekly seminar including an overview of major events and court decisions that have affected public schools during the nation's history, and a consideration of social, political, and legal issues on individual schools and school districts, as well as various challenges teachers experience as part of their daily routine. Students are expected to write brief weekly papers and keep reflective journals, as well as to participate in electronic discussion forums. Attention is given to the process of developing a professional Teaching Portfolio. This course includes a field experience requirement consisting of forty hours spent in a school environment under the supervision of a site supervisor. 2 credits

ED-212 History and Philosophy of Education

Overview of why and how we educate children. Topics include implicit and explicit goals of education, social reproduction theory, an analysis of selected educational systems in recorded human history, the history of education in the United States, and contemporary educational philosophies. 3 credits

ED-222 Learning

Whenever experience changes our behavior in a lasting way, learning has taken place. Learning includes acquisition of knowledge, mastery of concepts, cultivation of skills, and development of habits. This course surveys what is known about key forms of learning, emphasizing classical conditioning, operant conditioning, observational learning, verbal learning, and information processing models of memory. Major theories that attempt to explain these processes and how these theories are applied to real world concepts, such as education, will be covered. P: PY 111. 3 credits

ED-227 Special Education for the Classroom Teacher I

Teacher candidates in the undergraduate teacher preparation program will understand the diverse needs of all students, especially those likely to be enrolled in inclusion classes, and will gain skills to differentiate instruction in all classes. They also will

have understanding of CT and Federal legislation pertaining to exceptionalities (such as IDEA, 504 Plans, RtI/SRBI, Pupil Planning and Placement Team process, Individualized Educational Plan (IEP) development, and accommodations/modifications) to ensure their compliance with current regulations and policies. This course requires a 15 hour field experience in a school. 3 credits

ED-228 Special Education for the Classroom Teacher II

Teacher candidates in the undergraduate teacher preparation program will acquire an understanding of the diverse needs of all students, especially those likely to be enrolled in inclusion classes. They will acquire skills and strategies to meet special needs of students by devising various activities and assignments within the classroom. Specifically, those enrolled in this course will acquire special education knowledge and skills related to instruction in reading comprehension and content-specific literacy needed for success in classes across the curriculum. The course also includes instruction in the detection and recognition of dyslexia, and develops candidates' skills in providing structured literacy interventions for students with dyslexia. Also, as they learn to differentiate instruction, teacher candidates will acquire skill in the use of assistive technology to meet the learning needs of students with a variety of special needs. Additionally, students will become knowledgeable in strategies for addressing social and emotional needs of students in the general classroom. An important component of this course focuses on teacher candidates' reflection on their own cultural competencies, and the strengthening of these competencies in preparation for the diverse population who will be part of the school community in which they will teach. P: ED 227. 1 credit

ED-229 Psychology of the Exceptional Child

Not all children develop along 'typical' lines. For some, cognitive and/or social-emotional development differs sharply from what is considered normative. This course concerns the psychology of such children, especially insofar as their differences may produce problems in living (e.g., academic failure or social stigmatization). Assessment and diagnostic procedures (e.g., psychological tests) as well as intervention strategies (e.g., behavior modification) will be covered. Specific language and academic skills disorders, autistic-spectrum disorders, mental retardation, selected medical conditions, disruptive behavior disorders, 'internalizing' disorders (e.g., separation anxiety), and the consequences of neglect and abuse will be considered. Some attention also will be paid to the issues raised by giftedness and special talents. In addition to describing the various disorders clinically and phenomenologically, we will try to understand their origins, nature, and developmental implications, and how they can be recognized and effectively addressed in specialized settings (e.g., clinics), in regular classrooms, and in the home. This course includes a fifteen-hour field experience. This course does not fulfill the required special education courses for teacher candidates seeking initial teacher certification in Connecticut. Teacher candidates should consult with the Certification Officer for information about the required special education courses. P: PY 111 and PY 211 or PY 330. 3 credits

ED-242 Educational Psychology

This course is a study of the assumptions about learning and development that underlie various educational practices by acquainting students with different theories in both of these areas. It provides students with opportunities to develop their problem solving skills in the context of education and psychology. Some of the topics the course covers are development and individual differences, learning theories, problem solving, instructional objectives and methods, motivation, behavior management, and assessment. P: PY 111. 3 credits

ED-251 Special Topics

Selected topic studied in-depth within an Education frame of reference. 1-8 credits

ED-320 Teaching Reading and Writing Across the Curriculum

Emphasis in this course is on the essential importance of including instruction in reading and writing in every class as a means of enabling students to understand and articulate concepts and vocabulary related to content area studies. By becoming familiar with current ILA Standards, as well as with the RTI (SRBI) approach to effective instruction of all students, those enrolled in the course research, observe, and practice techniques and strategies for effective instruction of verbal literacy as an integral part of content instruction at both the middle and high school levels. Effective differentiated instruction, including instruction for English language learners, is an important component of this course. Also, part of the course is a fifteen-hour field experience, spread over the entire semester. This field experience, that takes place at a local school, enables the teacher candidate to assist with classroom reading and writing instruction, and affords familiarization with working with English language learners. 3 credits

ED-321 Curriculum and Methods of Teaching

This course addresses both curriculum and methods of instruction at both the middle and secondary levels. Attention is given to planning and organization of lessons and study units, effective strategies for classroom teaching, including classroom management techniques, differentiated instruction, and use of appropriate means of assessment. A field experience of at least 20 hours, spread over the entire semester, is a component of this course. Teacher candidates are placed with teachers at the level and in the content area in which they anticipate seeking endorsement. Taken during the same semester as ED 322. 3 credits

ED-322 Technological Applications in Classroom

This course introduces students to educational technology currently available for classroom use and considers various ways in which teachers employ such technology as effective teaching tools. Student projects and class presentations are central to activities in this course. Taken during the same semester as ED 321. 2 credits

ED-330 Child Development

An examination of the major theories, issues, and research related to the developing child from conception to puberty, with emphasis on emotional, cognitive, and social development. Current issues, such as the effects of drugs on the fetus, child abuse, and day care centers will be discussed. This course is not required for those who seek initial teacher certification at the middle or secondary level. P: PY 111. 3 credits

ED-341 Adolescent Psychology

This course examines the development of the individual during the period of transition from childhood to adulthood, including physical changes, personality development, and the influence of family, school, and culture on adolescents. P: PY 111. 3 credits

ED-390 Independent Study

In this course, the student will, under the supervision of the program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

ED-391 Teaching Practicum

This course consists of a weekly seminar that introduces teacher candidates to edTPA, the student teacher assessment used in Connecticut. In addition, a field experience of at least twenty-four hours spread over the entire semester enables the teacher candidate to prepare for the student teaching experience by observing a highly qualified teacher in a classroom setting at the middle or secondary school level. The teacher candidate will write journals reflecting on the relationship between effective instructional strategies and student learning. As part of the field experience, opportunity is provided for the candidate to engage in limited teaching experiences under the supervision of the classroom teacher. 3 credits

ED-392 Student Teaching

Concentrated and full-time classroom teaching, under the supervision of a cooperating teacher and a supervisor from the college's Education Programs Department. This experience enables teacher candidates to experience how theory is applied to practice for the purpose of successful teaching and learning. Credit for this course includes participation in weekly seminars on campus during the semester of student teaching. Credit for this course includes participation in weekly seminars on campus during the semester of student teaching. P: Minimum grade of C in ED 391. 9 credits

ED-393 Student Teaching Performance Assessment

During the student teaching experience, student teachers are required to complete the Student Teaching Performance Assessment. This assessment is the culminating summative assessment for teacher candidates in the Albertus Magnus College's initial teacher preparation program. This performance assessment is designed to evaluate teacher candidates' planning, instruction, and assessment of student learning. By submission of lesson plans, instructional materials, assessments, and student work, as well as by responses to prompts, teacher candidates demonstrate their readiness to teach. This course supports teacher candidates in the aforementioned areas as they move through the process of completing the Student Teacher Performance Assessment. To be taken in conjunction with ED 392. P: Minimum grade of C in ED 391. 2 credits

ED-436 Teaching Literacy in the Primary Grades

This course provides knowledge of diagnosis, assessment and instructional strategies for the development of early literacy in Grades K-3 and knowledge of the Common Core State Standards for early language arts instruction. Emphasis is on the development of teaching strategies necessary for the success of early readers and writers. Offered as part of the Albertus Magnus College/ Quinnipiac University 4 + 1 Master of Arts in Teaching Combined Degree Program. The course is offered through Acadeum at Quinnipiac's North Haven campus. 3 credits

ED-436L English Language Arts Integration Field Lab IV

This language arts field lab is taken in conjunction with ED 436 and ED 466. It provides opportunities to observe and apply literacy skills while teaching social studies content. Participants are required to complete a minimum of 20 hours of fieldwork that coincides with topics discussed in ED 466 and ED 436, such as comprehension development, academic vocabulary instruction, nonfiction reading and writing development and research skills. Offered as part of the Albertus Magnus College/Quinnipiac University 4 + 1 Master of Arts in Teaching Combined Degree Program. The course is offered through Acadeum at Quinnipiac's North Haven campus. 1 credit

ED-458 Teaching Science in the Primary Grades

This course focuses on the methods and materials of teaching elementary-level science. The course covers scientific concepts, scientific inquiry, active investigation methods and a deep understanding of the influence of the Next Generation Science Standards on contemporary science education. Offered as part of the Albertus Magnus College/Quinnipiac University 4 + 1 Master of Arts in Teaching Combined Degree Program. The course is offered through Acadeum at Quinnipiac's North Haven campus. 3 credits

ED-466 Teaching Social Studies in the Primary Grades

This course provides elementary teacher candidates with the information, strategies and knowledge of the pedagogy of teaching social studies. The course focuses on the integration of the social studies curriculum with other disciplines to create a

multidisciplinary understanding of history, economics, civics and society. Offered as part of the Albertus Magnus College/Quinnipiac University 4 + 1 Master of Arts in Teaching Combined Degree Program. The course is offered through Acadeum at Quinnipiac's North Haven campus. 2 credits

ED-468 Teaching Mathematics in the Primary Grades

This course introduces teacher candidates to the instructional methods and curricular materials used to enhance the instruction of mathematics in the primary grades and knowledge of the Common Core State Standards for primary-level mathematics instruction. Pre-service teachers learn to develop lesson plans and assessment methods that positively affect the learning of mathematics in grades K-3. Candidates are required to apply this knowledge within their field placement to better understand the relationship of theory and practice in the instruction of mathematics in the lower elementary grades. Offered as part of the Albertus Magnus College/Quinnipiac University 4 + 1 Master of Arts in Teaching Combined Degree Program. The course is offered through Acadeum at Quinnipiac's North Haven campus. 3 credits

ED-468L Primary Math and Science STEM Field Lab III

This STEM field lab is taken in conjunction with ED 458 and ED 468. It provides opportunities to observe and apply the integrated teaching of STEM (science, technology, engineering and math) into the elementary-level curriculum. Teacher candidates are required to complete a minimum of 20 hours of fieldwork that coincides with topics discussed in ED 458/ED 468. Offered as part of the Albertus Magnus College/Quinnipiac University 4 + 1 Master of Arts in Teaching Combined Degree Program. The course is offered through Acadeum at Quinnipiac's North Haven campus. 1 credit

English (EN)

EN-100 Introduction to College English

A basic English course in college-level reading comprehension and expository composition. This course helps prepare students to read, think, and write at the level generally expected in college classes. EN 100 is for students whose preparation is marginal in the skills essential for success in post-secondary education and who may need instruction in the fundamentals of reading and writing Standard English. Please note that this course is designed for speakers of English who need additional academic preparation for college-level work and not for English language learners. 4 credits

EN-106 Written Expression I

Through the study of the basic strategies of the composing process, students employ written expression as a vehicle of critical thinking as they are trained in the craft of expository writing and coached in skills necessary for producing clear, concise, and coherent essays. General Education: Writing Intensive. 3 credits

EN-106W Written Expression I

Through the study of the basic strategies of the composing process, students employ written expression as a vehicle of critical thinking as they are trained in the craft of expository writing and coached in skills necessary for producing clear, concise, and coherent essays. 3 credits

EN-107 Written Expression II

Continuing EN 106, the second semester builds upon students' fundamental knowledge of expository writing and increases proficiency in reading and writing, particularly argument, persuasion, and research. An introduction to the major literary genres provides a context for written response. General Education: Writing Intensive. 3 credits

EN-107W Written Expression II

Continuing EN 106W, the second semester builds upon students' fundamental knowledge of expository writing and increases proficiency in reading and writing, particularly argument, persuasion, and research. An introduction to the major literary genres provides a context for written response. P: EN 106W. 3 credits

EN-109 Elements of Effective Writing

This course is designed for the student who needs intensive practice in the techniques of effective writing. Through a focus on the writing process, this course aims to further develop students' abilities to express themselves in persuasion, argument, and some research writing. 3 credits

EN-143 Introduction to Creative Writing

A writing course designed as a general introduction to the strategies of literary composition. Through sustained and systematic practice in the techniques that stimulate and refine creative writing, students will exercise and develop intuitive and critical abilities essential to significant artistic achievement. 3 credits

EN-151 Special Topics

Selected topic studied in-depth within an English frame of reference. 3 credits

EN-170 Foundations of Literary Study

This course introduces students to essential concepts and skills in the discipline of English. Students will develop their skills as readers and writers through the practice of close reading and making literary arguments. They will also learn to work with secondary sources to enrich their understanding of literature in its historical and cultural contexts. General Education Pathway: Power, Equity, Justice - Writing Intensive. 3 credits

EN-220 The Short Story

A study of the thematic and stylistic range of the short story, with a concentration on the work of several English-language masters of the genre, such as Hawthorne, Poe, James, Crane, Joyce, Hemingway, O'Connor, and Oates. General Education: Literature. 3 credits

EN-227 Masterworks of British Literature I

Introduces students to the treasures of British literature: the tales of Chaucer; sonnets of Shakespeare; poems of Sidney, Spenser, Donne, Marvell, Milton, Dryden, Pope; essays of Swift and Samuel Johnson. Making use of some of the most beautiful and suggestive literary texts in English, this course helps students to become confident and responsive readers of literature. General Education: Literature. 3 credits

EN-228 Masterworks of British Literature II

The second half of Masterworks of British Literature explores selections from among the prose and poetry of Blake, Wordsworth, Coleridge, Byron, Shelley, Keats; the works of Tennyson, Arnold, the Brownings, Ruskin, Mill, Newman, Carlyle, Pater; and such modern poets as Yeats, Eliot, Auden, and Heaney. General Education: Literature. 3 credits

EN-235 Voices of Freedom, Equality and Justice

On July 5, 1852, Frederick Douglass gave a speech in Rochester, New York, demanding an answer to the meaning of the 4th of July to the American Negro. He insisted any celebration of American freedom was a sham unless it also included African Americans, most of whom at the time were legal slaves. Exactly 20 years later, Susan B. Anthony, in a famous speech, reminded her listeners that the Preamble to the United States Constitution began, "We the People," but "People" did not include women. Cesar Chavez, also in New York, in 1968, railed about the exploitation of farmworkers who labored under brutal working conditions in America, for less than minimum wage. These are but a few of the individuals whom we will study and whose voices and ideas we will explore in this course. Designed to introduce the student to individuals from a broad range of backgrounds, Voices of Freedom, Equality, and Justice, offers an in-depth look at activists whose messages of urgency raised issues of basic human rights, equality, and social justice. Their example, their refusal to look away, their insistence on speaking out and taking action, resulted in reforms that have improved the lives of millions of Americans. The format of the course will include reading primary sources ranging from speeches, to excerpts from autobiographies, to essays and historical documents. There will be discussion, student-centered problem-based learning (PBL), group work, research, and writing. This course seeks to develop students' knowledge of how culture informs one's understanding of self, society, and the world. Furthermore, this course offers the student an opportunity to engage in different and, at times, opposing viewpoints and to explore ethical dimensions while considering the nature of self and self's relation to the world. General Education Pathway: Power, Equity, and Justice - Humanities. 3 credits

EN-244A Creative Writing: Poetry, Short Fiction, Short Theater Pieces

This course invites students with a serious interest in writing to compose various forms of poetry, short fiction, and/or theater pieces. Through weekly writing and class workshops, this course helps students discover material, find and develop an authentic voice, and experiment with different kinds of writing. 3 credits

EN-244B Creative Writing: Poetry, Short Fiction, Short Theater Pieces

This course invites students with a serious interest in writing to compose various forms of poetry, short fiction, and/or theater pieces. Through weekly writing and class workshops, this course helps students discover material, find and develop an authentic voice, and experiment with different kinds of writing. 3 credits

EN-245 The Composing Process

Making use of class exercises, workshops, and individual conferences, this course will guide students to discovering materials, affecting audiences, and writing creatively with clarity and power. General Education Pathway: Creation and Destruction - Humanities. 3 credits

EN-250 Special Studies in Literature

Topics are interdisciplinary and/or may focus on literature in translation. 3 credits

EN-251 Young Adult Literature

This course centers on different kinds of literature read by young adults. It is particularly useful to future teachers. General Education: Literature. 3 credits

EN-255 Special Topics in British and American Literature

These courses focus on specific themes, periods, genres, or groups of writers in British and/or American literature. 3 credits

EN-268 Nature and American Literature

This course is an historic and contemporary look at the interplay between wilderness, nature, and civilization in American culture. The course represents a study of how writers imagine and represent nature and wilderness in American literature, and which genres are most effective. Readings are drawn from writers ranging from Henry Thoreau, John Muir, Sarah Orne Jewett, and Willa Cather to Theodore Roethke, Gary Snyder, Stephanie Mills, Barry Lopez, Wendell Berry and Leslie Marmon Silko. The class may also consider artistic themes of nature and wilderness, such as paintings from the Hudson River School and American Impressionism to more contemporary visions of the American landscape. General Education Pathway: Mission Earth - Writing Intensive. 3 credits

EN-283 Shakespeare I

This course explores the literary and theatrical genius of one of the world's greatest and most controversial artists. We will read, discuss, and watch performances (both film and live) of Shakespeare's major plays. This course focuses on the turbulent history plays (Richard II, Henry IV Part I and Part II, Henry V); sparkling romantic comedies (A Midsummer Night's Dream, As You Like It); and two of the most popular and poignant tragedies (Romeo and Juliet, Hamlet). General Education: Literature. 3 credits

EN-284 Shakespeare II

This course explores the literary and theatrical genius of one of the world's greatest and most controversial artists. We will read, discuss, and watch performances (both film and live) of Shakespeare's major plays. This course focuses on three great tragedies (Macbeth, Othello, King Lear); two mind-bending, problematic plays (Antony and Cleopatra, Measure for Measure); and the fascinating and beautiful final plays (The Winter's Tale, The Tempest). General Education: Literature. 3 credits

EN-293 From Adultery to Apocalypse: Five Amazing Plays

This course focuses on such crucial issues as Heroism; Love in a Violent World: War and Anti-Capitalism; Apocalypse. We explore plays of different countries, cultures, centuries, and languages. We develop the skills to understand, inhabit, and carefully analyze selected plays both as literary texts and as theatrical events. This course offers students an opportunity to engage in creative and critical dialogue with the plays, their characters, and their authors as well as with each other, and to articulate that experience both orally and in writing. General Education: Literature. 3 credits.

EN-321 The Athlete and Sport Across Popular Media and Culture

This course will explore the athlete in sport by examining various representations of sports, the mind/body connection for the athlete, and socio-cultural factors and implications of sports, across a variety of media, including film, television, and the memoir. This inter- and multi- disciplinary course will draw upon literature from media studies, psychology, sociology, and philosophy to examine various narratives and theories of the athlete's journey, and sport in general. We will cover a variety of topics including narratives of greatness, injury, race, gender, ability, class, embodiment, setbacks, and institutions. General Education Pathway: Trauma Studies - Experiential Learning. 3 credits

EN-345A Seminar in Composing Autobiography

This seminar uses readings, class exercises, and workshop activities to help students begin the process of exploring different versions of writing one's self as a literary text. Issues addressed include becoming the "author" of oneself; autobiography as the "rewriting" of the self; confession and deception as "autobiographical" impulses; the relation between autobiography and fiction. Students compose autobiographical poems or narratives as their final portfolio project. Recommended: EN 143. 3 credits

EN-345B Seminar in Composing Autobiography

This seminar uses readings, class exercises, and workshop activities to help students begin the process of exploring different versions of writing one's self as a literary text. Issues addressed include becoming the "author" of oneself; autobiography as the "rewriting" of the self; confession and deception as "autobiographical" impulses; the relation between autobiography and fiction. Students compose autobiographical poems or narratives as their final portfolio project. Recommended: EN 143. 3 credits

EN-356 Studies in American Literature

This course will introduce students to major themes in American literature with an emphasis on the diversity of America's literary traditions, including African-American and Indigenous American writing. General Education: Literature. 3 credits

EN-360 Literature of Love

This course focuses on the literature of love. As we read selected works from the early Greek poet Sappho to contemporary American poets, we will explore the various meanings love takes on in different cultures, centuries, and contexts-and we will consider the possibility that writing itself can be a way of loving. If you think that love poetry is sentimental or predictable, this seminar will surprise you! General Education: Literature. 3 credits

EN-360W Literature of Love

This course focuses on the literature of love. As we read selected works from the early Greek poet Sappho to contemporary American poets, we will explore the various meanings love takes on in different cultures, centuries, and contexts-and we will consider the possibility that writing itself can be a way of loving. If you think that love poetry is sentimental or predictable, this seminar will surprise you! 3 credits

EN-361 Literature of the Immigrant

Immigration is always two stories: a leaving and an arrival. This course considers the American immigrant experience through the perspective of literature. Novels, short stories, poetry, essays, and memoirs are read to gain understanding of the struggle of creating new lives in an unfamiliar culture. General Education: Literature. 3 credits

EN-380 Internship

Field work experience open to senior majors. Requires permission of Department Chair, with whom hours and credits are to be arranged. 3-6 credits

EN-390 Independent Study

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student

not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

EN-391 Senior Seminar in British and American Literature

This is the culminating seminar for English majors which invites in-depth study of selected seminal literary texts. Past seminars have focused on the question: How does reading and knowing poets of the past relate to our reading and knowing of poets of our own time? Writing Intensive Designation: Major. 3 credits

Finance (FIN)

FIN-220 Personal Finance

This course is an examination of personal finance and the many tools available in the preparation of a personal financial plan. Areas of discussion include the following: banking, products and services offered by typical banks and credit unions, credit and credit repair, home finance and understanding various mortgages, financial planning including IRA and retirement planning, annuities, life insurance, long term care, making a will, estate planning and trusts, taxes, and an understanding of the role of stocks, bonds and mutual funds. 3 credits

FIN-227 The Stock Market

As stock markets take on a more important role in the investment plans of individuals, it becomes essential to know the fundamentals of how Wall Street and other financial centers work. In this course we will examine the various types of securities traded on Wall Street, including stocks, bonds, mutual funds, and futures and options. Students will also learn to understand financial news and to design and manage their own stock portfolios. 3 credits

FIN-251 Special Topics

Selected topic studied in-depth within a Business frame of reference. 3 credits

FIN-265 Corporate Financial Management

Students will study the financing, valuation, and organization of business firms. Topics include: financial analysis, capital budgeting, valuation of corporate assets, long and short-term sources of funding, and cost of capital. P: AC 162. 3 credits

FIN-322 International Finance

This course will cover topics applicable to global financial markets. Students will learn concepts pertaining to exchange rates, international currency flows, transaction exposure

for multinational firms, interest rate differentials, country risk, and the international debt and equity markets. P: AC 161, BE 204. 3 credits

FIN-325 Money and Banking

In this course we will study monetary systems and the role of money and banks in supporting the economy. Topics will include the structure and operation of financial markets, the behavior of interest rates, the operation of the banking industry, and the structure of the Federal Reserve System. 3 credits

FIN-366 Investment Analysis

This course will focus on advanced investment issues. Students will learn concepts pertaining to behavioral finance, technical and fundamental analysis, equity and bond valuation, portfolio management, professional money management, derivative securities, alternative investments, and portfolio analysis. P: FIN 227, FIN 265. Writing Intensive Designation: Major. 3 credits

FIN-380 Finance Internship

This is a field-based course in which students gain on-site employment experience in a local finance firm or finance department of a business establishment for 120 contact hours per 3 credits. The student is responsible for maintaining an integrative journal and completing other academic requirements. P: 12 credits in finance. 3-12 credits

FIN-390 Independent Study

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

Global Studies (GL)

GL-111 Introduction to Global Studies

Globalization refers to the processes which are pulling everyone on the planet together. In Introduction to Global Studies, we will look at politics, history, economics, and ecology to understand both the compression of the world and the rise of consciousness of the globality of human experience. Topics will include terrorism; migration from poor to rich countries; human rights; the flow of jobs and money around the world; human trafficking; transnational smuggling of drugs, weapons, and art; and the impact of human beings on the biosphere. General Education Pathway: Mission Earth - Writing Intensive. 3 credits

History (HI)

HI-111 Western Civilization I

A survey of European cultures since the Renaissance designed to give an understanding of the major forces and events which have shaped the modern world. This course covers the period from the Renaissance to the French Revolution, including the Reformation, the age of religious wars, the rise of absolutism, and the Enlightenment. General Education: History. 3 credits

HI-112 Western Civilization II

A survey of European cultures since the Renaissance designed to give an understanding of the major forces and events that have shaped the modern world. This course covers from the era of the French Revolution to the present, including romanticism, nationalism, industrialization, imperialism, fascism, and the two world wars. General Education: History. 3 credits

HI-121 United States History I

This course covers United States history through Reconstruction, including the colonial era, the age of the American Revolution, the early republic, and the sectional conflict. General Education: History. 3 credits

HI-122 United States History II

This course covers United States history from Reconstruction to the present, including social and economic development in the late nineteenth century, populism, progressivism, the two world wars and the interwar period, as well as developments in American life since 1945. General Education: History. 3 credits

HI-125 Power, Politics, and History

This course uses an historical approach to introduce students to concepts that are fundamental to Political Science: power, ideology, and politics. Through an intensive exploration of various historical periods and events, students will come to understand the various ways that power operates on individuals and groups; the ways that ideologies impact how we think, see, and act; and how different understandings of politics have come to define our world. Through extensive use of simulations and experiential learning, students will immerse themselves in the unfolding of politics, and the deployment of power throughout history. General Education: History. 3 credits

HI-150 Rights, Slavery and Revolution

This course will analyze the period in world history where calls for human rights and freedom existed alongside a social and economic system of racial slavery. After situating European slavery in the context of the global economy, the course analyzes the French Revolution as a moment when the issue of human rights emerges in the West. The tension between slavery and human rights culminates with the Haitian Revolution, the

first full-scale revolution for independence. The course concludes by asking questions about the place of that revolution in contemporary historical narratives. How does minimizing the Haitian revolution impact our understanding of that period, ideas of freedom and rights, and the idea of revolution itself? General Education: History. 3 credits

HI-252 Topics in Historical Study

A course in European, American, or World History which will focus on a single topic or theme. 3 credits

HI-253 Topics in Historical Study

A course in European, American, or World History which will focus on a single topic or theme. 3 credits

HI-304 History through Biography

This course will focus on biography as a form of historical inquiry, presenting examples of biography from diverse eras and with various approaches as well as subjects with distinctive problems. Additional readings from historians and writers will also help each student clarify a position on the nature of biography. General Education Pathway: Trauma Studies - Humanities. 3 credits

HI-320 History of Colonial America

A survey of early America from the late fifteenth century to the mid-eighteenth century. The course looks at Native American peoples and their initial contact with explorers and settlers and the continuing interactions of Americans, Europeans, and Africans throughout the era. Particular attention is given to comparative analysis of selected colonies and the types of social, economic, political, and cultural institutions that emerged. 3 credits

HI-330 History of Immigration

Why do Americans often view new cohorts of immigrants with fear and suspicion despite our being a nation of immigrants? This course will trace the experiences of various groups of immigrants to North America from the Colonial period to the present. The course will examine the push factors that compel immigrants to emigrate and the pull factors present in the United States that encourages them to immigrate. This course will also examine the reception of, struggles of, and pressures facing new groups of immigrants. 3 credits

HI-334 The Sixties: From Kennedy to Vietnam

A study of the domestic and foreign policies of the Kennedy, Johnson, and Nixon administrations with attention to the social, economic and cultural changes of the decade. Major emphasis is given to the question of economic prosperity and its impact upon society, the rights revolutions, youth culture, and Great Society programs. The

course concludes with a study of American withdrawal from Vietnam, Watergate, and stagflation. 3 credits

HI-341 World Revolution in the Twentieth Century

A study of the major revolutions of the twentieth century with special attention to the theoretical approaches to the nature of revolution. Primary attention will be given to the Mexican Revolution of 1910, the Russian Revolution of 1917, the Chinese Revolutions of 1911 and 1949, and the Great Proletarian Cultural Revolution. 3 credits

HI-344 African Slavery in the Atlantic World

The development of slavery in the Atlantic basin from its fifteenth-century beginnings through the nineteenth-century era of abolition with particular emphasis on the development of the slave trade, the evolution of slave cultures, economies, and societies in the New World and the impact of these on the Old World. The course will also explore the development of anti-slavery movements and demise of slavery. General Education: History. 3 credits

HI-355 Special Topics

Selected topic studied in-depth within a historical frame of reference. 3 credits

HI-380 Practicum

Fieldwork experience initiated with permission of the Department Chair. 2-12 credits

HI-385 Historiography

An examination of the nature of the historical enterprise and historical methodology as well as prominent interpreters and interpretations of the past. Much of this seminar style course is devoted to critical analysis of the writings of historians and the preparation of a historiographic essay. P: Senior status. History majors only. Writing Intensive Designation: Major. 3 credits

HI-390 Independent Study

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

HI-391 Senior Research Seminar

Required of all senior majors, students will research and write a significant essay based upon primary source material to the degree possible, in which they will demonstrate their mastery of the craft of History. P: HI 385. 3 credits

Human Services (HS)

HS-101 Introduction to Human Services

An overview of the principles and practices of human services, including: concept of "cradle-to-grave" care and its implications; components of the human services delivery system; nature and current status of the various human services professions; social, occupational, and professional outlook for the near future; and personal and ethical issues involved in choosing to enter the human services field. 3 credits

HS-255 Special Topics

Selected topic studied in-depth within a Human Services frame of reference. 3 credits

HS-256 Mental Health and the Criminal Justice System

The course focuses on central topics that exist within the intersection of mental health and the criminal justice system. This includes the rates and types of mental illness experienced by those involved in the criminal justice system, civil commitment (inpatient and outpatient), competency to stand trial, criminal responsibility, diversion programs, mental health court, and the provision of mental health treatment in correctional settings. Finally, we will discuss how the criminal justice system might better address the needs of people with mental health illnesses. 3 credits

HS-280 Human Services Practicum I

A field experience with a Human Services agency. Students who intend to take Practicum I must see their academic advisor at the beginning of the semester. Practicum must be arranged through the Office of Career & Professional Development. This should be done no later than the middle of the semester prior to beginning the practicum placement. In addition, students must complete a preparatory workshop offered by the Office of Career & Professional Development during the semester before beginning their on-site work. 3 credits

HS-281 Human Services Practicum II

A field experience with a Human Services agency. Students who intend to take Practicum II must see their academic advisor at the beginning of the semester. Practicum must be arranged through the Office of Career & Professional Development. This should be done no later than the middle of the semester prior to beginning the practicum placement. In addition, students must complete a preparatory workshop offered by the Office of Career & Professional Development during the semester before beginning their on-site work. 3 credits

HS-311 Issues in Human Services

An in-depth examination of professional and personal issues relative to the human services professional. Consideration will be given to the position of human services organizations in government policy and the place of human services professionals in both public and private education, health care, and social welfare systems. Attention will also be given to the personal challenges faced by human services professionals, including typical occupational stressors and their impact, the importance of professionally ethical behavior, and ethical dilemmas that may be encountered. P: HS 101, HS 280, HS 281. Writing Intensive Designation: Major. 3 credits

Humanities (HU)

HU-108 The Examined Life I

In the first semester, students begin to develop critical habits and thinking skills. Inspired, in part, by the "see, judge, act" method of analysis central to the tradition of Catholic Social Teaching, the course is composed of three major units 1) Who am I? 2) How should I think?; and 3) What should I do? In Unit 1.1 ("Who am I?") the endeavor begins with giving an account of oneself-historicizing one's experience, location, identity, aspirations, and convictions. Unit 1.2 ("How should I think?") has the goal of examining oneself by learning how to question assumptions and presuppositions. This involves both attitude and skill—a "courage to think for oneself" coupled with methods for doing so in a well-reasoned way. Unit 1.3 ("What can I do?") rounds out a "pursuit of truth that is practical in its application" and responsive to today's "ethical challenges" by arriving at the goal of justice-seeking. Here, students will learn how the critical dispositions and skills infused in the Liberal Arts tradition can and have been applied to address urgent contemporary problems. 3 credits

HU-109 The Examined Life II

In the second semester, students apply the critical habits and skills developed in the first semester. In unit 1, students will identify the knowledge and skills from the first semester that are central to engaging with complex real world issues. After this brief introduction, individual instructors select two real-world "problems" that students in their section will familiarize themselves with and address in a collaborative and partially self-guided way. Mirroring the development of critical habits and skills in the first semester, students are invited to formulate crucial questions, identify and conduct necessary lines of research, schematize past, existing, and imaginable responses, critically evaluate possible courses of action, engage in experiences inside and outside of the classroom, produce events and artifacts that demonstrate the fruition of their work and conclusions drawn, and reflect on the learning experience and the merits of what has been accomplished. 3 credits

HU-390 Independent Study

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student

not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. Writing Intensive Designation: Major. 1-12 credits

HU-399 Senior Humanities Seminar

A course of intensive writing and reading from a variety of sources, designed to provide a forum for reflection and conversation regarding what it means to live life well. This required course is part of the general education curriculum. General Education: Writing Intensive. 3 credits

Languages & Cultures (LC)

LC-111I Elementary Italian I

Introduction to basic language skills: listening, reading, practice in speaking and writing simple Italian. Includes study of contemporary Italian culture and civilization. General Education: Languages & Cultures. 3 credits

LC-111S Elementary Spanish I

Introduction to the basic language skills: listening, speaking, reading, and writing. Classes are structured to provide extensive oral practice in Spanish. General Education: Languages & Cultures. 3 credits

LC-112I Elementary Italian II

Introduction to basic language skills: listening, reading, practice in speaking and writing simple Italian. Includes study of contemporary Italian culture and civilization. P: LC 111I. General Education: Languages & Cultures. 3 credits

LC-112S Elementary Spanish II

Introduction to the basic language skills: listening, speaking, reading, and writing. Classes are structured to provide extensive oral practice in Spanish. P: LC 111S. General Education: Languages & Cultures. 3 credits

LC-190I Independent Study in Italian

An individualized program of study at the elementary level. The student chooses, presents for approval and carries out an original project related to Italian language, literature, or culture. P: Permission of Department Chair. 3 credits

LC-190S Independent Study in Spanish or Latin American Literature

An individualized program of study at the elementary level. A variety of student-oriented projects is possible including directed readings or individual research. P: Spanish proficiency and permission of Department Chair. 3 credits

LC-211S Intermediate Spanish I

A continuation of the study of the essentials of grammar and pronunciation, with continued emphasis on oral performance. Includes increased practice in composition and reading. P: LC 111S, LC 112S. 3 credits

LC-212S Intermediate Spanish II

A continuation of the study of the essentials of grammar and pronunciation, with continued emphasis on oral performance. Includes increased practice in composition and reading. P: LC 211S. 3 credits

LC-217S Human Rights and Religious Witness in Latin America: a Film Course

The Americas - North, Central, and South - are the product of European colonial conquest of the Western Hemisphere five hundred years ago. This film course explores the consequences of this colonial origin and examines the cycle of oppression and resistance to oppression in Latin America, more specifically, in Mexico and Central America, from the conquest to the contemporary period. Eight films will dramatize the tragic, beautiful, and epic story of Latin America yesterday and today. Students will report on the films and their relationship to the context of globalizing forces of the Spanish conquest, colonialism, Christianity, trade, American hegemony in the western hemisphere, the Cold War, immigration, and human rights. For each of these globalizing forces, we will employ a twofold approach: (a) identify the actions of the colonial or governmental power and (b) describe the reactions of the Church and of the people. Associated with this approach, we will ask two sets of questions: (a) What justification did the colonial powers use to conquer, dominate, and enslave people? Likewise, in the postcolonial era, what justification did the independent governments use to suppress the people? (b) On the other side of the conflicts, what motivated the champions of human rights, who rose up in every age of this history to defend the indigenous peoples and the peasants? Their examples will lead us to a consideration of Liberation Theology. One benefit of this course is the ability to see a continuity of history: the actions of rulers and the reactions of the ruled follow recurring patterns through time. Students will be asked to describe this continuity. The past isn't dead; it isn't even past. (William Faulkner). A question for students to contemplate is this: How is the past living on in the present? 3 credits

LC-230S Advanced Spanish Conversation and Composition

Intensive review of Spanish language structure with emphasis on composition and conversation. The course prepares students for more advanced study of Spanish and Latin

American cultures through extensive readings and in-class analysis. P: LC 211S, LC 212S. 3 credits

LC-231S Conversational Spanish

A course that builds students' conversational skills in Spanish. While all four vital skills of language (speaking, listening, reading and writing) are targeted, the course emphasizes proficiency in oral communication skills. Students are required to practice Spanish through class discussions, presentations and reports. P: LC 211S, LC 212S and two years of successful high school Spanish. 3 credits

LC-244I Italian Culture & Civilization

This course offers a review of basic elements of Italian culture. Students develop an appreciation and awareness of contrasts and comparisons with their own heritage. General Education: Languages & Cultures. 3 credits

LC-244S The Cultures and Civilizations of the Spanish Speaking World

This course explores the various civilizations and cultures that contribute to the Spanish-speaking world. Students will gain knowledge of the Spanish/Latino/a/x individual through dialogue, readings, course assignments, and student-directed research. This course is designed to help the student gain a true global perspective and to realize the beauty in the diversity of Spain and Latin America, which is one of the underlying missions of Albertus Magnus College. Offered by the Department of Languages and Cultures, this course fulfills one semester of the College's language requirement and/or a minor in Global Studies or Spanish & Latin American Studies. This course fulfills one semester of the Spanish major or minor as well. The course will be taught in English with frequent references and proper names in Spanish. The course integrates the four basic skills of foreign language acquisition—reading, writing, speaking, and listening—in addition to cultural awareness of the Spanish-speaking world. General Education: Languages & Cultures. 3 credits

LC-261S 20th & 21st Century Spanish and Latin American Film

Students will view and critically analyze several important Latin American and Spanish films from the early 1980s - 2011. Emphasis will be placed on our on-line discussions and essay writing. The learning objectives for this course include developing a precise vocabulary for cultural studies; developing a deeper understanding of the diverse history, art, and cultures of Central America, Latin America, and Spain; and developing speaking, listening, and writing abilities at an advanced level. Because of its fast pace and intense writing demands, preparation in advance is essential. Offered in English or Spanish. General Education: Literature. 3 credits

LC-290I Independent Study in Italian

An individualized program of study at the advanced intermediate level. The student chooses, presents for approval and carries out an original project related to Italian language, literature, or culture. P: Permission of Department Chair. 3 credits

LC-290S Independent Study in Spanish or Latin American Literature

An individualized program of study at the advanced intermediate level. A variety of student-oriented projects is possible including directed readings or individual research. P: Spanish proficiency and permission of Department Chair. 3 credits

LC-341S Major Writers of Latin American Literature

A study of the major works of Latin American literature from modernismo, through the "Boom" and the contemporary period. Students learn of the rise of independent forms of cultural expression from the diverse genres of poetry, prose, and theater. Writers studied include Rubén Darío, José Martí, Jorge Luis Borges, Alfonsina Storni, Juan Rulfo, Gabriel García Márquez, Julio Cortázar, Carlos Fuentes, and Antonio Skármeta. General Education: Literature. 3 credits

LC-343S The Short Stories of Borges, Kafka and Poe

Students will read several short stories from Argentine writer, Jorge Luis Borges. Borges' short narratives will be studied in depth and compared/contrasted with the narrative works of Franz Kafka and Edgar Allan Poe. This is a W course with a strong written component. Students are expected to research and write several shorter papers along with one final research paper (MLA format and Bibliography). This course will be conducted in English and/or in Spanish and is highly recommended for students majoring or minoring in Spanish. Native speakers are encouraged to register as well. General Education Pathway: Creation and Destruction - Writing Intensive. 3 credits

LC-354S Special Topics in Latin American Literature

A study of significant areas of Hispanic culture through the exploration of a particular theme rather than genre or period. Topics ranging from year to year may include Women Writers of Latin America, Poetry and Politics, Social Drama, Creolization and Literature in the Caribbean. May be taken more than once for credit if topics differ. 3 credits.

LC-360S Issues of Anxiety & Assimilation in Puerto Rican and Nuyorican Literature

Students will read and critically analyze several important Puerto Rican novels, short stories, essays, films and music from the 20th century to see how they influence (or are influenced by) national identity or history. Julia de Burgos, Willie Perdomo, Pedro Pietri, Tato Laviera, Lin Manuel Miranda, Antonio Pedreira, Rosario Ferré, Piri Thomas, Ana Lydia Vega, Esmeralda Santiago, and Jack Agüeros figure among the influential writers that we will read this semester. Emphasis will be placed on digital literacy, written and oral communication. General Education: Languages & Cultures. 3 credits

LC-390I Independent Study in Italian

An individualized program of study at the advanced level. The student chooses, presents for approval and carries out an original project related to Italian language, literature, or culture. P: Permission of Department Chair. 3 credits

LC-390S Independent Study in Spanish or Latin American Literature

An individualized program of study at the advanced level. A variety of student-oriented projects is possible including directed readings or individual research. P: Spanish proficiency and permission of Department Chair. 3 credits

LC-391S Practicum

Supervised practical experience. With the approval of the Department Chair, a limited number of students may be placed in a variety of positions where the student's principal activity centers on communication in Spanish. Suggested practica may include teaching practice at area schools or business internships with a focus on Spanish language usage. Student's minoring in Spanish and Spanish and Latin American Studies are strongly encouraged to do a practicum. P: 18 credit-hours in Spanish and permission of the Department Chair. 3-12 credits

LC-395S Departmental Seminar

An integrated study of a particular theme, topic, or genre. Possible topics include the Renaissance in Spain, Existentialism in the Contemporary Novel, Cervantes and the Rise of the Novel, among others. P: Spanish proficiency and permission of the Department Chair. Writing Intensive Designation:Major. 3 credits

Liberal Studies (LS)

LS-210 Aquinas Program Project I

This course focuses on identifying and refining a research topic that will culminate into a final research paper to be completed the following semester. This course aims to instill foundational knowledge on scholarship and research. Students will complete an annotated bibliography to gain a deep understanding of the subject matter and its relevance/application to today's society. Additionally, through participation in cultural events and activities students will be given the opportunity to reflect on the value of a liberal arts education. 4 credits

LS-211 Aquinas Program Project II

This course aims to instill foundational knowledge on scholarship and research. It is the second part of the Aquinas Scholars program. This semester will culminate in a final research paper and presentation to the college. Additionally, through participation in cultural events and activities students will be given the opportunity to reflect on the value of a liberal arts education. 4 credits

LS-380 Internship

Students undertake a significant experiential learning opportunity, typically with a company, non-profit, governmental, or community-based organization. The internship represents an educational strategy that links classroom learning and student interest with the acquisition of knowledge in an applied work setting. Through direct observation, reflection and evaluation, students gain an understanding of the internship site's work, mission, and audience, how these potentially relate to their academic study, as well as the organization's position in the broader industry or field. 3 credits

LS-390 Independent Study

In this course, the student will, under the supervision of the program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. Writing Intensive Designation: Major. 3 credits

Management (MG)

MG-131 Principles of Management

Students are introduced to the basic functions of planning, organizing, leading, and controlling the organization effectively and efficiently. Additional topics include social responsibility of the organization, decision-making, interpersonal skills, and organizational change. 3 credits

MG-142 Introduction to Project Management

This course will introduce students to the principles, practices, and techniques of project management. Students will be provided with entry-level information on each knowledge area of the Project Management Book of Knowledge. Topics covered include project planning, scheduling, budgeting, risk analysis, stakeholder engagement, quality control, procurement, managing project work, and project termination. This course will also introduce students to a variety of project management software frameworks. 3 credits

MG-217 Shakespeare for Business Managers

In this course, students will close read several Shakespeare plays in tandem with Harvard Business School case studies focusing on the characters who tell us something about how to manage people, organizations, risk, and strategy. Shakespeare's characters, from Claudius to Portia; from Richard II to Henry V are great storytellers. Their stories will help us explore the art of persuasion, abuse of power, ethics, the role of mavericks, negotiation, crisis management, risk analysis, and how leaders truly build and motivate teams. 3 credits

MG-228 International Business Management

Students analyze foreign environment elements and the role of each element as firms select market entry options. Specific emphasis is given to ethical strategic planning of human resources, marketing, finance, and the relationship between the corporation and its host country in establishing the international business operations. P: MG 131. 3 credits

MG-231 Principles of Marketing

This course introduces students to common methods of planning and implementing decisions with respect to product, price, promotion, and channels of distribution, as organizations strive to satisfy the needs and wants of the market while achieving the goals of the organization in a dynamic environment. 3 credits

MG-235 Healthcare Management

Students are introduced to the various types of healthcare facilities and the vital role of utilizing people effectively to meet the organizational objectives. The course emphasizes the managerial functions of planning, organizing, leading, and controlling in the healthcare environment. P: MG 131. 3 credits

MG-240 Social Entrepreneurship

This course focuses on social entrepreneurship, including for benefit business formation and the idea of a b-corp, grant-writing, and the values-based pitch. Students develop an idea for a nonprofit or mission-based enterprise, and learn to use social impact as a success metric. 3 credits

MG-241 Marketing Research and Strategy

This course will utilize marketing research tools, processes, and results to assist managers, particularly marketing managers, in the decision-making process as it relates to developing a cohesive marketing strategy for a particular market and/or business. It will also examine the critical relationship between research and the function of market planning and overall business strategy. A strong Internet focus allows students to gather market research data efficiently and effectively. Topics include research design, sampling methods, collecting both primary data (via questionnaires, interviews, and focus groups) and secondary data, interpreting data, and presenting results. P: MG 231. 3 credits

MG-251 Special Topics

Selected topic studied in-depth within a Management frame of reference. 3 credits

MG-255 Sourcing and Operations

This course provides an overview of sourcing and operations. It is divided into two parts. In the first part, students will learn the key components of sourcing: supplier selection, supplier segmentation, make vs buy decisions and supplier relationships. In the second part, students will learn both the Lean Inventory methodology and the Six Sigma

methodology. This will allow them to improve supply chain operations. Students will have the opportunity to apply this knowledge to a product of their choosing. Lastly the course will be supplemented by guest lecturers who have significant experience in supply chain management. 3 credits

MG-261 Project Planning

This course provides students with a deep understanding of project planning. Projects are a series of tradeoffs between scope, cost, and time. Students will learn how to balance them in order to create a plan which is realistic and achievable. Students will also learn how to leverage resources, and how to manage risk, quality, and stakeholder expectations to ensure project success. P: MG 142. 3 credits

MG-270 Moral Leadership: Defining the Character of Individuals in Organizations

Students will explore two important and related topics: leadership and ethics in business. Questions that will be explored include: What is business leadership? Does it have an impact on organizational performance? Where are leaders in organizations and what are their roles? What roles do leaders play in shaping the culture of right and wrong within the organization? 3 credits

MG-308 Ethical Issues in Healthcare

From biomedical research to clinical practice to policy and planning, healthcare managers face ethical issues in every aspect of their work. In this course, students explore their own values and moral principles in relation to healthcare; consider various professional codes of ethics; and apply systematic approaches to ethical decision-making to cases related to healthcare access; client self-determination; privacy; cultural and religious diversity; and the economics of the healthcare system. Writing Intensive Designation: Major. 3 credits

MG-309 Business Ethics

This course will examine ethical issues in the business world from both theoretical and applied points of view. Students will learn to use ethical theories to analyze and explain contemporary business conditions and current events. Students will be asked to define their responsibilities as an individual and as part of a group in a variety of domestic and global business settings. The focus will be on developing informed responses to the needs of a variety of stakeholders in making ethically-sound business decisions. Throughout the course, students will be required to demonstrate effective communication skills, both oral and written. 3 credits

MG-311 Introduction to Public Health

The public health system is charged with assessing and promoting the health of communities and diverse populations. This course introduces the core public health disciplines of epidemiology, biostatistics, environmental health, social and behavioral health, and health policy and management. Students explore historical and contemporary

public health approaches to promoting healthy behaviors; responding to emerging diseases; identifying environmental risk factors; preparing for and managing disasters; and alleviating health disparities across populations. 3 credits

MG-312 Global Health

Global Health examines the socioeconomic, biological and environmental causes and the consequences of disease. In an increasingly interconnected world, students consider the impact of infectious diseases; poverty and hunger; violence and war; environmental disruption; natural disasters and humanitarian crises for local and global health and wellbeing. Students explore their possible roles in solving global health crises, such as promoting human rights; applying new technologies; and financing and managing international agencies, NGOs, philanthropy, and emerging public and private healthcare systems. 3 credits

MG-315 Nonprofit Fundraising and Introduction to Foundation Grant Writing

Through this course, students will gain insight into best practices in nonprofit fundraising, including an introduction into the world of foundation grant writing. Topics covered include: history of charitable giving, rationale for donor giving, legal and organizational aspects of a nonprofit corporation, Internal Revenue Code requirements related to charitable giving, creating a plan of development, creating a case statement, the donor cycle, and an introduction to private foundation grant research, writing, and submission. The course generally includes an experiential component in which students prepare and submit a grant application to a local foundation. 3 credits

MG-320 Product Development

In this course, students will experience a "hands-on" practical application of researching and developing a product from idea generation through the various stages to commercial introduction. Management and control of the product through the product cycle will be discussed as well as an examination of product successes and failures. P: MG 231. 3 credits

MG-322 Promotional Marketing

This course allows students to experience designing, managing, and evaluating an organization's promotion program: advertising, sale promotion, personal selling, and publicity. Students create complete promotion programs for a product and a service and analyze the integration of the promotional elements as well as examine the influence the 4P's have on their promotional decisions. P: MG 231. 3 credits

MG-328 International Marketing

This course teaches students to conduct a strategic analysis of world markets in terms of their respective cultural, economic, political, financial, legal, and competitive forces to determine various entry options available to multinational companies. Development of

the particular marketing strategy and the 4 P's in the international arena will be explored. P: MG 231. 3 credits

MG-329 Global Issues

This course introduces students to the concept of culture and allows them to discover how aspects of culture have formed who they are and how cultural value orientations drive assumptions and behaviors in ourselves and in others. Globalization, one of the most debated topics in social sciences, will be discussed and analyzed. Current and critical global business issues will be analyzed from a variety of viewpoints. General Education: Languages & Cultures. 3 credits

MG-335 Human Resource Law

In this course students examine the American labor force, the laws and regulations that protect it, and the federal agencies involved in enhancing worker's rights. Union structure, operation, and relations will be discussed as well as employee relations in non-union organizations and in the public section. 3 credits

MG-336 Healthcare Law

An examination of the laws and regulations which protect and govern healthcare facilities and programs. Special attention is paid to the rights and protection afforded to users of healthcare facilities. 3 credits

MG-337 Human Resource Recruiting and Selection

This course introduces the student to the importance of planning and conducting a needs assessment for effective and efficient recruiting. Students will also examine how and where to recruit, as well as the legal aspects of gathering a pool of potential candidates. Students will also learn the techniques of screening candidates to acquire those who best fit the organization's needs. The course is a combination of theory and practical application. P: MG 362. 3 credits

MG-339 International Human Resource Management

Students will study the vital role of utilizing people effectively to meet the multinational corporation's foreign country objectives. Topics include planning personnel needs, recruiting and selecting employees, training and developing the workforce, performance evaluation, compensation in the foreign country, as well as the foreign legal and social context in which human resource management must operate. P: MG 362. 3 credits

MG-348 Data Analysis for Healthcare Managers

In this course, students will be introduced to the analytic tools needed to understand and assess the data collected by healthcare organizations. Students will learn how various healthcare data sets are constructed and utilized by healthcare managers for efficient and effective decision-making. The students will apply these techniques and interpret case study data. 3 credits

MG-350 Forecasting and Logistics

This course provides a broad overview of the planning and execution of customer demand. It is divided into two parts: forecasting and logistics. In the first segment, we cover the three major building blocks of logistics networks: transportation, warehousing, and inventory. After completing this section, you will be able to differentiate the advantages and disadvantages of different modes of transportation and understand what goes into designing and setting up a warehousing facility. In the second segment, we cover planning and forecasting. You will master different forecasting techniques essential for building a sales forecast and build the tools and techniques to analyze demand data and construct different forecasting techniques. 3 credits

MG-362 Human Resource Management

In this course, students study the vital role of utilizing people effectively to meet organizational objectives. Topics include planning personnel needs, recruiting and selecting employees, training and developing the workforce, performance evaluation, compensation, and the legal and social context in which human resource management must operate. P: MG 131. 3 credits

MG-365 Issues of Small and Family Business

This course introduces students to the issues that confront small and family businesses, and explores how to create a new small business. The study of small businesses allows students to study organizations in a more holistic manner. P: MG 131, MG 231, AC 161. 3 credits

MG-367 Strategic Management

Students will analyze the concepts and formulation of business strategy in the complete business environment. Roles and actions of top management in developing and implementing policy and strategy will be examined and analyzed in diverse industries, various types and sizes of organizations, and in a variety of situations. P: MG 131. 3 credits

MG-370 Project Execution, Monitoring & Control, Implementation & Closure

This course will prepare students for the unforeseen challenges and changing priorities that accompany any project. Students will be exposed to the various ways a manager can promote trust and conviction in processes and personnel. Students will also learn project execution, monitoring / control, implementation / handover, DevOps, and project closure techniques. P: MG 142, MG 261. 3 credits

MG-380 Management Internship

This is a field-based course in which students gain on-site employment experience in a local business establishment for 120 contact hours per 3 credits. The student is responsible for maintaining an integrative journal and completing other academic

requirements. A student may repeat this course only once, and the second internship must be in a different place of employment. P: 12 credits in management. 3-12 credits

MG-382 Entrepreneurship Internship

In this supervised internship, students work to develop their business idea into an actual business operation or business plan, using the college's co-working space or an outside co-working space as their base of operations. P: 12 credits in management. 3-12 credits

MG-383 Healthcare Management Internship

This is a field-based course in which students gain on-site employment experience in a local healthcare or healthcare-related business for 120 contact hours per 3 credits. The student is responsible for maintaining an integrative journal and completing other academic requirements. A student may repeat this course only once, and the second internship must be in a different place of employment. P: 12 credits in management. 3-12 credits

MG-389 Directed Readings in Management and Leadership

This course will be a common, but directed read and discussion of a selected texts that offer management and leadership lessons for contemporary business operations. Each week, students will be introduced to moral, political, even metaphysical ideas that can help guide the management of organizations that consist of human beings who come together to achieve a shared set of objectives. Through a close reading of original texts---and not books about or excerpts of---those texts, students will become (hopefully) more careful readers, more effective communicators, and more leaders with a genuine sense of self awareness. P: Junior or senior status. Instructor approval. 3 credits

MG-390 Independent Study

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

MG-391 Business Capstone

The objective of this capstone course is to provide the student with the opportunity to integrate knowledge gained from all other business courses through the analysis of case studies and simulations. Students learn to formulate strategic decisions that guide the future direction of the organization. P: Senior standing and completion of AC 161, BE 205, MG 131, MG 231, and 5 courses in the student's concentration. Writing Intensive Designation: Major. 3 credits

MG-391W Business Capstone

The objective of this capstone course is to provide the student with the opportunity to integrate knowledge gained from all other business courses through the analysis of case studies and simulations. Students learn to formulate strategic decisions that guide the future direction of the organization. P: Senior standing and completion of AC 161, BE 205, MG 131, MG 231, and 5 courses in the student's concentration. 3 credits

MG-392 Healthcare Management Capstone

This capstone course is designed to integrate knowledge and skills from previous coursework and field experiences. Focus will be on key issues impacting the management of today's healthcare organizations and students will develop an individual research project that explores how those issues impact the delivery of care. The extent and format of the project will be agreed upon with the instructor. Students will present their findings to the class at the end of the course. P: MG 348. 3 credits

Mathematics (MA)

MA-100 Introduction to College Math

This course will teach students the skills necessary for further study in most disciplines and includes the algebra necessary for the next level of mathematics courses. Students will be encouraged to reason mathematically, so that they can enhance their abilities to learn mathematics. 3 credits

MA-111 Mathematical Ideas

Various mathematical concepts (e.g., graphs, probability) will be discussed for their own sake and as applied to concrete problems. Connections between various parts of mathematics will be stressed when feasible. P: MA 100 or its equivalent. General Education: Mathematics. 3 credits

MA-116 College Mathematics

A course in college mathematics including mathematical applications of solving equations and inequalities, linear programming, probability and combinatorics, as well as exponents. P: MA 100 or its equivalent. General Education: Mathematics. 3 credits

MA-117 Biostatistics: Math for Healthcare

This course introduces the application of statistical techniques to the biological and health sciences. Topics include data collection and presentation, numerical descriptive measures, probability rules, random variables, probability distributions, the central limit theorem, sampling distributions, confidence interval estimation, hypothesis testing, and regression. P: MA 100 or its equivalent. 3 credits

MA-120 Pre-Calculus

For students who require review and extension of mathematical background before undertaking the more advanced calculus courses. Topics include numbers, functions, graphing, exponential functions, logarithmic functions, and trigonometry. P: MA 100 or its equivalent. General Education: Mathematics. 3 credits

MA-121 Calculus I

Presentation of the fundamental concepts of functions, limits, and differential calculus with an introduction to integral calculus. Techniques and applications of differentiation and calculating areas as limits are explored. Serves as a first course for mathematics and science majors. P: MA 120, its equivalent or permission of the instructor. General Education: Mathematics. 4 credits

MA-122 Calculus II

Further extensive study of the fundamental concepts of differential and integral calculus. Topics include logarithmic, exponential and trigonometric functions, integration techniques, applications of the definite integral, and infinite series. P: Minimum grade of C- in MA 121 or its equivalent. General Education: Mathematics. 4 credits

MA-215 Differential Equations

An intermediate follow-on course to the calculus sequence building on much of that subject matter and hence highlighting the use and importance of calculus. The course is designed to develop a tool kit of solution techniques which can be used to solve ordinary differential equations including first order equations and higher order linear equations. Topics include first order equations, higher order linear equations, Laplace transforms, systems of equations, power series solutions, numerical methods, and practical applications to science. P: Minimum grade of C- in MA 122. 3 credits

MA-230 History of Mathematics

A study of dominant trends in the historical development of mathematics. Study of the growth of various branches of mathematics will be supplemented by historical background material, biographies of mathematicians, and translations of original sources. P: Minimum grade of C- in MA 111, MA 116, MA 120 or MA 121. Writing Intensive Designation: Major. 3 credits

MA-232 Advanced Calculus

Continuation of MA 121 and MA 122 leading to an introduction to differential and integral calculus for functions of several variables. Topics include infinite series, vectors, vector functions, surfaces in three-dimensional space, partial differentiation, multiple integration, and vector calculus, implicit function theorem, and Green's and Stokes' Theorems. P: Minimum grade of C- in MA 121, MA 122. 4 credits

MA-233 Linear Algebra

The study of mathematical systems with emphasis on vector spaces, linear transformations, and matrices including geometric interpretations and applications. Topics include systems of linear equations, vector spaces, linear mappings, determinants, and eigenvalue problems. P: Minimum grade of C- in MA 121. 3 credits

MA-242 Linear Optimization

An introduction to the application of linear mathematical models used for optimization and to support decision-making processes. Emphasis will be on formulating mathematical models of various problems encountered by decision-makers, developing and solving spreadsheet models, and interpreting their solutions. Topics include linear programming, sensitivity analysis, integer programming, network modeling, multiple objective programming, regression analysis, and time series forecasting. Computer analysis is utilized. P: Minimum grade of C- in MA 233. 3 credits

MA-315 Geometry

The study of Euclidean and non-Euclidean geometry. The history of geometry, structure of geometry, relationships between various parts of geometry, relationships between theorems, styles, and techniques of proofs will be studied. P: Minimum grade of C- in MA 233. 3 credits

MA-345 Probability

The basic concepts of probability will be covered to form the foundation for statistical methods and applications. Topics include data collection and presentation, numerical descriptive measures, probability rules, discrete and continuous random variables, probability distributions, the central limit theorem, sampling distributions, and confidence interval estimation. P: Minimum grade of C- in MA 120 or MA 121. 3 credits

MA-351 Statistical Methods

A mathematical development of statistical procedures that builds upon the topics covered in probability and introduces concepts of estimation, confidence intervals, hypotheses testing, contingency tables, goodness of fit, analysis of variance, correlation, regression, nonparametric methods and their applications. Emphasis is on practical applications of the statistical methods using statistical software. P: Minimum grade of C- in MA 345. 3 credits

MA-391 Senior Seminar

Topics may vary. Typically, a topic will be chosen that pulls together previous courses, e.g., Differential equations (calculus & linear algebra). P: Minimum grade of C- in MA 122, MA 233. 3 credits

Music (MU)

MU-111 Introduction to Music

Discussion and demonstration of music as a means of emotional expression and communication throughout various historical eras. The course deals first with musical basics such as instruments of the orchestra, elementary theory, musical structure, and syntax. These skills will then be applied to a deepened understanding of the evolution of musical styles from the Renaissance to the present with class and outside-of-class listening to recordings of representative masterworks. General Education: Fine Arts. 3 credits

MU-112 Fundamentals of Music

This beginning course in music theory will focus on understanding and applying fundamental concepts of music. Pitch and rhythm notation, scales and key signatures, intervals, and triads will all be covered as the basic knowledge needed to understand music. General Education: Fine Arts. 3 credits

MU-122 Chorus I

Albertus Magnus' primary vocal ensemble; Chorus performs for campus liturgies, ceremonies, and concerts, in musical styles from classical to pop. 1 credit

MU-123 Chorus II

Albertus Magnus' primary vocal ensemble; Chorus performs for campus liturgies, ceremonies, and concerts, in musical styles from classical to pop. 1 credit

MU-190 Independent Study

In this course, the student will, under the supervision of the department chair/program director, explore special interests in music study outside the scope of existing courses. 1-12 credits

MU-212 Jazz: The American Heritage

Historical and aural examination of America's indigenous music. This course will trace the genesis of the early New Orleans style of Jazz, listen to work songs and blues, and follow the musical changes to the present. General Education: Fine Arts. 3 credits

MU-255 Special Topics

Selected topic studied in-depth within a musical frame of reference. 3 credits

MU-290 Independent Study

In this course, the student will, under the supervision of the department chair/program director, explore special interests in music study outside the scope of existing courses. 1-12 credits

MU-390 Independent Study

In this course, the student will, under the supervision of the department chair/program director, explore special interests in music study outside the scope of existing courses. 1-12 credits

Nursing (NR)

NR-170 Certified Nursing Assistant (CNA) Hybrid Course

This course provides students with the foundational knowledge and practical skills necessary to become a Certified Nursing Assistant (CNA). Through a combination of online modules and clinical rotations at our partner clinical site, students will learn essential patient care techniques, including assisting with daily living activities, monitoring vital signs, and providing mobility support. The course emphasizes hands-on experience in a healthcare setting, preparing students for certification and immediate employment in a variety of clinical environments. Upon successful completion, students will be eligible to take the CNA certification exam. To promote the professional image of nursing, a dress code is in place for the safety, comfort, and asepsis needs of the client and student. Therefore, each student is required to purchase and wear scrubs. Space is limited to 8 students. 3 credits

NR-213L Health Assessment Laboratory

This hands-on course focuses on nursing health assessment skills that include obtaining a client health history, vital signs, documentation, and a full head-to-toe assessment for the purpose of reducing the likelihood that clients will develop or exacerbate health problems. P: Acceptance into the Nursing Program. 2 credits

NR-223 Foundational Nursing

Didactic instruction about the importance of comfort, basic nursing care, and the performance of activities of daily living is linked with direct nursing care and simulation experiences. To be taken in conjunction with NR 223C. P: Acceptance into the Nursing Program. 3 credits

NR-223C Foundational Nursing Clinical

Didactic instruction about the importance of comfort, basic nursing care, and the performance of activities of daily living is linked with direct nursing care and simulation experiences. To be taken in conjunction with NR 223. P: Acceptance into the Nursing Program. Pass/No Pass only. 3 credits

NR-224T Transition LPN-to-BSN

The Transition to Professional Nursing Practice course is designed for Licensed Practical Nurses (LPNs) transitioning to a Bachelor of Science in Nursing (BSN) degree program. This intensive and comprehensive course provides a robust foundation in fundamental nursing concepts, skills, and professional responsibilities necessary for successful

integration into the BSN program. Emphasizing critical thinking, evidence-based practice, and ethical decision-making, this course equips LPNs with the knowledge and skills required to excel in complex healthcare environments. P: Acceptance into the Nursing Program. 3 credits.

NR-226L Nursing Skills Laboratory

This hands-on course focuses on essential nursing skills with an emphasis on protecting clients and health care personnel from health and environmental hazards by employing established and emerging principles of safety, enhanced quality care, and minimizing risk of infection. P: NR 213L, NR 223. 2 credits

NR-237 Community Nursing

Didactic instruction about community health is linked with direct nursing care experiences within the outpatient, clinic, public health sectors, or local government entities for the improvement of equitable population health outcomes by responding to a complex system of health care. To be taken in conjunction with NR 237C. P: NR 213L, NR 223, NR 223C. 3 credits

NR-237C Community Nursing Clinical

Didactic instruction about community health is linked with direct nursing care experiences within the outpatient, clinic, public health sectors, or local government entities for the improvement of equitable population health outcomes by responding to a complex system of health care. To be taken in conjunction with NR 237. P: NR 213L, NR 223, NR 223C. Pass/No Pass only. 3 credits

NR-243 Nursing Informatics

Information and communication technologies are the focus of this didactic course as they are utilized to provide care, gather data, drive decision making, and support health professionals with a focus on the delivery of safe, high-quality, and efficient health care services in accordance with best practice, professional, and regulatory standards. P: NR 213L, NR 223. 3 credits

NR-251 Special Topics in Nursing

Selected topic studied in-depth within a Nursing frame of reference. P: Permission of Nursing Program Director. 3 credits

NR-256 Mental Health

Didactic instruction regarding acute and chronic mental illness is linked with direct mental health nursing care that promotes and supports the emotional, spiritual, mental, and social well-being of the client. To be taken in conjunction with NR 256C. P: NR 226L, NR 237, NR 237C, NR 243. 3 credits

NR-256C Mental Health Clinical

Didactic instruction regarding acute and chronic mental illness is linked with direct mental health nursing care that promotes and supports the emotional, spiritual, mental, and social well-being of the client. To be taken in conjunction with NR 256 or NR 256T. P: NR 226L, NR 237, NR 237C, NR 243. Pass/No Pass only. 3 credits

NR-256T Transition Mental Health

This comprehensive course is designed for Licensed Practical Nurses (LPNs) transitioning towards a Bachelor of Science in Nursing (BSN) degree, with a special focus on the complexities of mental health care. The course emphasizes the integration of theoretical principles with clinical practice, underscoring the importance of evidence-based interventions, critical thinking, and pharmacological understanding in addressing the unique challenges of mental health care. Learners will gain hands-on experience, applying theoretical knowledge in real-world scenarios to improve patient outcomes in mental health settings. To be taken in conjunction with NR 256C. P: NR 224T. 3 credits

NR-261 Nursing Pathophysiology

This course explores the pathophysiology behind unexpected responses, health emergencies, and metabolic imbalances to manage and provide care for clients with acute and chronic physical health conditions. P: NR 226L, NR 237, NR 243. 3 credits

NR-271 Medical-Surgical Nursing I

Didactic instruction about disease prevention and management is linked with direct nursing care and simulated experiences of adult clients with chronic diseases for the prevention of negative sequelae; regenerative or restorative care, which includes complex acute care, exacerbations of chronic conditions, and treatment of physiologically unstable clients. To be taken in conjunction with NR 271C. P: NR 256, NR 256C, NR 261. 3 credits

NR-271C Medical-Surgical Nursing I Clinical

Didactic instruction about disease prevention and management is linked with direct nursing care and simulated experiences of adult clients with chronic diseases for the prevention of negative sequelae; regenerative or restorative care, which includes complex acute care, exacerbations of chronic conditions, and treatment of physiologically unstable clients. To be taken in conjunction with NR 271 or NR 271T. P: NR 256 or NR 256T, NR 256C, NR 261. Pass/No Pass only. 3 credits

NR-271T Transition Medical-Surgical Nursing I

This course is specifically tailored for Licensed Practical Nurses (LPNs) transitioning to a Bachelor of Science in Nursing (BSN) degree, focusing on advanced knowledge and skills required for managing adult patients in acute and chronic care settings. The course integrates theoretical foundations with practical applications, emphasizing evidence-

based practices, critical thinking, pharmacology, and leadership skills in complex healthcare scenarios. To be taken in conjunction with NR 271C. P: NR 256T. 3 credits

NR-282 Nursing Pharmacology

The focus is safe administration of medications and parenteral therapies across the lifespan. This didactic course also offers practical application of medication mathematics. P: NR 256, NR 261. 4 credits

NR-327 Maternal Child Nursing Care

Didactic instruction about reproduction across the lifespan and pediatric health is linked with direct nursing care and/or simulated experiences focusing on childbearing and pediatric development and nursing care. To be taken in conjunction with NR-327C. P: NR 271, NR 271C, NR 282. 3 credits

NR-327C Maternal Child Nursing Care Clinical

Didactic instruction about reproduction across the lifespan and pediatric health is linked with direct nursing care and/or simulated experiences focusing on childbearing and pediatric development and nursing care. To be taken in conjunction with NR 327. P: NR 271, NR 271C, NR 282. Pass/No Pass only. 3 credits

NR-338 Evidenced-Based Practice with Nursing Research

This research class introduces synthesis, translation, application, and value of dissemination of nursing knowledge to improve health and transform health care. Students discover evidenced-based research and plan for a practical application. P: NR 271, NR 282. Writing Intensive Designation: Major. 3 credits

NR-350 Medical-Surgical Nursing II

Adult Medical Surgical Nursing II builds upon the foundational knowledge from Adult Medical Surgical Nursing I and focuses on complex medical-surgical nursing care concepts. Emphasis is placed on critical thinking, clinical reasoning and clinical judgement, and evidence-based practice in the management of adults with acute and chronic health conditions. P: NR 271 or NR 271T, NR 271C, NR 282. 3 credits

NR-350C Medical-Surgical Nursing II Clinical

Adult Medical Surgical Nursing II builds upon the foundational knowledge from Adult Medical Surgical Nursing I and focuses on complex medical-surgical nursing care concepts. Emphasis is placed on critical thinking, clinical reasoning and clinical judgement, and evidence-based practice in the management of adults with acute and chronic health conditions. P: NR 271 or NR 271T, NR 271C, NR 282. Pass/No Pass only. 3 credits

NR-375 Professional Nursing Practice

Didactic instruction about cultivation of a sustainable professional nursing identity, accountability, leadership, collaborative disposition, and comporment that reflects nursing values is linked with direct nursing care experiences in a variety of health care settings. To be taken in conjunction with NR 375C. P: NR 327, NR 327C, NR 338, NR 350. 3 credits

NR-375C Professional Nursing Practice Clinical

Didactic instruction about cultivation of a sustainable professional nursing identity, accountability, leadership, collaborative disposition, and comporment that reflects nursing values is linked with direct nursing care experiences in a variety of health care settings. To be taken in conjunction with NR 375. P: NR 327, NR 327C, NR 338, NR 350. Pass/No Pass only. 3 credits

NR-391 Nursing Leadership

This didactic course prioritizes nursing student self-reflection to foster personal health, resilience, and well-being, lifelong learning, and supports the acquisition of nursing expertise. Students obtain the skills of delegation, conflict resolution, and prioritization in this course as well. P: NR 327, NR 338, NR 350. 4 credits

Philosophy (PH)

PH-111 Critical Reasoning

Today perhaps more than ever, we need to be able to assess the claims and arguments we encounter on our media landscape. What makes an argument strong, or weak? How can rhetoric make an argument more compelling, or be used to hide flaws in an argument? In this course, students acquire the tools to assess the claims and arguments of others and build strong arguments for their own views. We skirt the complexities of formal, symbolic logic and dive into the "art" of critical reasoning. General Education: Philosophy. 3 credits.

PH-211 Ancient Greek Thought

A survey of ancient Greek thought, especially as represented by Socrates, Plato, and Aristotle. We begin from the pre-Socratics: Thales, Anaximander, Anaximenes, Pythagorus, Heraclitus, and Parmenides. We then turn to Socrates, as portrayed in Plato's Apology and other dialogue, and look at how Plato, a student of Socrates, developed his teacher's way of thinking. On this basis we turn to the work of Aristotle, a student of Plato, including readings from his Nicomachean Ethics and Politics. General Education: Philosophy. 3 credits

PH-224 Modern Philosophy

This course explores the impact that the development of the modern world, including the scientific revolution, the building of nation states, and the exploration of the natural

world, has had on shaping our understanding of ourselves and our capacity to know and appreciate the world(s) in which we live. By drawing on the work of prominent modern philosophers, students will endeavor to understand and critically evaluate the modern understanding of the self and its place in the world. General Education: Philosophy. 3 credits

PH-225 Contemporary Philosophy

If the modern period was one of optimism in which people came to believe that through the use of reason and the advances of science it would be possible to build a better world, the postmodern age is one in which such dreams are viewed with skepticism. On the other hand, we find in postmodernity an invitation to think differently and to thereby discover new ways of being in the world and with one another. This course provides an opportunity to explore these new paths of thinking by drawing upon the works of such 19th and 20th century thinkers as Nietzsche, Marx, Kuhn, Heidegger, Foucault, Butler, and Irigaray, thinkers who encourage us to reappraise human beings' relation to themselves, nature, society, and the divine. General Education: Philosophy. 3 credits

PH-235 Black Radical Thought

How has philosophy shaped struggles for black liberation? This course surveys several currents of intellectual and political activity aimed at forms of the black struggle for liberation that lie outside of the political mainstream. Students are first introduced to the philosophies of G.W.F. Hegel and Karl Marx. Then, they trace the way this tradition's themes have served as both an important influence and a point of contestation in the writings of 20th- and 21st-century black writers, activists, and movements. Examples include W.E.B. DuBois, Aime Cesaire, C. L. R. James, Martin Luther King, Jr., Frantz Fanon, Angela Y. Davis, black and Third World feminisms, black nationalism, the black power movement, pan-Africanism, the Women of Color movement, black labor movements, black socialism, Black Lives Matter, and the prison abolition movement. General Education Pathway: Politics, Philosophy, and Economics - Humanities. 3 credits

PH-237 Capitalism and Society

How does capitalism promote the principles of freedom and equal dignity that define a democratic society? How does it organize relations between labor, capital, and governments? In this course, students learn about the origins of the capitalist system in Europe and its global diffusion through the system of European colonialism. Through primary texts, they become familiar with historical debates among political philosophers from the 17th-century to today about the advantages and disadvantages of capitalism (John Locke, Adam Smith, Thomas Malthus, Karl Marx, Friedrich Hayek, John Maynard Keynes, Milton Friedman, Joseph Stiglitz, David Harvey, and others). Then, they trace the influence of these debates on approaches to contemporary social, political, and economic issues such as inequality, poverty, global economic development, race, the women's movement, housing, economic migration, indigenous sovereignty struggles, neoliberalism, neoimperialism, climate change, and labor trends. General Education Pathway: Politics, Philosophy, Economics - Humanities. 3 credits

PH-251 Special Topics

Selected topic studied in-depth within a philosophical frame of reference. 3 credits

PH-276 Housing and the Right to the City

"Housing and the Right to the City" examines the complexities of housing in urban environments. This course offers a dynamic exploration of the critical issues surrounding housing, shedding light on why it matters for diverse populations and delving into the complex web of challenges and solutions. From the nuanced examination of homelessness, including LGBTQ homelessness, to dissecting racial discrimination in housing, students will engage with timely and essential topics for understanding social justice. The course navigates the landscape of US affordable housing policies, critically assessing their impact and exploring potential avenues for reform. By investigating the proactive role of cities in shaping housing outcomes through zoning, transportation, and planning and by studying grassroots initiatives championed by communities, students will develop a comprehensive understanding of the multifaceted nature of housing in urban spaces. The purpose of the course is to empower students to actively contribute to creating inclusive, equitable, and thriving urban environments. General Education: Philosophy. 3 credits

PH-315 Environmental Ethics

How do we best understand humanity's relationship to the environment, and what actions and policies should follow from that understanding? This course will focus on the responses of various ethical traditions and will consider ways that traditional anthropology and cosmology and even theology are being transformed in response to perceived environmental degradation. General Education: Philosophy. 3 credits

PH-321 Modern Art and Architecture

This course introduces students to the Modernist movement in art and architecture and the currents that came after it. Capitalizing on our proximity to fine examples of Modern art and architecture in New Haven, students are given opportunities to learn beyond the classroom. Visual art movements covered include impressionism, expressionism, Dada, surrealism, abstract expressionism, pop art, conceptual art, minimalism, Earthwork, site-specific art, and video art. In architecture, students become acquainted with Le Corbusier, Frank Lloyd Wright, the Bauhaus, the International Style, Postmodern innovators from Phillip Johnson and Frank Gehry, and recent artists who cross boundaries between art and architecture, such as Olalekan Jeyifous and Patricia Johanson. Aesthetic tropes are examined and evaluated, including realism, disorder, fragmentation, the sublime, irony, pastiche, surface, depth, ruins, and everydayness. As an interdisciplinary course bridging Art History and Philosophy students are also introduced to theorists of art, culture, and architecture who have not only observed these movements but in some cases shaped them. They range from Charles Baudelaire and Freidrich Nietzsche to Theodor Adorno, Walter Benjamin, Roland Barthes, Susan Sontag, Frederic Jameson, Jean Baudrillard,

Jean Francois Lyotard, Robert Venturi, Charles Jencks, and others. General Education: Philosophy. 3 credits

PH-321W Modern Art and Architecture

This course introduces students to the Modernist movement in art and architecture and the currents that came after it. Capitalizing on our proximity to fine examples of Modern art and architecture in New Haven, students are given opportunities to learn beyond the classroom. Visual art movements covered include impressionism, expressionism, Dada, surrealism, abstract expressionism, pop art, conceptual art, minimalism, Earthwork, site-specific art, and video art. In architecture, students become acquainted with Le Corbusier, Frank Lloyd Wright, the Bauhaus, the International Style, Postmodern innovators from Phillip Johnson and Frank Gehry, and recent artists who cross boundaries between art and architecture, such as Olalekan Jeyifous and Patricia Johanson. Aesthetic tropes are examined and evaluated, including realism, disorder, fragmentation, the sublime, irony, pastiche, surface, depth, ruins, and everydayness. As an interdisciplinary course bridging Art History and Philosophy students are also introduced to theorists of art, culture, and architecture who have not only observed these movements but in some cases shaped them. They range from Charles Baudelaire and Freidrich Nietzsche to Theodor Adorno, Walter Benjamin, Roland Barthes, Susan Sontag, Frederic Jameson, Jean Baudrillard, Jean Francois Lyotard, Robert Venturi, Charles Jencks, and others. 3 credits

PH-351 Special Topics

Selected topic studied in-depth within a philosophical frame of reference. 3 credits

PH-352 Approaches to Global Justice

In this course, students become familiar with theories of global justice inspired by John Stuart Mill, Immanuel Kant, John Rawls, and others. In addition to classic texts, they read contemporary scholarship in political philosophy, ethics, and economics that engages such issues as global poverty, immigration, inequality, climate change, war, refugees, religious conflict, and nation-state conflict. Students learn to evaluate and apply different approaches to these issues. General Education: Philosophy. 3 credits

PH-390 Independent Study

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

PH-393 Final Project I

A project-based capstone project consisting of one semester/module of research (PH/RS 393) and one semester/module consisting of writing (PH/RS 394). Both stages of the project must be conducted under the supervision of a faculty member in the department. 3 credits

PH-394 Final Project II

A project-based capstone project consisting of one semester/module of research (PH/RS 393) and one semester/module consisting of writing (PH/RS 394). Both stages of the project must be conducted under the supervision of a faculty member in the department. Writing Intensive Designation: Major. 3 credits

Physical Education (PE)

PE-101 Special Topics

Selected topic studied in-depth within a Physical Education frame of reference. 1-3 credits

PE-96DD Weight Training

This course is designed to give proper instruction to those students interested in the development of strength and general conditioning. Various equipment will be used in the development of a personalized weight-training program for each student. The course also teaches lifetime recreational team activities. .5 credit

PE-96V Swim to Be Fit I

A course designed to improve body fitness through structural swimming activities. .5 credit

PE-96VV Swim to Be Fit II

A course utilizing structural swimming activities to increase body fitness and improve movement in the water. Aquatic exercises aimed to lessen body fat and improve physical well being. .5 credit

Physical Science (SC)

SC-105 Science Topics

This is a non-majors course designed to study and discuss areas of current scientific interest. Topics will vary and may include the environment, health & disease issues, human genetics, biotechnology, and the chemistry or physics of everyday phenomena. Students will gain an understanding of the scientific method along with techniques in data analysis and presentation. General Education: Science. 3 credits

SC-108 Frontiers of Science

This is a non-majors course that introduces general principles of biology through the examination of issues and concerns of current importance to the general public. Topics studied include, but are not limited to, biotechnology, genetic engineering, human health and disease. Through the exploration of highly debatable subjects, students gain an understanding of how the scientific method is applied to resolving questions and unanswered problems. General Education: Science. 3 credits.

SC-114 Nutrition for Health and Fitness: The Science of Wellness

This course provides a comprehensive introduction into the vital role nutrition plays in enhancing one's health and fitness. Throughout the course students will be exposed to current research and literature along with practical activities. Topics studied will include, but are not limited to, the basic principles of nutrition, our energy systems and energy yielding nutrients, vitamins, minerals and body weight loss/gain through proper nutrition and exercise. This course will also provide insight on nutrition for fitness as well as throughout the life cycle. General Education: Science. 3 credits

SC-118 Ecology of Long Island Sound

This is a non-majors course that introduces students to the Biology and Ecology of Long Island Sound (LIS). Topics may include the different habitats found throughout LIS, the organisms found in those habitats, current environmental issues and fundamental marine research approaches. The course may involve field trips to various LIS locations. General Education: Science. 3 credits

SC-131 General Physics I

The study of selected topics, e.g., motion, force, work, energy and thermodynamics, using algebra and trigonometry. Laboratory exercises will illustrate these principles. This course is a requirement for students preparing for teaching certification in Biology or Chemistry. To be taken in conjunction with SC 131L. P: High school physics, algebra or departmental permission. 3 credits

SC-131L General Physics I Laboratory

This course illustrates selected topics including motion, force, work, energy and thermodynamics, using algebra and trigonometry through hands-on work. To be taken in conjunction with SC 131. 3 hours. 1 credit

SC-132 General Physics II

The study of the fundamental principles of sound, electricity, magnetism, optics and atomic physics. Laboratory exercises will illustrate these principles. To be taken in conjunction with SC 132L. P: Minimum grade of C- in SC 131, SC 131L. 3 credits

SC-132L General Physics II Laboratory

This course illustrates selected topics including sound, electricity, magnetism, optics and atomic physics through hands-on work. To be taken in conjunction with SC 132. P: Minimum grade of C- in SC 131, SC-131L. 3 hours. 1 credit

SC-302 Practicum/Internship

Supervised practical experience in an external setting related to students' interest. P: Permission of Department Chair. 1-6 credits.

SC-351 Senior Science Seminar I

This is a capstone course designed to help Biology and Chemistry seniors integrate the knowledge they have obtained throughout their undergraduate studies and prepare for advancement either to employment or graduate school. Students will analyze primary scientific literature and communicate research findings from the literature. P: Senior status. 1 credit

Political Science (PO)

PO-112 American Politics and Government

American Politics and Government examines the institutions, values, and issues that define the American political community. In particular, it will focus on the ideals that continue to animate American political culture—equality, liberty, and democracy—and how these principles are and are not realized in practice. The course also covers the structure of American government, including Congress, the Presidency, the courts, and bureaucracy. General Education: Social Science. 3 credits

PO-115 Introduction to Urban Studies

Urban Studies examines urban social issues, urban planning strategies, and urban cultural movements. This course introduces to practical, historical, and theoretical approaches to the field of Urban Studies as an interdisciplinary program of study that addresses the way cities shape and are shaped by race and class, inequality, built environments and infrastructures, housing, community services, entrepreneurship, economic development, local governance, and urban art and culture. Applying knowledge of classic and contemporary texts in Urban Studies, students participate in experiential learning activities, including a class project that engages a current problem or project underway in the City of New Haven. Toward completion of the project, students visit sites in the city and meet with government officials, local non-profit directors, and community organizers. General Education: Social Science. 3 credits

PO-203 Urban Gardens Studio

In this course, students will learn how forces such as public policy, market imperatives, and global logistics affect food production and distribution. What specific challenges to food production, circulation, and consumption, emerge from urbanization and what

kind of initiatives and organizations have arisen to address these issues, and ensure adequate food for all. Service learning projects will give students first-hand exposure to the specific ways the New Haven community has worked to address these issues. Paying specific attention to urban agriculture, students will see how many urban farms make use of complex multifunctional urban spaces, forcing us to rethink the urban environment in novel ways. Lastly, the course will examine the connections between cultivated urban spaces and cultural expression and meaning, with specific attention paid to the connection between urban gardening and various diaspora communities that are found in urban environments. General Education Pathway: Mission Earth - Experiential Learning. 3 credits

PO-230 State and Local Government

This course looks at the practical workings of government at the local and state level in the United States. Particular attention will be paid to the ways in which Federalism and separation of powers has shaped politics in these areas, as well as the ways in which democracy, social movements, and political parties shape the process and outcomes of state and local government. General Education Pathway: Politics, Philosophy, Economics - Writing Intensive. 3 credits

PO-231 Constitutional Law

An introduction to the constitutional doctrines and political role of the U.S. Supreme Court, focusing on its evolving constitutional priorities and its response to basic governmental and political problems. The course examines the nature of the Constitution and various theoretical approaches to interpreting it. Special emphasis is given to close textual analysis of various Supreme Court decisions. 3 credits

PO-251 Topics in Political Science

Selected topic studied in-depth within a Political Science frame of reference. 3 credits

PO-252 Topics in Political Science

Selected topic studied in-depth within a Political Science frame of reference. 3 credits

PO-253 Topics in Political Science

Selected topic studied in-depth within a Political Science frame of reference. 3 credits

PO-257 International Relations

An introduction to the political interaction of nations and non-national actors on the global stage. The course focuses on strategies nations employ in pursuit of national security, economic development, and global influence. Attention is given both to theories of international relations such as realism, idealism, and neo-realism as well as specific case studies. 3 credits

PO-274 Modern Political Theory

An examination of Western political thought through the writings of important modern political theorists: Machiavelli, Hobbes, Locke, Rousseau, Mill, and Marx. A central focus of the course is the nature of liberalism, and the meaning of concepts such as rights, justice, freedom, equality, and democracy. 3 credits

PO-322 Politics Through Film

This course focuses on film as a medium for the presentation of political events and ideas and as a means of shaping political opinion. 3 credits

PO-325 Democracy and Its Critics

This course examines the theoretical and practical development of democracy from ancient Athens to the present by reading key thinkers and critics of democracy. Concepts to be addressed include majority rule, representation, participation, democratic citizenship, among others. Authors may include Rousseau, Marx, Dewey, Schmitt, Schumpeter, Dahl, Held, among others. General Education Pathway: Politics, Philosophy, Economics - Writing Intensive. 3 credits

PO-329 Global Social Movements

This course examines various social movements from around the world in order to better understand the underlying dynamics of these powerful driving forces in the contemporary world. The course will investigate central questions such as: Why do social movements emerge? What sustains social movements? Why do some movements succeed where others fail? General Education Pathway: Power, Equity, and Justice - Experiential Learning. 3 credits.

PO-331 Jurisprudence

This course will introduce students to competing answers to the question, "What is law?" This question may very well be the essential question we can ask ourselves as human beings. As such, searching for the best answer to that question will require us to think carefully about the relationship of law, morality, and politics. We will search for answers primarily through a close read of Plato's *Laws*, a text that poses the very question that concerns us in this course and which will enable students to assess competing theories of law. 3 credits

PO-333 Theory and Practice of Public Administration

This course offers a foundational understanding of the theory and practice of public administration, examines the roles of public administrators in all three sectors (public, non-profit, and private), and explores the various public service options beyond the public sector, such as volunteerism and advocacy. Students should think of this course as an opportunity to familiarize themselves with the principles, contemporary issues, and methods of public administration and public service. 3 credits

PO-380 Internship

Fieldwork experience initiated with permission of the Department Chair. 3-12 credits

PO-390 Independent Study

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

PO-391 Political Science Seminar

This course provides the political science major an opportunity for creative research. The goal is to expose students to the various ways of acquiring knowledge of politics and to philosophical problems involved in social inquiry, as well as to train them in the use of the scientific method. This course is required of political science majors and is to be taken either in the junior or senior year. It is open to any junior or senior social science major. Writing Intensive Designation: Major. 3 credits

Psychology (PY)

PY-111 Introduction to Psychology

Introduction to the major areas, theories, concepts, and methods of contemporary psychology. Topics may include ways of perceiving, learning, and thinking about the world; emotions; motivation; the relationship between brain events and inner experience; child development and adult personality; self-concept; attitudes toward others and behavior in social situations; stress, coping, and the diagnosis and treatment of mental disorders. Special attention will be paid to the application of scientific methods to the study of human cognition and behavior. General Education: Social Science. 3 credits

PY-133 Reasoning and Numeracy in Childhood

Examines the development of reasoning in childhood, from its beginnings in infancy through the maturation of abstract thinking in adolescence. The classic stage model proposed by Jean Piaget and his followers will be evaluated in terms of more recent research that has led to revisions in our understanding of children's cognitive abilities. Special attention will be paid to the development of quantitative reasoning, beginning with basic numeracy and progressing to more complex operations. Methods of facilitating reasoning and mathematical competence also will be considered. P: PY 111. 1.5 credits

PY-135 Special Topics

Selected topic studied in-depth within a psychological frame of reference. 1.5 credits

PY-205 Ethnic and Gender Issues in Mental Health

This course will explore the perception and interaction of cultural relevance and gender sensitivity as a necessity in case management and clinical work. Students will explore the mental health needs and norms of several ethnic groups in the United States including European, Native-American, African American, Latino/Latina, Asian American, Jewish and Arab American clients. Students will also gain an understanding of the role ethnicity and gender has in mental health and substance abuse treatment. In addition, they will examine the impact of oppression on women and other minority groups. Students will design a cultural collage and research their own ethnic, cultural and gender norms to gain a better understanding of themselves in relation to others. 3 credits

PY-210 Behavior Modification

Application of learning principles to human behavior and its modification in clinical settings, business environments, the classroom, and everyday life. Examines methods of determining the triggers for problem behaviors and the role of rewards. A number of approaches to changing old behaviors and establishing new behaviors will be discussed, such as token economies, self-monitoring, contracts, cognitive-behavioral techniques, shaping, differential reinforcement, and extinction. P: PY 111. 3 credits

PY-211 Abnormal Psychology

Psychological functioning is said to be abnormal when it is atypical and causes distress to the individual or to other members of that person's community. Viewed through a medical lens, these behaviors are regarded as signs of psychopathology (mental illness). This course provides a thorough grounding in the psychiatric diagnostic classification system, covering most of the major categories of mental disorder: anxiety, depression, schizophrenia, and more. Theories explaining the various forms of mental disorder, research findings on their social, psychological, and biological correlates, and treatment options are also considered. P: PY 111. 3 credits

PY-213 Counseling Techniques

A didactic-experiential course addressing contemporary procedures for counseling clients with emphasis on acquiring interviewing skills and understanding the counselor-client dyad as an effective working relationship. P: PY 111, PY 211. 3 credits

PY-214 Death and Dying

The study of the theories relating to the process of dying and bereavement. Topics include: factors that influence the needs of patients and survivors; theories of attachment; stages of grief; suicides; and living wills. P: PY 111. 3 credits

PY-218 Statistics for Behavioral Sciences

Addresses basic concepts and methods of statistical data analysis as applied in psychology and other social/behavioral sciences, including organizing, analyzing, and interpreting data. This course will provide students with a foundation in descriptive

and inferential statistics, touching on frequency distributions, probability sampling, and hypothesis testing. Analyses conducted by hand and using SPSS. 3 credits

PY-222 Learning

Whenever experience changes our behavior in a lasting way, learning has taken place. Learning includes acquisition of knowledge, mastery of concepts, cultivation of skills, and development of habits. This course surveys what is known about key forms of learning, emphasizing classical conditioning, operant conditioning, observational learning, verbal learning, and information processing models of memory. Major theories that attempt to explain these processes and how these theories are applied to real world concepts, such as education, will be covered. P: PY 111. 3 credits

PY-229 Psychology of the Exceptional Child

Not all children develop along 'typical' lines. For some, cognitive and/or social-emotional development differs sharply from what is considered normative. This course concerns the psychology of such children, especially insofar as their differences may produce problems in living (e.g., academic failure or social stigmatization). Assessment and diagnostic procedures (e.g., psychological tests) as well as intervention strategies (e.g., behavior modification) will be covered. Specific language and academic skills disorders, autistic-spectrum disorders, mental retardation, selected medical conditions, disruptive behavior disorders, 'internalizing' disorders (e.g., separation anxiety), and the consequences of neglect and abuse will be considered. Some attention also will be paid to the issues raised by giftedness and special talents. In addition to describing the various disorders clinically and phenomenologically, we will try to understand their origins, nature, and developmental implications, and how they can be recognized and effectively addressed in specialized settings (e.g., clinics), in regular classrooms, and in the home. This course includes a fifteen-hour field experience. This course does not fulfill the required special education courses for teacher candidates seeking initial teacher certification in Connecticut. Teacher candidates should consult with the Certification Officer for information about the required special education courses. P: PY 111 and PY 211 or PY 330. 3 credits

PY-232 Organizational Psychology

Concerns the application of psychological principles in organizational settings. Some topics which will be explored include: decision making, group and team dynamics, leadership, motivation, and stress in the workplace. Students will learn what makes for an effective workforce and how to best encourage it. P: PY 111 or MG 131. 3 credits

PY-234 Brain and Behavior

The study of the anatomy and physiology of the brain and peripheral nervous system and their relation to behavior. Topics will include the neural basis of sensation, motivation, and learning, and the effects of traumatic brain injury and neurological disorders. P: PY 111 or BI 111. 3 credits

PY-235 Drug and Alcohol Abuse

An introductory survey covering a variety of issues in the addiction arena, including the psychology of addiction, biological issues, the impact of addiction on families, identification of addictions, and methods of intervention. P: PY 111 or SO 111. 3 credits

PY-236 Motivation

An exploration of human and animal motivation and factors influencing the direction and magnitude of behavioral responses. The course considers the roles played by instincts, drives, arousal modulation, and incentives, while emphasizing behavioral and social learning approaches to reinforcement. Both lower-level biological motives (e.g., hunger) and higher-level acquired motives (e.g., achievement) will be covered. The distinction between intrinsic and extrinsic motives and the applied topic of work motivation will receive special attention. P: PY 111. 3 credits

PY-237 Cognitive Psychology

This course is the study of how humans think, how we represent and process information in the mind/brain. Topics that may be covered include sensation and perception, attention, the representation of knowledge, memory, the nature and development of expertise, mental imagery, problem solving, creativity, language and reading, and individual differences. The course will have an applied focus where theories of how we represent and process information will be used to help solve real world problems in diverse areas such as education, medicine, sports, and law. Another focus will be to have students develop their understanding of the types of questions that cognitive psychologists ask and how they answer those questions; this will be developed through reading primary literature, in class demonstrations, and individual and/or group experiments and/or presentations. P: PY 111. 3 credits

PY-239 Close Relationships

This course examines intimacy and how relationships (romantic, familial, platonic) develop. The theories and research findings reviewed are based on the empirical study of behavior and cognition as they relate to our interpersonal relationships. Topics such as what is love, attraction, communication in relationships, satisfaction, jealousy, and relationship dissolution, will be addressed. Upon completion of this course you should have a better understanding of how relationships work, and how to succeed in them. 3 credits

PY-242 Educational Psychology

This course is a study of the assumptions about learning and development that underlie various educational practices by acquainting students with different theories in both of these areas. It provides students with opportunities to develop their problem solving skills in the context of education and psychology. Some of the topics the course covers are development and individual differences, learning theories, problem solving, instructional

objectives and methods, motivation, behavior management, and assessment. P: PY 111. 3 credits

PY-248 Cultural Psychology

This course examines the importance of cultural factors in explaining and understanding human behavior, providing students with a cross-cultural framework to evaluate the relevance of traditionally held beliefs and theories to different cultural groups. Students will explore the role of culture in development, cognition, gender, emotion, language and communication, personality, abnormal psychology, development of self and identity, and interpersonal and intergroup relations. To develop a better understanding of self in relation to the world, students will research their own cultural background and norms in comparison to mainstream society in the United States. Finally, students will develop a deeper, more complex understanding of the nature of culture, its relationship to the psychological processes, and the differences and similarities between cultures in our increasingly globalized world. 3 credits

PY-250 Community Psychology

A multidisciplinary approach emphasizing the prevention and treatment of psychological problems in a community setting. P: PY 111. 3 credits

PY-251 Special Topics

Selected topic studied in-depth within a psychological frame of reference. 1-3 credits

PY-253 Trauma Studies: A Holistic Approach to Understanding Stress and Trauma

This interdisciplinary course explores trauma impact on individuals across the lifespan. Through integrating perspectives from psychology, sociology, neuroscience, and public health, students will gain a comprehensive understanding of trauma's definition, prevalence, and diverse manifestations. Students will learn about historic and novel treatment approaches, with a particular focus on holistic interventions that address the intrinsic mind-body connection and trauma-informed practices that can be used to foster inclusive environments across diverse disciplines. #General Education Pathway: Trauma Studies - Writing Intensive. 3 credits

PY-255 Risk and Resilience in Children and Families

When individuals and families are faced with adversity, what factors predict how well they will cope with the disturbance? Why do some individuals and families overcome challenges while others become overwhelmed leading to dysfunction? This provides a comprehensive exploration of risk and resilience factors that help us understand how individuals and families respond to adverse events. Guided by an ecological systems framework, students in this course will examine the dynamic interplay between individual, family, community, and societal influences on adaptive and maladaptive outcomes. Students will also critique extant interventions and recommendations

for increasing individual and family resilience. Particular emphasis will be given to contemporary and recent issues faced by families such as adjusting to life after the COVID-19 pandemic, divorce, domestic violence, and mass violence. P: PY 111 recommended. General Education Pathway: Trauma Studies - Writing Intensive. 3 credits

PY-260 Self-Empowerment and Social Change

This course will conduct an in-depth analysis of implicit biases to enhance students' awareness of the profound influence of these biases on human behaviors, decisions, and relationships, often without their knowledge. It explains how many actions that appear deliberate can originate from unconscious cognitive processes, possibly resulting in decisions contrary to self-interests and inadvertently perpetuating injustices within the community. Throughout the course, the students will be empowered to actively practice identifying biases, acknowledging their existence, and refraining from acting upon them. While recognizing that biases are inherent to human nature, students will also understand that this recognition does not justify excusing systemic cognitive errors. Failing to address these errors can devastate the community and the world we shape. The course concludes by inspiring students to engage in critical self-reflection to take tangible steps toward becoming proactive advocates for justice. General Education Pathway: Power, Equity, Justice - Experiential Learning. 3 credits

PY-263 Creativity and Genius

Creativity may broadly be defined as the discovery and elaboration of novel, appropriate solutions to problems. These may involve any of the arts and sciences, social or legal issues, engineering, manufacturing, or agricultural innovations, or everyday activities like cooking and cleaning. Creativity has been vital to the success of the human species. Contemporary society places especially high value upon the ability to adapt and innovate to changing circumstances. Much of what is written about creativity is based on little more than guesswork, but there is a body of empirical research on the subject. We will study these theories and investigations into creativity and conduct some of our own. General Education Pathway: Creation & Destruction - Writing Intensive. 3 credits

PY-280 Practicum

A field-based experiential practicum involving approximately 8-10 hours per week on site. Sites may include schools, clinics, community agencies, corporations, or laboratories depending on the student's interest and area of concentration. P: Second semester Junior status, senior status or permission of Department Chair. 3 credits

PY-290 Independent Study

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop

the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-3 credits

PY-311 History and Systems of Psychology

A study of the philosophical and scientific antecedents of contemporary psychology, the major theorists and research methods in the early years of psychological science, and their influence on current developments and controversies in the field. P: PY 111. 3 credits

PY-312 Psychotherapy

Psychotherapy involves the treatment of mental illness and/or the facilitation of people's coping with life problems using psychological (as opposed to biomedical) methods. Evidence indicates that a variety of psychotherapeutic approaches can be effective, depending in part on the nature of the presenting problems. This course surveys the principal schools of thought in psychotherapy, including psychodynamic, humanistic, behavioral, and cognitive therapies. P: PY 111, PY 211. 3 credits

PY-321 Personality

Personality involves the study of the consistent patterning underlying the day-to-day variability in human thoughts, feelings, and behaviors. Influential personality theories will be critically evaluated and applied, testing their abilities to cast light on individual differences in self-concept and relational style. P: PY 111. 3 credits

PY-321W Personality

Personality involves the study of the consistent patterning underlying the day-to-day variability in human thoughts, feelings, and behaviors. Influential personality theories will be critically evaluated and applied, testing their abilities to cast light on individual differences in self-concept and relational style. P: PY 111. 3 credits

PY-323 Social Psychology

The study of individual and group behavior, this course addresses classical and contemporary issues and research on a number of topics, including person perception, social cognition, attitudes and attitude change, conformity, obedience, prejudice, gender, and interpersonal relationships and attraction. P: PY 111. 3 credits

PY-325 Experimental Methods and Research Design

An introduction to experimental methods and research design in psychological research. Includes hands-on experience with design, implementation of data collection, data coding and analysis, and the interpretation and communication of results. Students will learn and use APA style format in a research paper describing their research findings. P: PY 111, PY 218 and Junior or Senior status. Writing Intensive Designation: Major. 3 credits

PY-325W Experimental Methods and Research Design

An introduction to experimental methods and research design in psychological research. Includes hands-on experience with design, implementation of data collection, data coding and analysis, and the interpretation and communication of results. Students will learn and use APA style format in a research paper describing their research findings. P: PY 111, PY 218 and Junior or Senior status. 3 credits

PY-330 Child Development

An examination of the major theories, issues, and research related to the developing child from conception to puberty, with emphasis on emotional, cognitive, and social development. Current issues, such as the effects of drugs on the fetus, child abuse, and day care centers will be discussed. This course is not required for those who seek initial teacher certification at the middle or secondary level. P: PY 111. 3 credits

PY-340 Psychological Assessment

Psychological assessment involves the systematic appraisal of cognitive abilities, personality traits, social attitudes, interests, values, and other characteristics. Methods include interviews, self-report measures, projective techniques, and performance appraisals. This course covers the basic principles of test construction and validation used by psychologists and educational measurement specialists. It also covers the administration, scoring, and interpretation of selected psychological tests along with a critical evaluation of their qualities. P: PY 218 and open only to psychology majors with Senior status. 3 credits

PY-341 Adolescent Psychology

This course examines the development of the individual during the period of transition from childhood to adulthood, including physical changes, personality development, and the influence of family, school, and culture on adolescents. P: PY 111. 3 credits

PY-350 Adulthood and Aging

An overview of adulthood, maturity, and old age from both physical and psychological perspectives. Personal adjustment and psychological changes over the chronology of adult experience will be emphasized. Topics will include family, career, personality continuity and change, sexuality, and the processes of aging, death, and bereavement. P: PY 111. 3 credits

PY-371 Introduction to Art Therapy

The role of art therapy in the psychotherapeutic process as a diagnostic, developmental, and remedial tool, including the theoretical bases of this modality. P: PY 111 and either PY 211 or PY 321. 3 credits

PY-372 Theory and Practice of Art Therapy

Continued study of various psychological theories, concepts, and methods of psychotherapeutic art. Focus on actual case materials and workshop experiences. P: PY 111, PY 211, PY 371 and either PY 312 or PY 321. 3 credits

PY-380 Internship

A field-based experiential internship in the Child Development and Counseling, and Mental Health concentrations requiring a commitment of 16 -24 hours per week to the placement site. P: PY 280 and departmental permission. May, with special permission of the Department Chair, be taken over the course of two semesters. Upon registering for PY 380, students should immediately meet with the Office of Career & Professional Development and Experiential Learning (Rosary Hall). This should be done by the middle of the semester prior to actually beginning the placement. 6-9 credits

PY-391 Senior Seminar

In-depth study of selected topics in psychology. P: Open only to psychology majors with senior status. 3 credits

Public Administration (MP)

MP-355 Special Topics

Selected topic studied in-depth within a public administration frame of reference. 3 credits

Public Health (PHS)

PHS-310 Epidemiology

Epidemiology is the branch of medicine which deals with the incidence, distribution, and control of a disease. In this course, you will learn and apply key concepts of epidemiology to multiple domains of public health. By the end of this course, you'll be able to use epidemiology to better understand, characterize, and promote health at a population level. P: SO 218. 3 credits

PHS-387 Public Health Studies I: Current Topics and Politics

This course is intended to provide students with a means of evaluating the health impact of political decisions and a broad knowledge base about the practice of Public Health today. Students will explore a range of current topics in public health - including COVID-19, HIV/AIDS, and the obesity epidemic. Students will also look at the impact of US politics on global public health, especially in developing nations. Furthermore, this course will explore key topics such as the WHO's Millennium Development Goals, the disastrous circumstances that can arise when Public Health Policies fail, and the conflict between data and political will that drives so much of Public Health policy decision

making. This course culminates in a project in which students must plan a Health Impact Assessment of a current or proposed federal or state policy. P: MG 311, SO 218. 3 credits

PHS-388 Public Health Studies II: Demographics, Geo-Spatial Mapping, and Qualitative Research

This course provides students with a variety of tools for understanding the impact that disease or other Public Health concerns may have on a population. Students will learn how to design effective surveys, analyze geographic data, and use qualitative information with the ultimate goal of gaining a better understanding of how events may affect the health of a particular population. This course will also require students to participate in a marathon in order to help them build understanding of how geographic data is used in the practice of Public Health. P: PHS 387. 3 credits

Religion (RS)

RS-210 Spirit and Nature

This course provides an introduction to religious practice and belief in relation to the natural world. We will consider how religious traditions have understood creation, humanity's relationship to nature, and environmental justice. Although these themes will be framed by Catholic Social Teaching on the environment, we will consider examples from a variety of religious traditions, including Christianity, Judaism, Islam, Buddhism, Shinto, and indigenous religion. To do so, we will examine accounts of religious life in theology, anthropology, journalism, and the arts. Through site visits and assignments that invite students to engage with their surroundings, students will also reflect upon their own experiences of the natural world. General Education Pathway: Mission Earth. 3 credits

RS-223 Religion and Popular Culture

This course examines the many ways that religion and popular culture intersect today. It begins by examining the origins of the concept of popular culture, its historical developments in the eras of mass media and digital culture, and the rise of Cultural Studies as an intellectual approach to the study of working-class culture, race and racism, gender and sexuality, and the politics of representation. Students then learn about foundational texts and issues in Religious Studies before applying their learning across these two disciplines to such things as sports, hip hop, yoga, graphic novels, film and television, music videos, video games, and social media. General Education: Religion. 3 credits

RS-226 Catholic Intellectual Tradition

This course invites students to engage and debate the Catholic intellectual tradition from Augustine to the present. Focus is placed on the relationships between faith and reason and between the Church and the world. The course consists of two units. Unit 1 surveys the work of authors from early Christianity to the start of the modern period, including

Augustine of Hippo, Thomas Aquinas, Dante Alighieri, Meister Eckhart, Teresa of Avila, and John of the Cross. Unit 2 is concerned with recent materials, exploring the tension between the Church and "the modern world" from the French Revolution up to the Second Vatican Council in the 1960s and the new spirit of "dialogue" in subsequent years. A wide range of authors is studied, including Jacques Maritain, Dorothy Day, Elizabeth Johnson, Pope Francis, and others. General Education: Religion. 3 credits

RS-235 Religion and the City

This course examines the relationship between religious practice and the city. We will consider how the urban context shapes religious communities and in turn how religious communities influence the built environment, civic life, and activism. To do so, we will engage accounts of urban religious life in ethnography, oral history, urban design, and geography theory. We will focus in particular on religious responses to pressing issues in the contemporary city, such as housing, gentrification, racism, immigration, and environmental justice. Students will have the opportunity to research local faith-based approaches to issues of justice and peace in New Haven. General Education: Religion. 3 credits

RS-236 Women in the Bible

A survey of named and unnamed female figures in the TANAK/Old Testament and New Testament through primary and secondary readings, writing, and discussion. Students will explore the place of women in the biblical world, both the world of history and the world of the text. We will also discuss the contemporary implications of the portrayal of women in the Bible. This will include issues of power and authority, sexuality, motherhood, reproduction, violence, and the understanding of the divine. General Education: Religion. 3 credits

RS-237 Theology of the Civil Rights Movement

This course explores the role of religion in the civil rights movement, both at the movement's height in the 1950s and 1960s and in the continued struggle for civil rights in the US from the 1960s to today. The course surveys the work of a series of luminary contributors to the movement and its legacy: Howard Thurman, Martin Luther King, Jr., Malcolm X, James Baldwin, James Cone, Ta-Nehisi Coates, and others. We also study key events in the history of the civil rights movement, including in Montgomery, Birmingham, and Washington, DC. The course is designed to offer a thorough "history of the present" of debates in the US around issues of race and the role of religion in the ongoing struggle for racial justice. General Education: Religion. 3 credits

RS-242 The Spiritual Life

What is the spiritual life? How do practitioners of various spiritual and religious traditions live out and develop their spiritual life? The course addresses these questions through two units of study, the latter including a focus on practice and experiential learning. Unit 1 surveys the history of spirituality, including in both Western and

Eastern traditions and the work of significant authors, including Ralph Waldo Emerson, Vivekananda, William James, Thomas Merton, and others. Unit 2 considers more recent texts and movements concerned with the spiritual life and students experience spiritual practices first-hand, including mindfulness practice, meditation, and yoga. Where possible local practitioners are invited to share their expertise. General Education: Religion. 3 credits

RS-244 Religions of Asia

This course explores the major religious and ethical traditions of Asia. It consists of five units. After being introduced to some basic theory and method in the study of religion, students survey of Hinduism, including a reading of the Bhagavad Gita, and consider the major traditions of China: Confucianism and Taoism, including readings of Confucius' Analects and the Tao Te Ching. Finally, they focus on Buddhism, surveying some of the tradition's major teachings and features, focused especially on the practice of meditation and the Zen and Tibetan traditions. The course concludes with a reading of the Dhammapada. The course includes elements of experiential learning where possible and focuses especially on the ethical significance of the teachings and practices of these traditions. General Education: Religion. 3 credits

RS-252 The Gospels

Reading and discussion, informed by contemporary criticism, of one of the four gospels of the canonical Christian scriptures. General Education: Religion. 3 credits

RS-253 Selected Topics

Selected topic studied in-depth within a religious frame of reference. 3 credits

RS-254 Selected Topics

Selected topic studied in-depth within a religious frame of reference. 3 credits

RS-275 History of Christianity

This course surveys the history of Christianity from its origins to the present day. Unit 1 focuses on the early Church up through the Council of Chalcedon in 451, including a reading of the Gospel of Mark. Unit 2 looks at the Middle Ages and the Renaissance, considering the development of the Church in various areas of Europe and the Middle East, the influence of scholasticism, the split between Eastern and Western churches, and the emergence of Christian humanism. Unit 3 turns to the Protestant Reformation and Catholic Counter-Reformation, up to the wars of religion in the seventeenth century. Unit 4 starts from the Enlightenment period, considering the significance for Christian history of the revolutions of that period and the decades following as well as the missionary movements that flourished at the end of the nineteenth century. Unit 5 presents the period from 1914 to the present, considering the impact on Christianity of the World Wars and counterculture movements of the 1960s and concluding by considering the shift of energy

in the Church from the West to other parts of the world. Students engage with primary source readings throughout the course. General Education: Religion. 3 credits

RS-277 Bible and Culture

An introductory survey of select literature in the Christian Bible, and of various methods and approaches used when studying the Bible academically. The course (i) surveys the history underlying the Bible's content, composition, canonization, transmission, translation, and reception; (ii) explores the various theologies (i.e., religious ideologies) reflected throughout the first and second Testaments; and (iii) considers the implications for understanding both the literature of the Bible and the response of various readers and communities to that literature. General Education: Religion. 3 credits

RS-283 Religion and Society

This course introduces students to the methods and approaches used by scholars and students of Religious Studies as an academic discipline. Students learn how to think critically about religion by examining it historically, anthropologically, and sociologically. Beginning with 19th-century anthropologists such as E. B. Tyler and J. G. Frazer, the course uses primary and secondary readings to chart the development of the discipline through works by Karl Marx, Sigmund Freud, Emile Durkheim, Max Weber, William James, Mircea Eliade, Claude Levi-Strauss, Clifford Geertz, and others. Students are introduced to texts by important contemporary authors and to key debates in the field today regarding relationships between religion and such things as global conflict, the rise of fundamentalism, contemporary US culture and politics, and issues of race, class, gender, and sexuality. General Education: Religion. 3 credits

RS-323 Islam and the West

Is the West, especially America, under siege from Islam? Is conflict between America and Islam inevitable? Or is there common ground? What has Islam contributed to the world and to the West? This course provides an overview of the relationship between Islam and the West, including the basics of the religion and civilization of Islam, the relationship of Islam to the West, and considerations concerning Muslims in Western countries, including America. The course takes an interdisciplinary approach, combining elements of history, religion, and culture. 3 credits

RS-351 Special Topics

Selected topic studied in-depth within a religious frame of reference. 3 credits

RS-352 Special Topics

Selected topic studied in-depth within a religious frame of reference. 3 credits

RS-353 Special Topics

Selected topic studied in-depth within a religious frame of reference. 3 credits

RS-373 The Question of God in Modern World

A historical study of the impact of the "Modern Revolution" on Christian belief in the West, and an examination of the pluralistic landscape of belief in contemporary Postmodern culture. P: Sophomore standing or permission of the instructor. General Education: Religion. 3 credits

RS-390 Independent Study

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

RS-393 Final Project I

A project-based capstone project consisting of one semester/module of research (PH/RS 393) and one semester/module consisting of writing (PH/RS 394). Both stages of the project must be conducted under the supervision of a faculty member in the department. 3 credits

RS-394 Final Project II

A project-based capstone project consisting of one semester/module of research (PH/RS 393) and one semester/module consisting of writing (PH/RS 394). Both stages of the project must be conducted under the supervision of a faculty member in the department. Writing Intensive Designation: Major. 3 credits

Social Work (SW)

SW-504 Social Welfare and Social Policy

This course provides students with a foundation understanding and appraisal of social welfare policies and programs in the United States, and the historical and contemporary forces that have shaped their development. It covers the formation of the social work profession and its role in the creation and implementation of social policy and its tradition of advocacy, social action, and reform. Students take steps to engage in policy practice to advance social and economic justice. P: Approved for participation in the Albertus Magnus College/Quinnipiac University MSW Pathway Agreement. Albertus Magnus College awards undergraduate credit for this course. The course is only transferable for graduate credit to Quinnipiac University's MSW Program. 3 credits

SW-511 Human Behavior in the Social Environment I: Theories for Practice for Individuals and Families

Using a person-in-environment framework, this course provides an understanding of the relationship between the major theories of individual and family functioning among biological, social, psychological and spiritual dimensions as they affect and are affected by human behavior and family life. Students examine the role that culture and intersectionality play in human development, within the context of biological and social systems, psychodynamic, ecological, social constructionist, humanistic, cognitive and behavioral theories. P: Approved for participation in the Albertus Magnus College/Quinnipiac University MSW Pathway Agreement. Albertus Magnus College awards undergraduate credit for this course. The course is only transferable for graduate credit to Quinnipiac University's MSW Program. 3 credits

SW-512 Human Behavior in the Social Environment II: Theories for Groups, Organizations and Communities

Using an ecosystems framework, this course provides an understanding of the major theories that explain the structures, functions, and dynamics of groups, organizations and communities. Students master core ideas of theories that provide the conceptual base for engaging in interventions that occur in the macro social environment. The course focuses on utilizing theories that promote empowerment of key stakeholders within groups, organizations and communities and that address social and economic injustice. P: Approved for participation in the Albertus Magnus College/Quinnipiac University MSW Pathway Agreement. Albertus Magnus College awards undergraduate credit for this course. The course is only transferable for graduate credit to Quinnipiac University's MSW Program. 3 credits

Sociology (SO)

SO-111 Introduction to Sociology

This course invites you to see the world through the sociological imagination. We will examine culture, social structure, race, class and gender inequality, social institutions and socialization from a sociological perspective. General Education: Social Science. 3 credits

SO-121 Contemporary Social Problems

This course focuses on how social institutions and social organization generate problems for people and for society. Particular attention will be paid to political and economic inequalities, health and illness, education, the environment, and the criminal justice system. 3 credits

SO-211 Introduction to Cultural Anthropology

This class will introduce students to the practice of ethnography, the craft of writing about other cultures, and will provide a concrete introduction to cultural anthropology,

which is the comparative study of human societies. General Education: Languages & Cultures. 3 credits

SO-212 Social Work: History and Practice

This course reviews the history of Social Work in the United States, and examines the practice settings of social work as a profession: case work, group work, community organization and advocacy, and policy and planning. Includes the study of the values and assumptions of social work with an eye towards problem-solving applications with specific populations, as well as social welfare policy critique. 3 credits

SO-213 Social Work: Populations and Policies

An examination of the populations and policies that are the current focus of Social Work in the United States. We will further explore the special needs of specific populations such as families, youth, the elderly, and the poor, with a focus on how social inequalities create challenges for people that Social Workers must mitigate through social welfare policy and practice. Establishing a knowledge base as well as effective communication techniques will be stressed. 3 credits

SO-218 Statistics for Behavioral Sciences

Addresses basic concepts and methods of statistical data analysis as applied in psychology and other social/behavioral sciences, including organizing, analyzing, and interpreting data. This course will provide students with a foundation in descriptive and inferential statistics, touching on frequency distributions, probability sampling, and hypothesis testing. Analyses conducted by hand and using SPSS. 3 credits

SO-219 Research Methods

This course is a "hands on" approach to research in which the student will learn to design and carry out field observations, experiments, content analyses, or surveys. 3 credits

SO-220 Sociology of Communications

This course focuses on mass media representations of gender, race, class, and culture. Students will critically engage all forms of mass media from the traditional to new technologies to examine the effect media has on their lives, ways in which opinions are formed and how culture is shaped. 3 credits

SO-225 Sociology of Sport

This course will provide a systematic analysis of sport in North America, with special attention devoted to the interrelationships between sport, social institutions, social processes, and the critical analysis of sport in contemporary society. 3 credits

SO-230 Technology, Society & the Individual

A consideration of 20th century technological change with particular interest in its impact on individuals, families, work and social organizations. 3 credits

SO-235 Drug and Alcohol Abuse

An introductory survey covering a variety of issues in the addiction arena, including the social construction of addiction, social psychological and biological issues, the impact of addiction on families, identification of addictions, and methods of intervention. P: SO 111 or PY 111. 3 credits

SO-241 Urban Sociology

This course examines the effects of the urban environment on social institutions and populations and explores the modern crises of urban living with an eye towards understanding how to make cities livable, sustainable, and equitable. P: SO 111. 3 credits

SO-242 Race, Ethnicity and Racism

This course examines the positions of race and ethnic groups in the status hierarchy of the United States, and teaches a critical perspective on the economic, political, and social oppression of subordinate groups in unequal social systems. 3 credits

SO-242W Race, Ethnicity and Racism

This course examines the positions of race and ethnic groups in the status hierarchy of the United States, and teaches a critical perspective on the economic, political, and social oppression of subordinate groups in unequal social systems. 3 credits

SO-245 Sociology of Gender and Intersectionality

This course explores the social and cultural meanings of gender in society and familiarizes students with key issues, questions and debates in the field. General Education Pathway: Power, Equity, Justice - Writing Intensive. 3 credits.

SO-246 Introduction to African American Studies

This course is an introduction to the study of people of African descent in the United States. We will explore why people of African descent have occupied an oppressed position in the US and globally, and how they have resisted this oppression through culture and the creation of social change. We will examine key historical periods in African American history, with a concern for how race, gender, and class shape the lives of people of African descent, and how Black struggles for citizenship shape the ongoing development of democracy in the US and globally. 3 credits

SO-255 Special Topics

Selected topic studied in-depth within a sociological frame of reference. 3 credits

SO-310 Sociology of Law and Social Control

This course explores the social processes of law and social control in the social context of the United States. Discusses major theories of law and considers the role of law as both a cause and effect of social change. P: CJ 111 or SO 111. 3 credits

SO-371 Classical Sociological Theory

We will examine the theories of Marx, Weber, Durkheim, DuBois, Addams and other important founders of the sociological discipline and perspective. P: Junior or Senior status. 3 credits

SO-372 Contemporary Sociological Theory

This course familiarizes students with contemporary developments in social thought that influence sociological research in the current period. Draws connections to classical theory and offers an overview of the main outlines of recent sociological theorizing. P: Junior or Senior status. 3 credits

SO-373 Sociological Theory

An exploration of social theory as a set of organizing logics for asking and answering questions about social interaction and institutions. The course will explore the underlying conceptual framework of sociology past and present in order to understand that what sociologists know is shaped by how they know it. Focus on theories of social structure and inequality, micro and macro theories, and the socio-historical context of theory production. P: Junior or Senior status. 3 credits

SO-374 Qualitative Methods

This course will examine strategies for gathering and analyzing qualitative data using approaches such as participant observation, content analysis, focus groups, and interviews. The focus of the course will be on understanding what types of questions are best answered through qualitative research methods, and will highlight how social theory is tested and applied through social research. P: SO 373. 3 credits

SO-380 Internship

Fieldwork experience. P: SO 111 plus a minimum of 15 hours in Sociology and Senior status. 3-9 credits

SO-390 Independent Study

In this course, the student will, under the supervision of the department chair/program director, research and produce an integrative culminating project that draws together various aspects of the student's course of study. This project will require the student not only to engage new academic research and material, but the student must also draw deliberately upon learning done in previous classes in the major to support and develop the project. By the end of the semester, the project should be a clear expression of, and

culminating investigation into the set of questions or themes that formed the basis of the major course of study. 1-12 credits

SO-391 Senior Seminar

Consideration of a social problem with an eye to utilizing the "sociological imagination" and skills gained through the prior major courses, both required and elected. This course should be a culminating experience for those who have chosen this major, resulting in a heightened awareness of the sociological perspective. P: Senior status and Sociology or Social Science major. Writing Intensive Designation: Major. 3 credits

Sport Management (SM)

SM-140 Introduction to Sport Management

This course explores the global nature, historical aspects, trends as well as the role of the sports industry in society. Topics include, but are not limited to, organizational structure, management, public relations, marketing, financial/economic, intercollegiate athletics, legal and ethical principles of sport administration and management. 3 credits

SM-143 Introduction to Esports Management

This course will introduce students to the history of competitive gaming and will explore its ecosystem. Since esports is one of the fastest growing industries, attracting 450 million viewers and generating over \$1 billion in revenue in 2020, students will get firsthand experience in analyzing it. Students will also navigate esports leagues, teams, players, publishers, tournament operators, media and affiliate organizations. This course is offered through the Lower Cost Models for Independent College Consortium (LCMC). 3 credits

SM-202 Sports Marketing & Promotion

The business of sport is experiencing rapid growth all over the world, especially in America. Sports marketing and sports media are intrinsically linked in American culture. Sports Marketing and Promotion will explore a variety of topics including: Why are sports more popular today than ever before? Why have sports on a professional and collegiate level become "big business"? How does one construct a marketing plan for a professional or collegiate team? How can solid promotion of athletes, organizations, and events leverage the success of sports around the world? This course will focus on advertising and promotion as well as other marketing functions involved in the multi-billion-dollar sports industry. In addition to readings, case studies, and regular assignments, students will prepare a marketing plan for a professional or collegiate athletic team or program. 3 credits

SM-203 Sports Information & Media

Modern sports and mass media are intrinsically linked. Whether it is a major or minor league team, a collegiate athletic program, or even high school athletics, sports media

and the ability to communicate with fans and sponsors can be an integral part of the success of teams and programs. Increasingly, media outlets are presenting amateur, professional, and collegiate sports contests live, or reporting on the results of the contests on a regular basis. Sports Information and Media prepares students to work in different aspects of the sports communications industry, giving students an introduction to sports information and media relations as well as sports broadcasting. In this course, there will be an emphasis on developing skills essential for sports communication professionals, including writing and interviewing, handling media interactions across platforms, social media and other technology, and the introduction of new media into the sports industry. 3 credits

SM-301 Ethics in Sport Management

This course examines major ethical theories and their relation to the development of personal and professional ethics in sport and recreational management. The course is designed to develop a theoretical framework that will lead to a moral course of action and personal philosophy needed to meet the challenges and issues of modern athletics. The application of ethical decision making and problem solving in sport and recreation will be explored. An integrative study of current industry and ethical issues facing sport leaders. P: MG 131 or SM 140. 3 credits

SM-302 Legal Aspects of Sport Management

This course explores the legal principles of the sport industry and provides a basic knowledge of the legal statutes that relate to various dimensions of sport business. It includes legal principles that affect the prudent performance of all those involved in sporting events and will look at federal legal legislation as it affects program development. Major focus is on a review of judicial opinions in the areas of tort liability (risk management), agency and contract law, labor and employment law and antitrust issues. Topics to be addressed include right to participate, liability for injuries, legal status of sports organizations, risk management, assertion of legal rights, and crisis management. Other areas of sport industry law to be covered are contracts, negligence, gender equity, sport labor relations, and selected current issues. P: MG 131 or SM 140. 3 credits

SM-303 Sport Venue and Event Management

This course examines the principles and fundamentals of managing and financing sport, recreational, and entertainment venues. Course content focuses on knowledge and skills necessary to develop, design and manage sports, recreation and health/fitness facilities. Students will gain an understanding of planning, implementation, and evaluation of sport events in addition to the design, maintenance, and full utilization of athletic facilities. Principles for effective management of sport events and facilities in both human and physical resources are stressed. P: MG 131 or SM 140. 3 credits

SM-304 Sport Finance

This course examines the financial management and analysis of the sports industry as it pertains to different aspects of sports, including player compensation, labor relations, facility development, broadcast rights, and competitive structure employed in managerial decision making in amateur and professional sports. Focus is on understanding the developing and management of budgets and financial strategies, including debt service, ticket and concession sales, corporate sponsorship and licensed sport merchandise. Examines financial challenges related to current and future sources of revenue for the sport enterprise. P: AC 161, MG 131, SM 140. 3 credits.

SM-381 Sport Management Internship

This is a field based course in which students gain on-site employment experience in the Sport Management field for 120 contact hours per 3 credits. The student is responsible for maintaining an integrative journal and completing other academic requirements. A student may repeat this course only once, and the second internship must be in a different place of employment. P: 12 credits in the Business Administration, Management and Sport Management Department plus junior or senior standing. 3-12 credits