

Accounting

ACC 140 - Financial Accounting (3 credits)

Introduces students to financial accounting, a system which provides information for decision makers external to the business entity, primarily by means of generalpurpose financial statements. Topics include the elements of financial statements, the application of accounting theory and generally accepted accounting theory and generally accepted accounting principles to business transactions, ethics, and internal controls.

Prerequisite: Eligible for ENG 150, ENG 151, or 153 and MATH 135.

ACC 141 - Managerial Accounting (3 credits)

Introduces students to managerial accounting. Students learn how to prepare and use financial information to make internal decisions. Topics include managerial accounting concepts, accounting for manufacturing firms, cost systems, standard costs, segment reporting, profit planning, budgeting, and performance measurement.

Prerequisite: A grade of C or better in ACC 140 Financial Accounting.

SEE Certification: Quantitative Literacy.

Art

ART 106 - Introduction to Art History (3 credits)

Provides a foundation in art history, introducing issues central to the study and interpretation of visual culture. Through class discussions and assignments emphasizing comparative analysis, research strategies, and communication skills, students will be challenged to think critically about the nature of art and the discipline of art history. This course focuses on "visual literacy" – on building and employing the vocabulary needed to discuss and interpret works of art and architecture.

Prerequisite: A grade of C or better in ENG 150, ENG 151or ENG 153 (may be taken concurrently).

SEE Certification: Fine Arts.

ART 110 - Fundamentals of Design I (3 credits)

Introduces the elements and principles of twodimensional design, providing an essential foundation for anyone working in visual media. This course familiarizes students with the theory and process of solving visual problems. Basic material, technical, and presentation skills are developed using traditional and digital tools. Art history and visual culture references are incorporated into lectures and projects. Students will practice using design research and creative thinking to generate ideas. Emphasis is placed on planning, executing, and presenting individual solutions. Students will discuss their work and the work of their classmates during faculty-led critiques. This course includes studio and lecture. Students will need to purchase supplies/materials for this course.

Prerequisite: None.

SEE Certification: Fine Arts.

ART 113 - Fundamentals of Design II (3 credits)

Expands upon skills using elements and principles of two-dimensional design while introducing threedimensional design and color theory. This course stresses the theory and process of solving design problems using color and form, essential tools for all designers. This course also builds on material, technical, and presentation skills working with traditional and digital media. Art history and visual culture references are incorporated into lectures and projects. Students practice using design research and creative thinking working independently and in groups to ideate, plan, execute, and present solutions. Students discuss their work and the work of their classmates during small-group and facultyled critiques. This course includes studio and lecture. Students will need to purchase supplies/materials for this course.

Prerequisite: A grade of C or better in ART 110.

ART 116 - Drawing I (3 credits)

Explores drawing as a method of representation as well as a means of organizing and expressing ideas. Introduces basic skills and techniques of drawing from direct observation using subjects such as still life, landscape, and architecture. Students use the tools of organization, composition, representation, abstraction, value, perspective, rapid visualization, and the focused practice of maintaining a sketchbook. Students work with various traditional and digital media. Students will present and discuss their work and the work of their classmates during faculty-led critiques. Art history and visual culture references are incorporated into lectures and projects.

Prerequisite: None.

SEE Certification: Fine Arts.

Biology**BIO 104 - The Human Body and Contemporary Health Issues (4 credits)**

Illustrates some major principles of biology by studying the human as an organism and as part of the biosphere. Topics include the systems of the body and processes which produce, maintain and coordinate the person. These are studied in relation to disease, the external environment and technology. Laboratory included. Restricted to non-science majors. This course does not satisfy a minor requirement in biology.

Prerequisite: Eligibility for MATH 135 or higher.

SEE Certification: Scientific Reasoning-Laboratory.

BIO 113 - General Biology I: Cell Biology and Genetics (3 credits)

Emphasizes the molecular nature of biology and biological principles that are common to all life. Topics covered relate to the physical and biochemical structure and function of cells and cell processes and genetics.

Prerequisite: Eligibility for MATH 135 or higher.

Corequisite: BIO 113L

SEE Certification: Scientific Reasoning-Laboratory.

BIO 113L - General Biology I Laboratory: Cell Biology and Genetics (1 credit)

Introduces experimental methods and techniques used in the biology laboratory. Topics relate to cell structure and function, and skills covered include the scientific method and experimental design, microscope and micropipette use, and aseptic technique.

Prerequisite: Eligibility for MATH 135 or higher.

Corequisite: BIO 113

SEE Certification: Scientific Reasoning-Laboratory.

BIO 114 - General Biology II: Structure and Function of Organisms (3 credits)

Emphasizes the molecular and physical aspects of plant and animal structure and function in relation to biological principles that are common to all life. Topics covered include form and function, homeostasis, chemical signaling and communication, and nutrition in plants and animals.

Prerequisite: A grade of C or better in BIO 113 and BIO 113L

Corequisite: BIO 114L.

BIO 114L - General Biology II Laboratory: Structure and Function of Organisms (1 credit)

Explores the relationship between structure and function through laboratory activities which include the dissection of plants and animals, and the investigation of basic physiological processes. Students will be introduced to scientific literature databases, and primary and secondary scientific literature, and will continue to refine and expand the laboratory skills taught in BIO 113L.

Prerequisite: A grade of C or better in BIO 113 and BIO 113L.

Corequisite: Co-requisite BIO 114.

Chemistry

CHEM 115 - General Chemistry I (3 credits)

Introduces the structure of matter and its behavior from a chemical perspective. Topics discussed include nomenclature, stoichiometry, chemical reactions, quantum theory, chemical bonding, periodicity, gases, and atomic and molecular structure.

Prerequisite: Eligibility for MATH 147 or higher.

Corequisite: CHEM 115L and CHEM 115S.

SEE Certification: Scientific Reasoning-Laboratory.

CHEM 115L - General Chemistry I Laboratory (1 credit)

Introduces students to working safely in a chemistry laboratory and keeping a laboratory notebook. Experiments performed include the physical properties of matter, chromatography, analysis of hydrates, solubility of inorganic salts, acids and bases, calorimetry, color and absorption of light, gravimetric analysis, gas laws, chemical bonding and molecular modeling. Students will learn laboratory techniques, instrumentation and molecular modeling.

Prerequisite: Eligibility for MATH 147 or higher.

Corequisite: CHEM 114 or CHEM 115 and CHEM 115S.

SEE Certification: Scientific Reasoning-Laboratory.

CHEM 115S - General Chemistry I SoLVE (0 credits)

Engages students in small group problem solving on topics related to material covered in CHEM 115. Active learning, inquiry, team building and the integration of STEM disciplines are emphasized throughout the sessions.

Corequisite: CHEM 114, CHEM 115 or CHEM 115H and CHEM 115L or CHEM 115HL.

CHEM 116 - General Chemistry II (3 credits)

Introduces the states of matter including liquids, solids and solutions, followed by discussion of chemical principles including kinetics, equilibrium, acids and bases, thermodynamics, electrochemistry, and nuclear chemistry.

Prerequisite: A grade of C or better in CHEM 114 or CHEM 115 and CHEM 115L.

Corequisite: CHEM 116L and CHEM 116S.

CHEM 116L - General Chemistry II Laboratory (1 credit)

Focuses on the performance of a selection of basic laboratory procedures including molecular modeling, colligative properties, kinetics, equilibrium, titration, pH of acids and bases, buffer systems, LeChatelier's principle, solubility product constants, qualitative analysis and electrochemistry. Emphasis is placed on instrumentation, maintaining a laboratory notebook, using correct techniques and utilizing chemical software programs.

Prerequisite: A grade of C or better in CHEM 114 or CHEM 115 and CHEM 115L.

Corequisite: CHEM 116 and CHEM 116S.

CHEM 116S - General Chemistry II SoLVE (0 credits)

Engages students in small group problem solving on topics related to material covered in CHEM 116. Active learning, inquiry, team building and the integration of STEM disciplines are emphasized throughout the sessions.

Corequisite: CHEM 116 or CHEM 116H and CHEM 116L or CHEM 116HL.

Communication Arts

CM 101 - Public Speaking (3 credits)

Focuses on the development of skills in the writing and presenting of various types of speeches. Students will practice and deliver several speeches with the goals to inform, persuade, and entertain audiences.

Prerequisite: None.

SEE Certification: Communication Intensive.

THEA 103 - Foundations of Performance (3 credits)

Develops important performance and communication skills through exercises, improvisations, and scene work. Students will practice exercises in imagination, active listening, and vocal and movement techniques. Analysis of scenes for a character's intentions, obstacles, and tactics is a major part of this course. Students learn to work within an ensemble and develop self-confidence in a performance.

Prerequisite: None.

SEE Certification: Fine Arts and Communication Intensive.

Counseling and Human Services

CHS 101 - Family Studies (3 credits)

Explores family forms and issues across the life course in terms of current and historical trends as well as crosscultural variations. The course addresses marriage and the family, partner selection and intimate relationships, and family crisis and social policy. Formerly HSR 101

Prerequisite: A grade of C or better in ENG 150, ENG 151 or ENG 153 (may be taken concurrently).

SEE Certification: Social Science.

Criminal Justice

CJUS 101 - Introduction to Criminal Justice (3 credits)

Provides students with an overview of the criminal justice system, including historical development, present status, and suggested reforms. Topics covered include the duties and functions of actors in the criminal justice system, such as victim, offender, police, prosecuting and defense attorneys, and courts and corrections. Also covered is the criminal justice process from the formation of laws to the final stages of the treatment of criminals.

Prerequisite: None.

SEE Certification: Social Sciences.

Economics

EC 201 - Principles of Macroeconomics (3 credits)

Examines the basic economic principles of the aggregate economy. Subjects covered include the essentials of aggregate demand and supply, government spending and taxation, national income accounting, analysis of unemployment and inflation, money and banking, fiscal and monetary policy, analysis of economic growth, and an overview of the international economy.

Prerequisite: ENG 150/151 or ENG 153 and placement in MATH 135 or higher.

SEE Certification: Social Sciences.

EC 202 - Principles of Microeconomics (3 credits)

This course examines the basic economic principles governing the decisions of the economic agent. Topics include product and factor markets, as well as pricing decisions. In addition, government policies and the tradeoff between efficiency and equity are examined.

Prerequisite: ENG 151 and placement in MATH 135 or higher.

SEE Certification: Social Science.

English

ENG 151 - Composition & Writing from Sources (3 credits)

Develops the ability to write clear, coherent, and welldeveloped expository prose. This course requires analytical reading and critical thinking and includes instruction and practice in research methods and writing from sources.

Prerequisite: By placement only.

ENG 152 - Writing About Literature and Culture (3 credits)

Develops the ability to write clear, coherent, and welldeveloped arguments. This course explores texts that display a range of cultures, identities, and perspectives, requires close reading of poetry, drama, and fiction, and includes instruction in argumentation.

Prerequisite: A grade of C or better in ENG 150 or 151.

Film & Moving Image

FMI 101 - Cinema I: Storytelling (3 credits)

Introduces knowledge of basic video production equipment, crew functions, and techniques. Students learn and practice the foundational vocabulary of digital filmmaking and direct and shoot various short films of their own, working individually and in groups. Students also learn the principles of basic digital editing. Course includes studio and lecture.

Prerequisite: None.

SEE Certification: Fine Arts.

Geography

GEO 112 - Human Geography (3 credits)

Studies the institutions and spatial variations of human society. This course emphasizes understanding human culture in a geographic context.

Prerequisite: ENG 150, 151, or ENG 153, or equivalent (may be taken concurrently).

SEE Certification: Social Science.

History

HIST 105 - World History I (3 credits)

Focuses on the diverse forces that helped shape the world in which we live. This course traces the development of world civilizations from the origins of humankind to the Early Modern era, with special emphasis on Western civilization.

Prerequisite: A grade of C or better in ENG 150, ENG 151, or ENG 153 (may be taken concurrently).

SEE Certification: Humanities.

HIST 106 - World History II (3 credits)

Focuses on the diverse forces that helped shape the world in which we live. This course traces the development of world civilizations from the Early Modern era to the present, with special emphasis on Western civilization.

Prerequisite: A grade of C or better in ENG 150, ENG 151 or ENG 153 or equivalent (may be taken concurrently).

SEE Certification: Humanities.

HIST 109 - The United States: Colonial America to 1877 (3 credits)

Surveys the major events, ideas, and personalities critical to the development of the United States up to 1877. This course will examine the settlement and development of the American colonies, the American Revolution, the Civil War and Reconstruction, and will look at the collision of cultures and ideas that led to the formation of early America.

Prerequisite: A grade of C or better in ENG 150, ENG 151 or ENG 153 or equivalent (may be taken concurrently).
SEE Certification: Humanities.

HIST 110 - The United States: 1877 to Present (3 credits)

Surveys the major events, ideas, and personalities critical to the development of the United States from 1877 to the present. This course will examine the consequences of the Civil War and Reconstruction, Populism, Progressivism, the two World Wars, the Roaring Twenties, the Great Depression, the Cold War, and the post-Cold War world.

Prerequisite: A grade of C or better in ENG 150, ENG 151 or ENG 153 or equivalent (may be taken concurrently).
SEE Certification: Humanities.

Information Systems

IS 135 - MS Office Applications (3 credits)

Provides students the opportunity to design professional quality business and technical documentation using basic and advanced features of MS Excel including integration with MS Word and MS PowerPoint. Emphasis will be placed on those functions commonly used in the workplace.

Prerequisite: None.

Law

LAW 102 - Introduction to Legal Studies (3 credits)

Provides an overview of the functions of our legal system and the sources and nature of our laws. This course introduces many substantive and procedural areas of law. This course also examines the legal profession, the roles of the paralegal and attorney, and the regulation of attorney and paralegal conduct. Students will begin identifying career goals. This course provides an in-depth examination of legal ethics and introduces students to the types of ethical dilemmas they may face in the work force and to methods for researching the answers to and resolving ethical dilemmas. Legal specialty course (LSC)

Prerequisite: A grade of C or better in ENG 150, ENG 151 or ENG 153 (may be taken concurrently).

LAW 208 - Business Law (3 credits)

Examines the legal aspects of business relationships, contracts, sales and the Uniform Commercial Code, agency, and business organizations law. Restricted to non-legal studies majors.

Prerequisite: None.

Mathematics

MATH 135 - Introduction to Mathematical Reasoning (3 credits)

Surveys applications of various fields of mathematics to everyday life. Topics to be covered include calculation, measurement, and number sense; recognition and interpretation of growth patterns; mathematics in financial decisions; elementary statistics and probability and their uses in decision-making; and other applications.

Prerequisite: A grade of C or better in MATH 005# or by placement.

SEE Certification: Quantitative Literacy.

MATH 136 - Introduction to Statistics (4 credits)

Introduces the student to basic data analysis. Methods include data collection and packaging, discriminating between valid and invalid uses of statistics, and elementary methods for decision making. Topics include measures of central tendency and dispersion, elementary probability, probability distributions, interval estimates of parameters, hypotheses testing, correlation, and regression. Course activities include elementary applications of statistics to a variety of disciplines. A TI- 83, TI-83 Plus, TI-84 calculator, or TI-84 Plus is required for the course.

Credit will not be granted for more than one of the following statistics courses: MATH 115, MATH 136, MATH 140, MATH 210, MATH 235, and PSY 136.

Prerequisite: A grade of C or better in MATH 005# or by placement.

SEE Certification: Quantitative Literacy.

MATH 137 - College Algebra (4 credits)

Introduces the student to solution techniques for equations and inequalities, general properties of functions, properties of polynomials and rational functions, and systems of equations. Course activities emphasize applying acquired algebraic problem-solving techniques and reasoning to real-world and disciplinespecific problems.

Prerequisite: A grade of C or better in MATH 005# or by placement.

SEE Certification: Quantitative Literacy.

MATH 147 - Precalculus (4 credits)

Presents topics of algebra and trigonometry within the framework of algebraic and graphical solutions, as a preparation for calculus. Topics covered include exponential and logarithmic functions, trigonometry, and introductory calculus.

Prerequisite: A grade of C or better in MATH 137 or by placement.

MATH 220 - Calculus I (4 credits)

Introduces the students to calculus. Topics include functions, limits, continuity, derivatives, applications of derivatives, and integrals.

Prerequisite: A grade of C or better in MATH 147 or by placement.

SEE Certification: Quantitative Literacy.

MATH 221 - Calculus II (4 credits)

Continues the study of calculus. Topics include basic differential equations, techniques of integration, improper integrals, and applications of integration, sequences and series.

Prerequisite: A grade of C or better in MATH 220 or MATH 220H.

SEE Certification: Quantitative Literacy.

Management**MGT 204 - Principles of Management (3 credits)**

Examines theories and principles underlying the management process. Students discuss fundamental management activities including planning, organizing, leading, controlling, and decision making.

Prerequisite: A grade of C or better in ENG 150, ENG 151, or ENG 153 (may be taken concurrently).

SEE Certification: Social Science.

Marketing

MKT 206 - Principles of Marketing (3 credits)

Examines the relationship between an organization and the market for its goods and services. Topics covered include the marketing concept, marketing planning, consumer behavior, research, product development, and the marketing mix. Social, ethical, and international aspects of marketing are emphasized.

Prerequisite: A grade of C or better in ENG 150, ENG 151, or ENG 153 or equivalent (may be taken concurrently).

Philosophy

PHIL 101 - Introduction to Philosophy (3 credits)

Explores the nature of philosophical inquiry that underlies all pursuits of knowledge and self-knowledge. In particular, this course will study the thinking of at least three different philosophers and three different branches of philosophy (e.g., metaphysics, ethics, epistemology, or aesthetics). Approaches to such study will vary with course instructor.

Prerequisite: A grade of C or better in ENG 150, ENG 151 or ENG 153 (may be taken concurrently).

SEE Certification: Humanities.

PHIL 104 - Logic (3 credits)

Studies the principles and methods used to distinguish between good and bad reasoning. To this end, students critically examine and attempt to understand key elements of both informal and formal logic.

Prerequisite: A grade of C or better in ENG 150, ENG 151, or ENG 153 (may be taken concurrently).

SEE Certification: Humanities.

Photography

PHOTO 140 - Historic Photographic Processes (3 credits)

Introduces students to historical photographic techniques with an emphasis on black and white film photography and alternative photographic processes. Students will learn manual film camera controls, chemical processing, as well as darkroom and non-silver printing techniques. The class will explore multiple methods of lens-based image making, while students refine their technical and aesthetic competence in the photographic medium. This course includes studio and lecture. Students will need to purchase supplies/materials for this course.

Prerequisite: None.

SEE Certification: Fine Arts.

PHOTO 141 - Basic Digital Photography (3 credits)

Introduces digital photography including the operation of a DSLR camera and introductory level digital photography techniques. Attention will be given to the technical aspects of manual camera control, editing, digital image processing, inkjet printing, and image presentation. Students will learn exposure, digital image enhancement, and preparation of images for print and online viewing. Aesthetic and creative concerns will be emphasized, using photography as a tool for documentation, communication, expression, and emotional appeal. This course also explores making informed choices in composition, subject matter, and framing. Students will need to purchase supplies/materials for this course.

Prerequisite: None.

SEE Certification: Fine Arts.

Physics

PHYS 115 - You Are Here: Earth and Space Sciences (4 credits)

Starts with Earth and its position in the universe and then turns to features closer to home: the ground we stand on, the water we drink, and the air we breathe. Students will study astronomical, geological, hydrological, and meteorological systems, cycles within those systems, interactions of those systems, their effect on our lives, and our effect on those systems. Course includes weekly lab exercises to explore the development, understanding and enrichment of those concepts.

Prerequisite: Eligible for MATH 135 or higher.

SEE Certification: Scientific Reasoning-Laboratory.

PHYS 125 - Astronomy (4 credits)

Provides students with an overview of astronomy, including its history as a science and how its advances reflect the scientific method. Students will explore vast chronological and physical scales, ranging from the size scale and age of intelligent life on Earth to the immense distances between galaxies and age of the Universe since the Big Bang. The basic principles of electromagnetic radiation will be addressed to demonstrate how they relate to astronomical observation and how instruments are used to detect and analyze such radiation. A laboratory with exercises in observational astronomy and its techniques is included.

Prerequisite: Eligible for MATH 135 or higher.

SEE Certification: Scientific Reasoning-Laboratory.

Psychology

PSY 101 - Introduction to Psychology (3 credits)

Introduces students to the main theories, methods, and major findings that characterize psychology as a science. The course presents the scientific basis of psychology and asks students to think critically about the various topics presented. The course addresses psychology's application to issues of everyday life.

Prerequisite: A grade of C or better in ENG 150, ENG 151 or ENG 153 (may be taken concurrently).

SEE Certification: Social Science.

PSY 108 - Human Growth and Development (3 credits)

Provides a lifespan perspective on the growth and development of humans from pre-conception until death.

This course focuses on stability and change in the whole person, including the biological, cognitive, and socioemotional domains. This course presents major theoretical approaches to development that address innate factors, environmental influences, and their interactions.

Prerequisite: A grade of C or better in PSY 101 or PSY 101H

PSY 206 - Child Development (3 credits)

Focuses on theories and research, as well as their application to child and young adolescent development from conception to age twelve. Concentrated attention is given to the physical, cognitive, and social/personality areas of growth. This course does not satisfy major or minor requirements in psychology.

Prerequisite: None.

Religion

REL 116 - Survey of the New Testament (3 credits)

Introduces the literature of the New Testament, with appropriate emphasis given to the background, growth, and thematic content of the Biblical materials.

Prerequisite: A grade of C or better in ENG 150, ENG 151, or ENG 153 (may be taken concurrently).

SEE Certification: Humanities.

REL 202 - World Religions (3 credits)

Surveys the beliefs and practices of selected world religions. This course examines the impact religion has on certain aspects of our lives, such as politics, history, literature, and the arts. This course also seeks to provide the critical tools needed to determine and to evaluate religious influences.

Prerequisite: A grade of C or higher in ENG 150, ENG 151, or ENG 153 (may be taken concurrently).

SEE Certification: Humanities.

Sociology**SOC 101 - Introduction to Sociology (3 credits)**

Introduces building blocks of knowledge in the discipline of sociology, a discipline that examines how humans interact and how their interactions are influenced by social forces.

Prerequisite: A grade of C or better in ENG 150, ENG 151, or ENG 153 (may be taken concurrently).

SEE Certification: Social Science.

SOC 102 - Contemporary Social Problems (3 credits)

Examines pressing social problems by focusing on the way society is organized and how it functions through its institutions. Emphasizing the sociological perspective, students explore definitions, origins, interpretations, and consequences of social problems and solutions to such public concerns as economic inequality, gender inequality, racism, and crime.

Prerequisite: A grade of C or better in ENG 150, ENG 151, or ENG 153 (may be taken concurrently).

SEE Certification: Social Science.