

Course Descriptions • Section 5

General Education

Department	Program	Course	Description	Credits
General Education	GENED	BIOL&160	General Biology is intended to leave the student with an integrated view of the living world. The primary goal of the course is to provide students with exposure to and an appreciation of, basic cellular, molecular, genetic, evolutionary and ecological processes that will assist them in future advanced courses	5
General Education	GENED	BIOL&175	This human anatomy and physiology course includes a brief overview of the human body for the non-science major. Basics of chemistry and cell structure are introduced and then the major systems of the human body are emphasized.	5
General Education	GENED	BIOL&241	The first class in a two-quarter sequence in which human anatomy and physiology are studied using a body systems approach with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization	5
General Education	GENED	BIOL&242	This is the second in a two-quarter sequence in which human anatomy and physiology are studied using a body systems approach with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization	5
General Education	GENED	BIOL&260	This lab focused course is a survey of the biology of organisms too small to see without a microscope. It emphasizes the development of microscopy and culturing skills necessary to investigate the nutrition, growth, metabolism, isolation and identification of medically important bacteria. Lectures cover the concepts of microbial genetics and classification, infectious disease, immunity and immunization.	5
General Education	GENED	BIOL170	An introduction to the basic building blocks of medical terminology with an emphasis on word formation and structure	2
General Education	GENED	CHEM&121	Students in this course explore the structure of matter and how it behaves under various conditions in order to better understand the chemical world. Designed for students with little or no chemistry background. Laboratory activities and extended lecture concepts introduce the students to the experimental process.	5

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General Education	GENED	CHEM&13 1	Introduction to organic chemistry and biochemistry includes the study of the nomenclature, structure, reactions and synthesis of organic compounds and biochemistry applications in the nursing fields. The course is primarily intended for those who are interested in the application of the principles of organic chemistry and biochemistry to related areas of science, such as genetics, microbiology, physiology and nutrition.	5
General Education	GENED	CMST&10 2	This course critically examines core issues in the relationship between media and society, including news and entertainment media in print, electronic and digital format. Through readings, viewings, research and discussion, we examine the historical, cultural, political and economic contexts of media industries, representations and audiences.	5
General Education	GENED	CMST&15 2	This course is an introduction to the intercultural communication process and its importance in contemporary society. Students learn about the values and beliefs of a variety of cultures and develop skills to interact with people from those cultures. Emphasis is on acquiring an increased understanding of the relationship between culture and communication.	5
General Education	GENED	CMST&21 0	This course is designed to increase students' awareness of the value and impact of utilizing improved interpersonal communication skills and strategies.	5
General Education	GENED	CMST&22 0	Introduction to the rhetoric of speech and the preparation and delivery of speech in an extemporaneous style, including ethical research methods, basic rhetoric and critical analysis, and organization of various types of presentations. Two to four speaking assignments are required, plus regular quizzes, peer review and written examination. Online resources will be integrated.	5
General Education	GENED	CMST&23 0	This course is designed to increase students awareness of the value and impact of utilizing improved small group communication skills and strategies.	5
General Education	GENED	ECON&20 1	This course focuses on the theory of the market systems as a method of allocating resources and distributing income and products. Analysis of current problems including government regulation, subsidies, monopoly and taxation	5

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General Education	GENED	ECON&20 2	Introduction to macroeconomics; elementary analysis of the determination of income through national income accounting. Covers macroeconomic issues including inflation, unemployment, economic growth, recessions, monetary/fiscal policy, and international trade and finance. Prerequisite: ECON& 201, MATH 098, and ENGL& 101 is recommended.	5
General Education	GENED	ENGL&10 1	An expository written communication course emphasizing critical thought, reflective reading, and information literacy with attention to rules and conventions of standard American English.	5
General Education	GENED	ENGL175	Enables students in career training programs to think logically and clearly and be effective and convincing in their professional and technical writing. It focuses on development of communication skills essential in a variety of forms of professional writing and technical writing.	5
General Education	GENED	HIST101	This course will trace the history of scientific and technological advancements in the western world. Students will be made aware of the evolution in science from a philosophical and historical perspective. Part of the course will focus on the contributions that significant philosophers, scientists and institutions made to knowledge-making. At the same time, emphasis will also be directed toward the contributions of common, everyday artisans and craftsmen to "discovering", creating and recording scientific and technical knowledge.	5
General Education	GENED	HREL111	This course is an introduction to employment and life skills that encourage self-awareness, self-confidence, and self-discipline that are necessary for college and self-promotion success. Topics include: self-motivation, personal learning styles, self-management, emotional intelligence, study skills, cover letter and resume writing, and interviewing. Students exercise learned skills by journaling, participating in classroom discussions, creating cover letters and resumes, and participating in mock interviews and other work-related situational role plays.	5
General Education	GENED	MACH120	A continuation of the concepts introduced in MACH 111, students study elementary geometry, trigonometry, and Algebra as they apply to the machine shop. (This course meets the RI-Related Instruction for Computation for the AAS)	5

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General Education	GENED	MATH&14 1	In this course students solve functions, function operations, rational, polynomial, exponential, logarithmic and linear functions and equation solving, function graphs, matrices and determinants, sequences and series.	5
General Education	GENED	MATH&14 2	Right and oblique triangle trigonometry, circular functions, graphs of trigonometric functions, identities, inverse trig functions, vectors and polar coordinates, and parametric equations	5
General Education	GENED	MATH&14 6	This course is designed to teach the student counting rules, probability, mean and standard deviation, graphing, confidence intervals, hypothesis testing and regression analysis. Also applications in business, health and technology	5
General Education	GENED	MATH&15 1	Limits and limit laws, continuity, tangents and rates of change, derivatives using definition and differentiation rules for polynomial, exponential, trigonometric, logarithmic and transcendental functions, max/min problems, L'Hospital's rule, Newton's method and antidifferentiation.	5
General Education	GENED	MATH&15 2	Course content includes the Fundamental Theorem of Calculus, definite and indefinite integrals, methods of integration, applications of integration, and improper integrals. The course also includes an introduction to first order differential equations, antiderivatives, definite and indefinite integrals, and methods of integration.	5
General Education	GENED	MATH&15 3	Emphasizes the study of infinite sequences and series including power series. Topics include plane analytic geometry, graphing in polar coordinates, and an introduction to vectors.	5
General Education	GENED	MATH171	Application of linear and quadratic equations, systems of equations, geometry and trigonometry and vectors and their applications in the technical workplace.	5
General Education	GENED	MATH172	Equation solving, exponents, markup, income tax, compounding interest, logarithms and finding time, annuities, amortization and business statistics.	5
General Education	GENED	MATH173	Mathematics for Early Childhood Educators focuses on the conceptual understanding, connections between and the application of math concepts. Concepts include number systems and computation, geometry, measurement, data analysis, probability and statistics, and problem solving. Emphasis is placed on the ability to communicate mathematical concepts in ways appropriate for young children.	5

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General Education	GENED	MATH174	Mathematical concepts for allied health fields including systems of measurement, use of formulas, ratios and proportions in health applications; and basic statistics	5
General Education	GENED	NUTR&101	Study of human nutrition and health. Topics include digestion, absorption and processing nutrients in the body; chemistry and functions of the major nutrients: carbohydrates, fat, protein; vitamin and mineral functions; food, culture and diet, energy balance, diet and metabolism; fitness and health; nutrition of the life cycle, food safety and local and world hunger issues	5
General Education	GENED	PHYS&221	Physics for people with an interest in becoming scientists or engineers. Topics covered will be kinematics, dynamics, momentum, and energy. Four hours of lecture and two hours of lab weekly.	5
General Education	GENED	PHYS&222	Topics covered will include electromagnetism, oscillations, and gravitation. Four hours of lecture and two hours of lab weekly.	5
General Education	GENED	PHYS&223	Topics covered will include waves, fluids, optics, and modern physics.	5
General Education	GENED	POLS&101	This course is an introduction to American government and politics. Students will study the United States Constitution, governmental institutions, the political system, and the regulatory processes embedded within the document. The course format is lecture/discussion.	5
General Education	GENED	PSYC&100	Introductory psychology for people with an interest in all that influences human behavior. Whether planning a career in psychology or gaining insights about yourself and others, you will find this a useful and interesting open enrollment course of study.	5
General Education	GENED	PSYC&200	This course is an introduction to the various states of human development. Emphasis is on the major theories and perspectives and their relationship to the physical, cognitive and psychosocial aspects of development across the lifespan.	5
General Education	GENED	SOC&101	This course is a general survey of sociology, the scientific study of the group life of humans in their environment. The course introduces the basic principles of social relationships, collective behavior, and human interaction. These principles are applied to the study of culture; race, gender, and class inequality; deviance; law; social institutions; and social change.	5