

# General Education Course Descriptions

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## COMMUNICATION

*All three courses are required.*

**ENGL 1010: Expository Writing.** Emphasis on learning to adapt composing processes to a variety of expository and analytic writing assignments.

**ENGL 1020: Research and Argumentative Writing.** Emphasis on analytic and argumentative writing and on locating, organizing, and using library resource materials in the writing.

**COMM 2200: Fundamentals of Communication.** Principles and processes of public oral communication including research, critical thinking, organization, presentation, and listening. Emphasis on informative, persuasive, special occasion, and extemporaneous (impromptu) speeches.

## HISTORY (6 credits)

*Choose two. \*\*HIST 2040 & 2050 do not fulfill high school history deficiency.*

**HIST 2010: Survey of United States History I.** Survey of the political, economic, social, cultural, and diplomatic phases of American life in its regional, national, and international aspects. Discusses the era from the beginning to 1877.

**HIST 2020: Survey of United States History II.** Survey of the political, economic, social, cultural, and diplomatic phases of American life in its regional, national, and international aspects from 1877 to the present. (You do *not* have to take HIST 2010 first before taking this!)

**HIST 2030: Tennessee History.** The role of the state in the development of the nation.

**HIST 2040\*\*: Survey of African American History I.** The role of African Americans in establishing and shaping the American nation. Covers their historical development and contributions to American art, music, literature, and religion.

**HIST 2050\*\*: Survey of African American History II.** The role of African Americans in shaping the American nation and creating a twentieth-century racial identity. Covers their historical development and examines their contributions to American art, music, literature, and religion. (You *don't* have to take 2040 1st before taking this!)

## HUMANITIES (9 credits)

*One course must be Literature (see below); the other two selected must be with different prefixes.*

**ANTH 2210: Introduction to World Prehistory.** Cultural change over the past four million years as interpreted through archaeology. The development of hunting and gathering through the origins of agriculture and the appearance of the world's first civilizations.

**ART 1030: Art Appreciation.** An introduction to art structure and styles of art; relationships between past ideas and current trends.

**DANC 1000: Introduction to Dance.** Dance as an expressive art form, a symbolic language, and an integral aspect of world cultures.

**HIST 1010: Survey Western Civilization I.** A survey of Western humanity from the earliest cultures to 1715.

**HIST 1020: Survey Western Civilization II.** A survey of Western humanity since 1715.

**HIST 1110: Survey World Civilization I.** A global approach to history, with cultural interchange as a major thematic focus; reasons for the rise and decline of civilizations.

**HIST 1120: Survey World Civilization II.** The impact of Western expansion upon the indigenous civilizations of Asia, Africa, and the Americas; their mutual interchange in the creation of the modern world.

**MUHL 1610: The World of Music.** A study of culture and music through a chronological survey of styles, genres, and composers of Western art music and through the comparative study of various non-Western musical practices.

**MUS 1030: Introduction to Music.** Perceptive listening to music of various styles and cultures including popular and world musics and Western classical concert music.

**PHIL 1030: Introduction to Philosophy.** Basic philosophical problems suggested by everyday experience integrated into a coherent philosophy of life through comparison with solutions offered by prominent philosophers.

**THEA 1030: Introduction to Theatre.** Overview of theater as an art form. Appreciation and understanding of the production process.

## LITERATURE COURSES

*Choose one.*

**ENGL 2020: Themes in Literature and Culture.** Traces a specific theme or idea through a number of literary texts that reflect different historical and cultural contexts.

**ENGL 2030: The Experience of Literature.** The reading of a variety of literary types which illuminate themes and experiences common to human existence.

**HUM 2610: Foreign Literature in Translation.** Representative works of French, German, and Hispanic authors in English translation. No foreign language proficiency required.

## MATHEMATICS (3 credits)

*Choose one; your major might require a specific math.*

**MATH 1010 or MATH 1010 K (based on ACT/SAT or COMPASS Math sub-scores):**  
**Mathematics for General Studies.** Logic, sets, algebraic reasoning, probability, statistics, and consumer mathematics.

**MATH 1530 or MATH 1530 K: Applied Statistics.** Descriptive statistics, probability, and statistical inference. The inference unit covers means, proportions, and variances for one and two samples, and topics from one-way ANOVA, regression and correlation analysis, chi-square analysis, and nonparametrics. Required for Nursing majors.

**MATH 1630: College Mathematics for Managerial, Social, and Life Sciences. Prerequisites:** Two years of high school algebra and a Math Enhanced ACT greater than 25 or MATH 1710. Topics include solving systems of linear equations, Leontief models, linear programming, mathematics of finance, set theory, and probability theory. Required for College of Business majors.

**MATH 1710 or MATH 1710 K (based on ACT/SAT or COMPASS math sub scores):** College Algebra. Topics include functions-linear, quadratic, exponential, and logarithmic; analysis of graphs; linear systems; inequalities; counting principles; and probability. Graphing calculator required.

**MATH 1720: Plane Trigonometry.** Prerequisite: Strong background in algebra recommended. Trigonometric functions of the acute and general angle, circular functions, graphs of trigonometric and inverse functions, identities, solutions of right and general triangles, equations, complex numbers, and vectors.

**MATH 1730: Pre-Calculus.** Prerequisite: MATH 1710 or successful completion of high school pre-calculus course. An integrated and rigorous study of the algebra and trigonometry needed to successfully attempt calculus. Emphasis on functions, their analysis, and their applications. Level of algebraic sophistication developed above that found in MATH 1710. Topics include exponentials and logarithms, analysis of graphs, and word problems. Graphing calculator required.

**MATH 1810: Applied Calculus I.** Prerequisite: Eligibility to take MATH 1710. Introduces mathematical modeling applied to real-world problems. Sets, functions, inverse models, limits, continuity, first and second order model building, single variable differentiation, implicit differentiation, inverse problems (exponential and log models). First and second derivatives used to study the behavior of real-world applications.

**MATH 1910: Calculus I:** Prerequisite: MATH 1730. An introduction to calculus with an emphasis on analysis of functions, multidisciplinary applications of calculus, and theoretical understanding of differentiation and integration. Topics include the definition of the derivative, differentiation techniques, and applications of the derivative. Calculus topics related to trigonometric, exponential, and logarithmic functions also included. Course concludes with the fundamental theorem of calculus; the definition of antidifferentiation and the definite integral; basic applications of integrations; and introductory techniques of integration. Graphing calculator required.

## **NATURAL SCIENCES (8 credits)**

*The two courses selected must have different prefixes; your major might require specific courses.*

**ASTR 1030/1031: Exploring the Universe.** A general introduction to astronomy through an overview of planets, stars, systems of stars, and the overall structure of the universe. Topics will be discussed by answering questions such as “How do you weigh stars?” and “Will the universe die?”

**BIOL 1030/1031: Exploring Life.** Offers understanding, experiences, and skills related to common biological issues. Includes class discussions, small group activities, lectures, selected readings, and laboratory investigations.

**BIOL 1110/1111: General Biology I.** Primarily for Biology majors and minors and other science-oriented students. Biological principles and processes, including introduction to the nature of science, cells, genetics, evolution, viruses, bacteria, protists, and fungi.

**BIOL 2010/2011, 2020/2021: Human Anatomy and Physiology I and II.** Meets requirements for many pre-health professional programs including nursing. Structure and function of humans covered. Required for Nursing majors.

**CHEM 1010/1011: Introductory General Chemistry I.** For students with no prior courses in chemistry; to be taken before CHEM 1110. Fundamental concepts of chemistry: measurements, matter, chemical bonds, chemical reactions, nuclear chemistry, states of matter, solutions, and electrolytes.

**CHEM 1030/1031: Chemistry for Consumers.** Language, development, structure, and role of chemistry as it relates to knowledge and activities of the educated person. Examples will be taken from medicine and human health, environmental pollution, energy and its costs, etc.

**CHEM 1110/1111: General Chemistry I.** Fundamental concepts of atomic structure, molecular structure and bonding, chemical reactions, stoichiometric relationships, periodic properties of the elements, thermochemistry, and properties of gases.

**GEOL 1030/1031: Introduction to Earth Science.** The earth and its relationship to its space and environment emphasized. Forces and processes which combine to mold the face of the earth and its atmosphere, as well as the internal constitution of the earth.

**GEOL 1040/1041: Physical Geology.** The origin, composition, and structure of the solid earth: rock-forming minerals; igneous, sedimentary, and metamorphic rocks; earthquakes and plate tectonics; surface processes; geologic time.

**PGEO 1030: Physical Geography.** The physical earth as the home of humans. The global earth in space, tools of the discipline, the atmosphere, the hydrosphere, and the biosphere. Field trips may be required. Combined lecture/laboratory sessions under one course number.

**PHYS 1110: Discovering Physics.** Prerequisite: MATH 1710, 1730, or 1630. Uncover the fundamental concepts of physics in a hands-on approach that involves observations, measurements, forming hypotheses, and validation of ideas in groups of students' peers. Combined lecture/laboratory sessions under one course number.

**PHYS 2010/2011: Non-Calculus-Based Physics I.** Kinematics, forces, momentum, angular motion, calorimetry, and sound waves.

**PHYS 2110/2111: Calculus-Based Physics I.** A calculus-based introduction to mechanics and wave motion.

**PSCI 1030/1031: Topics in Physical Science.** Language development, structure, and role of physical science (physics, chemistry, astronomy, and geology) as it relates to the knowledge and activities of the educated person.

**PSCI 1130/1131: Contemporary Issues in Science.** Lecture portion of course emphasizing the application of basic concepts in science to topics of contemporary interest to the general citizenry. Basic science related to selected topics will be covered. Laboratory and activity portion of course emphasizing the application of basic concepts in science to topics of contemporary interest to the general citizenry. Includes laboratory activities, group oriented problem-solving using computers, class discussion of selected contemporary issues in science. Specific topics will vary.

## **SOCIAL AND BEHAVIORAL SCIENCES (6 credits)**

*Choose two from different prefixes; your major might require specific courses.*

**AAS 2100: Introduction to African American Studies.** Introductory interdisciplinary course which examines the African American experience from enslavement through the present; social, religious, political, and cultural interactions evolving from that experience.

**ANTH 2010: Cultural Anthropology.** A comparative examination of the cultural organization of human behavior in societies around the world. Practical applications and the importance of intercultural understanding stressed.

**ECON 2410: Principles of Economics, Macroeconomics.** As an aid to understanding modern economic society: economic concepts of national income and its fluctuations, inflation, unemployment, role of the banking system, monetary and fiscal policies, and international topics. Required for College of Business majors.

**ECON 2420: Principles of Economics, Microeconomics.** As an aid to understanding modern economic society: economic concepts of consumer and firm behavior; the pricing of goods, services, and productive factors; international topics; and an overview of the American economy.

**EMC/JOUR/RIM 1020: American Media and Social Institutions.** The power of the mass media and its effect on social institutions and practices. Develops skills of qualitative and quantitative social science research in the area of mass communication processes; examines media as social, cultural, and economic institutions that shape the values of American society, its political dialogues, its social practices, and institutions.

**GEOG 2000: Introduction to Regional Geography.** Examines world regions using the geographical perspective, identifying the main physical and cultural features, especially through the use of maps.

**GS 2010: Introduction to Cross-Cultural Experiences.** Establishes a broad-based foundation for understanding varying perspectives and values in a culture other than one's own. Differing global and international views on cultural and environmental issues past, present, and future. The student's cultural background will be used for comparative purposes.

**HLTH 1530/1531: Health and Wellness.** Explores the role and importance of health and wellness in the lives of individuals and society in general. Laboratory venues will allow opportunities for assessment of lifestyles, decision-making, and research data on health and wellness.

**PS 1005: American Government and Politics.** Constitutional principles, functions, and administration of American federal government; Congress, the Presidency, and the Supreme Court.

**PS 1010: Introduction to Global Politics.** Comparative theories and institutions of government. Law, constitutions, power, political socialization, ideologies, and the media.

**PSY 1410: General Psychology.** Introductory survey course. Includes biological foundations, perception, principles of learning, intelligence, motivation, emotion, human development, personality, social psychology, behavior disorders, and psychotherapy. Required for Nursing and Psychology majors.

**RS 2030: Religion and Society.** Introduces the academic study of world religions with an emphasis on the ways religion both influences and is influenced by society and human behavior.

**SOC 1010: Introductory Sociology.** Covers the central concepts, theories, and methods of sociology. Focuses on social processes and institutions in modern societies. Assists students in understanding and applying this knowledge in their everyday lives.

**SOC 2010: Social Problems.** A survey of issues defined as problems by society; examines programs and agencies that address them. Problems addressed include poverty, crime, environment, energy, health, etc.

**WGST 2100: Introduction to Women's Studies.** Designed to inform and enlighten students about the lives and history of diverse women and the social construction of gender. Areas of study may include work, the family, health, sexuality, violence in women's lives, images of women, and feminist activism.

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