



General Education Course Descriptions

(Adapted from 2020-2021 University Course Catalog and Learning Outcomes)

Orientation (1 Credit Hour Required)

UNIV 1000 Service to Leadership. An integral part of the first year experience is the Freshman Orientation: Service to Leadership course. The course covers information to enhance student understanding of higher education, transitioning from high school to college, and addressing the development of important skills such as critical thinking, writing, test-taking, career exploration, and time management. Building leadership skills and an appreciation of civic engagement are core components of the course to be accomplished through service learning activities. No Prerequisites.

Course requirement is waived for transfer students who have completed more than 60 credits.

Communication (9 Credit Hours Required)

The goal of the communication requirement is to enhance the effective use of the English language essential to students' success in school and in the world by way of learning to read and listen critically and to write and speak thoughtfully, clearly, coherently, and persuasively.

ENGL 1010 Freshman English I (3). An introduction to the fundamentals of written composition and communication through the study of illustrative essays, as well as an introduction to the reading and critical analysis of essays. Grammar and mechanics, insofar as they are an integral part of developing proficiency in writing, are covered in the course. Those students who do not demonstrate satisfactory performance in the use of grammar and mechanics are required to attend the Writing Center. Successful completion of 1010 is a prerequisite for English 1020. **All degree-seeking students must earn at least a C in this course.**

ENGL 1020 Freshman English II (3). An introduction to more advanced techniques of composition through the study of literature. The analysis and explication of literature serve as topics for discussion, study, and writing of themes. Special attention is paid to the writing of the literary review and the research paper. Those students who do not demonstrate satisfactory performance in the use of grammar and mechanics are required to attend the Writing Center. Prerequisite: successful completion of English 1010. **All degree-seeking students must earn at least a C in this course.**

COMM 2200 Public Speaking (3). Principles of speech composition and delivery with emphasis on preparing and presenting the various forms of oral communication. *This course satisfies the University general education core oral communication requirement.

Humanities/ Fine Arts (9 Hours Required, 3 of the 9 hours must be an ENGL Literature)

The goal of the humanities and/or fine arts requirement is to enhance the understanding of students who, as citizens and educated members of their communities, need to know and appreciate their own human cultural heritage and its development in a historical and global context. Also, through study of humanities and/or fine arts, students will develop an understanding of the present as informed by the past.

ART 1010 Art Appreciation (3). A course for all students interested in understanding the visual arts in everyday experiences. The course surveys the visual arts, including fundamental and historical distinctions between and connections between global art forms. This course may be used towards satisfying the University's humanities requirement.

AREN 2310 Architectural History (3). A survey of architectural styles of the past to the present time. A comparative methodology is applied. Emphasis includes the geographical, geological, climatic, religious, technological, social and political factors. Humanities Elective (Gen. Education)

MUSC 1010 Music Appreciation (3). Emphasis upon development of listening skill and on a broad repertoire of literature, including both Western and Nonwestern music. History is included to help provide deeper meaning to the development of the music being studied. Course applies toward satisfaction of University general education humanities requirement.

HIST 1000 Global Culture in History (3). An exploration of cultural diversity in a global historical context. Focusing on a particular element of human culture, the course examines how historians develop an understanding of this subject and use primary sources to construct a narrative. May be applied to the Humanities requirement of the General Education Core.

PHIL 1030 Introduction to Philosophy: Moral Issues (3). A course addressing many of the most pressing ethical issues we face, such as euthanasia, abortion, preferential hiring, sex, animal rights, mass starvation, punishment, violence, pacifism, and civil disobedience. May be used toward satisfying University humanities requirement.

THTR 1020 Appreciation of Drama (3). Introduction to dramatic principles through the study of major periods and representative plays from the Greek period to the present. Course may be used toward satisfying University humanities requirement. Course is required for THTR majors with a grade of "C" or better.

RELS 2010 Introduction to Religious Studies (3). Current issues in religious studies: ethics, theology, and history of religion. May be used toward satisfying the University humanities requirement.

ENGL 2110, 2120 American Literature (3, 3). A survey of American literature from the first European settlements to the present time. The first semester covers from the beginning to the Civil War, and the second covers the period since the Civil War. **Prerequisite: Completion of ENGL 1010 and ENGL 1020 with minimum grade of "C".**

ENGL 2310, 2320 World Literature (3, 3). A survey of world literature from the beginnings in the Far East and Middle East until the present time. The first semester treats literature through the Renaissance (approximately 1650), and the second treats the Renaissance to the present. **Prerequisite:** Completion of ENGL 1010 and ENGL 1020 with minimum grade of "C".

ENGL 2012, 2022 Literary Genres (3, 3). An approach to literature from the point of view of the genre, or type, of work to be studied. The first semester takes up the short story and the novel, the second poetry and drama. **Prerequisite:** Completion of ENGL 1010 and ENGL 1020 with minimum grade of "C".

ENGL 2013, 2023 Black Arts and Literature (3, 3). A study of the contributions of black artists and writers to world culture, especially American culture. The first semester treats oral tradition, poetry, drama, and music; the second semester covers the short story, essay, and novel. **Prerequisite:** Completion of ENGL 1010 and ENGL 1020 with minimum grade of "C".

ENGL 2210, 2220 Survey of English Literature I, II (3, 3). A survey of English literature from its origins until the present. The first semester concludes with the end of the eighteenth century, and the second semester covers the period since 1800. **Prerequisite:** Completion of ENGL 1010 and ENGL 1020 with minimum grade of "C".

Social and Behavioral Sciences (6 Hours Minimum Required)

The goal of the social/behavioral sciences requirement is: (a) to develop in the student an understanding of self and the world by examining the content and processes used by social and behavioral sciences to discover, describe, explain, and predict human behavior and social systems; (b) to enhance knowledge of social and cultural institutions and the values of this society and other societies and cultures in the world; and (c) to understand the interdependent nature of the individual, family, and society in shaping human behavior and determining quality of life.

AFAS 2010 Introduction to Africana Studies (3). A course which defines the subject matter, concepts, principles, scope, and goals of Africana Studies. Reflecting the interdisciplinary nature of Africana Studies, this course is a survey of the African world community, from the perspectives of the humanities and social sciences, science and technology, and the expressive arts. Course may be used to satisfy the University's social science requirement. Required of all Africana Studies minors.

ANTH 2300 Introduction to Cultural Anthropology (3). The nature of culture and society. Content includes concepts and theories of social structure, social organization, ecology, change, and the role of the individual. Course may be used to satisfy the University requirement in social science.

ECON 2010: Principles of Economics I (3). Methodology of economics, fundamentals of macroeconomics, fiscal policy, and fundamentals of monetary policy, global issues. **Prerequisite:** Math 1110.

ECON 2020: Principles of Economics II (3). Economic growth and microeconomics, some domestic and international applications, market structure, role of pricing mechanism environmental issues. **Prerequisite:** ECON 2010.

GEOG 1010, 1020 World Regional Geography I, II (3, 3). A survey of the geographic regions of the world, including studies of the physical character of the land, resources, economics, and cultures. Courses are designed to provide general background in world geography; they are required for History majors, Geography minors, and some teacher education programs. Both courses may be applied toward the Social Science requirement of the General Education Core.

HPSS 1510 Health and Wellness (3). A course concerned with placing emphasis on health through a consideration of various conditions which affect health. It includes a comprehensive coverage of important trends on major health areas such as communicable diseases, drugs, nutrition, and those involving the psychological or adjustive processes and those of a psychological or biological nature. A requirement for students fulfilling the core in general education.

POLI 1010 Introduction to Political Sciences (3). The crucial ideas, questions, problems, and methods involved in human attempts to achieve order, justice, and welfare in politics. The ideas, institutions, processes, and behavior associated with modern democratic political systems are emphasized. The meaning of such concepts as freedom, authority, equality, and constitutionalism is explored in depth. Required of all Political Science majors. POLI 1010 is a prerequisite for all upper-level Political Science courses. Course may be applied toward the Social Science requirement of the General Education Core.

POLI 2010 American National Government (3). The foundation, organization, and principles of American national government. Attention is focused on the relations of the citizens to the government and the rights, duties, and obligations of citizen. Required of all Political Science majors. POLI 2010 is a prerequisite for all upper-level Political Science courses. Course may be applied toward the Social Science requirement of the General Education Core.

PSYC 2010 General Psychology (3). The basic course in introductory psychology for majors and non-majors. The course introduces students to the fundamental concepts of psychological methodology, basic psychological processes, learning memory, motivation, and emotions. The course is a prerequisite for all upper division psychology courses, as well as PSYC 2125 and PSYC 2185.

SOCI 2010 Introduction to Sociology (3). Introduction to sociology as a scientific discipline. Subject matter includes sociological concepts, sociological processes, and social institutions, including family and education. Course satisfies University social science requirement. Required of all Social Work and Sociology majors.

WMST 2000. Introduction to Women's Studies. (3). This introductory course to the Women's Studies program and minor offers a conceptual and theoretical baseline from which each student may develop her/his trajectory of study. The course is expressly multidisciplinary and multicultural; it explores feminist theories and looks at women and gender as treated in the humanities, social sciences, and sciences. This introduction may be team taught and may represent ideas from the perspectives of faculty within differing disciplines. No prerequisites.

URBS 2010 Introduction to Urban Studies (3). An introduction to the study of cities and metropolitan areas that focuses on the interdisciplinary nature of the field. Readings from the fields of Economics, Geography, History, Political Science, Sociology, Social Work, and Health Sciences are included with a special focus on the multi-racial, ethnic and cultural forces that have shaped the city. Various policy issues facing urban areas will also be examined. A service learning component is part of the course requirement.

History (6 Hours Minimum Required)

The goal of the History requirement is to develop in students an understanding of the present that is informed by an awareness of past heritages, including the complex and interdependent relationships between cultures and societies.

HIST 2010 American History I (3). A study of the development of cultural, economic, and political institutions in America from pre-Columbian times to 1877. The course may be applied toward the History requirement of the General Education Core. **Prerequisite:** Completion of ENGL 1010 and 1020 with a minimum grade of "C".

HIST 2020 American History II (3). A study of the development of cultural, economic, and political institutions in America since 1877. The course may be applied toward the History requirement of the General Education Core. **Prerequisite:** Completion of ENGL 1010 and 1020 with a minimum grade of "C".

HIST 2030 History of Tennessee (3). A study of the state from neolithic time until the present day. It includes a survey of social, cultural, economic, and political developments which have influenced Tennessee's growth and development. The course may be applied toward the History requirement of the General Education Core. **Prerequisite:** Completion of ENGL 1010 and 1020 with a minimum grade of "C".

HIST 2060, 2070 World History I, II (3,3). A survey of the major societies and civilizations of Asia, Africa, the Middle East, and the West – their geography, major economic and social structures, political systems, religions, and philosophies. The first course covers the period from pre-history to about 1500 CE, and the second covers the period from 1500 to the present. Both courses may be applied toward the History requirement of the General Education Core. **Prerequisite:** Completion of ENGL 1010 and ENGL 1020 with minimum grade of "C".

HIST 2700 The African American Experience (3) A chronological and thematic study of the history of African Americans in the United States from fifteenth-century West Africa to the present, paying particular attention to the impact Africans and their descendants have had on the creation of American society and their sustained efforts to obtain equality. Students enrolled in the course will use an examination of the lives and writings of African American authors, sources, and scholars as the primary lens to understand the significant events, themes, and experiences of the descendants of the enslaved Africans brought to the United States. May be applied toward the History requirement of the General Education Core. **Prerequisite:** Completion of ENGL 1010 and ENGL 1020 with minimum grade of "C".

Natural Sciences w/ Lab (8 Hours Minimum Required)

Issues in today's world require scientific information and a scientific approach to informed decision making. Therefore, the goal of the Natural Science requirement is to guide students toward becoming scientifically literate. This scientific understanding gained in these courses enhances students' ability to define and solve problems, reason with an open mind, think critically and creatively, suspend judgment, and make decisions that may have local or global significance.

ASGC 2400 Fundamentals of Environmental Sciences (4). This course focuses on current environmental issues and the effects human disturbances have on the environment. This course will take an interdisciplinary perspective to address the many facets of environmental science and will encompass areas of chemistry, biology, forestry, and animal, soil, water, air, and plant sciences. Prerequisites: None

ASTR 1010 Astronomy I (4). The first course in a 2 semester sequence in astronomy. History of astronomy, development of theory, astronomical equipment and observational techniques. Course concentrates on the solar system, the sun, the planets, interplanetary matter, comets and meteors. **Prerequisite:** Math 1110 or Math 1720 or Math 1830 or the equivalent.

ASTR 1020 Astronomy II (4). The second course in an introductory 2 semester sequence in astronomy. Course concentrates on stars and galaxies, quasars, pulsars, black holes and cosmology. **Prerequisite:** ASTR 1010.

BIOL 1010, 1011 and 1020, 1021 Introductory Biology I, II and Laboratory (4, 4). An interdisciplinary course for non-science majors involving the principles of mathematics, chemistry, physics and biology. The objective of the course is to integrate the areas as they are related to living organisms. Three hours lecture and two hours laboratory per week.

BIOL 1110, 1111 and 1120, 1121 General Biology I, II and Laboratory (4, 4). A general biology course for science majors that covers structure, function, and life characteristics of organisms. The objective of the course is to provide students a survey of living organisms and the processes required for life.

BIOL 2210, 2211 and 2220, 2221 Human Anatomy and Physiology and Laboratory (4, 4). The fundamentals of the structure, function, and organization of the organ systems of man. These courses should be taken in sequence. *(BIOL 2210/2211 and BIOL 2220/2221 are approved general education courses for Nursing and Health Sciences majors only)*

CHEM 1030 (3) and 1031 (1) General Chemistry for Non-Science Majors I and Laboratory. A course for non-science majors that focuses on the application of chemistry to society. Topics such as air and water pollution, ozone depletion, global warming, energy, acid rain, and other current environmental issues will be surveyed and implications for personal and societal decisions explored. Laboratory component focuses on the principles learned in lecture. Three lectures and one three-hour laboratory per week. Offered in fall and spring.

CHEM 1040 (3) and 1041 (1) General Chemistry for Non-Science Majors II and Laboratory. A continuation of CHEM 1030, 1031. Prerequisites: CHEM 1030, 1031. Three lectures and one three-hour laboratory per week. Offered in fall and spring.

CHEM 1110 (3) and 1111 (1) General Chemistry I and Laboratory. A comprehensive study of chemical principles designed for students pursuing a career in chemistry or other scientific areas. Topics include the metric system and scientific notation, compounds of matter, nomenclature, composition and reaction stoichiometry, types of chemical reactions, thermochemistry, atomic structure, theories of bonding, gases and the kinetic molecular theory, liquids, solids, and thermodynamics. Laboratory complements lecture topics and emphasizes qualitative and quantitative measurements and data interpretation.

CHEM 1120 (3) and 1121 (1) General Chemistry II and Laboratory . A continuation of CHEM 1110, 1111. Topics include solutions, acid/base reactions, chemical thermodynamics, chemical kinetics, gaseous equilibria, acid/base and solubility chemical equilibria, electrochemistry, nuclear chemistry, and descriptive organic and inorganic chemistry. Laboratory complements lecture topics and emphasizes qualitative and quantitative measurements, and data interpretation and manipulation. **Prerequisites:** CHEM 1110, 1111.

PHYS 1030 Conceptual Physics (4). This course is designed to present aspects of conceptual physics of interest to students in music, communications, and other artistic and non-scientific disciplines. Students will gain the ability to understand and explain physics concepts of dance and movement, musical instruments and the human voice, light and color, and electronic devices related to music and sound. There is a one 2-hour lab each week employing the use of scientific instrumentation to demonstrate and measure the physical principles of the course. This course does not count toward the minor in physics.

PHYS 2010 College Physics I (3). The first course in a non-calculus based introductory physics sequence. Topics included are mechanics and sound. The course presents the basic principles of physics. It is required of biology, pre-medicine, and allied health profession majors. **Prerequisite:** grade of C or better in MATH 1720, or 1730.

PHYS 2011 College Physics I Laboratory (1). One two-hour laboratory each week. This course is designed to be taken concurrently with the corresponding lecture course, PHYS 2010.

PHYS 2020 College Physics II (3). The second course in a noncalculus-based physic sequence. Topics included are heat, light, electricity, magnetism, and modern physics. **Prerequisite:** grade of C or better in PHYS 2010.

PHYS 2021 College Physics II Laboratory (1). One two-hour laboratory each week. This course is designed to be taken concurrently with the corresponding lecture course, PHY 2020. Offered in fall, spring, and summer.

PHYS 2110 General Physics I (3) (Formerly PHYS 2030). Principles of mechanics, gravitation, fluid mechanics and sound. The first course in calculus-based physics sequence that is intended for student with majors in physics, engineering, mathematics, or a physical science. PHYS 2110, with accompanying laboratory, is required of all Physics and Mathematics majors. **Prerequisite:** MATH 1720 and 1910; **Corequisite:** MATH 1920.

PHYS 2111 General Physics I Laboratory (1). One two-hour laboratory per week designed to be taken concurrently with the corresponding lecture course, PHY 2110. Required of all Physics and Mathematics majors.

PHYS 2120 General Physics II (3). Principles of heat, electricity, magnetism, and optics. The second course in calculus-based physics sequence. PHYS 2120 with accompanying laboratory, is required of all Physics and Mathematics majors. **Prerequisite:** PHYS 2110 with C or better.

PHYS 2121 General Physics II Laboratory (1). One two-hour laboratory per week designed to be taken concurrently with corresponding lecture course, PHYS 2120. Required of all Physics and Mathematics majors.

Mathematics (3 Hours Minimum Required)

The goal of the Mathematics requirement is to expand students' understanding of mathematics beyond the entry-level requirements for college and to extend their knowledge of mathematics through relevant mathematical modeling with applications, problem solving, critical thinking skills, and the use of appropriate technologies.

MATH 1013 Contemporary Mathematics (3). An Introduction to the mathematics used in our society. It includes elements of mathematical thought, inductive and deductive reasoning, and problem solving. Some of the topics included are graphics, counting techniques, number sequences, probability and statistics. This course satisfies the general education mathematics requirement.

MATH 1110 College Algebra I (3). Graphs, relations, functions, inequalities, polynomials, exponents, radicals, logarithms, and exponential functions. Prerequisites: two years of high school algebra or the equivalent, or one year of high school algebra and one year of geometry, or the equivalent.

MATH 1410, 1420 Structure of the Number System I, II (3, 3). Set theory; relations; functions; inverses; order properties; systems of numeration; rational and irrational numbers; elementary number theory; mathematical systems; algorithms for the fundamental operations on whole numbers, integers, fractions, decimals, percent, ratio and proportion; equations; problem-solving; measurement in the metric system; elements of algebra; plane and solid geometry; elementary statistics.

MATH 1710 Precalculus I (3). A course which with MATH 1720 provides the student with the foundation necessary to enter the calculus sequence. The topics include the study of polynomial, rational, exponential and logarithmic functions, and matrices. **Prerequisites:** 19 on the Math portion of the ACT.

MATH 1720 Precalculus II (3). A continuation of MATH 1710. Topics include right triangle trigonometry, trigonometric 116 functions, analytic geometry, conic sections, sequences, and notation. **Prerequisite:** grade of C or better in MATH 1710, a score of 20 on the Math portion of the ACT, or permission of the Department Chair.

MATH 1730 Precalculus, Alternate (3). Integrated college algebra and trigonometry. This course provides the student with the background necessary to enter the calculus sequence. Topics include polynomials; rational functions; exponential, logarithmic, and trigonometric functions; analytic geometry; and conic sections. **Prerequisites:** MATH 1110 with grade of "A" or a score of 25 on the Math portion of the ACT.

MATH 1830 Basic Calculus I (3). An introduction to the basic concepts of differential and integral calculus, with applications oriented towards economics, business, and the social sciences. **Prerequisite:** grade of C or better in MATH 1110, or a score of 21 on the Math portion of the ACT, or permission of the Department Chair.

MATH 1910 Calculus I (4). Part of the sequence MATH 1910, 1920 recommended for Mathematics, Physics, Chemistry, and Biology majors. Topics include functions, graphs, limits, derivatives with applications, and the definite integral with applications. **Prerequisite:** grade of C or better in MATH 1720 or 1730, a score of 25 of the Math portion of the ACT, or permission of the Department Chair.