CU Succeed Approved Course Offerings

**Biology**

**BIOL 1136: Human Biology** – 3 CR – Topics include: basic human body chemistry, healthy internal body balance, new disease treatments, human inheritance and human beings as part of Earth's living systems.

**BIOL 1550: Basic Biology I** – 4 CR – Introduces important biological concepts, including: the process of science, biological diversity, evolution, basic ecological principles and environmental issues. Lectures emphasize current issues. **This is a Guaranteed Transfer List course.**

**BIOL 1560: Basic Biology II** – 4 CR – Introduces students to cell structure and function, survey of representative human systems, genetics and applications of biotechnology. Immune systems featured with an emphasis on Aids, cancer and other human diseases prevalent in today's world. **This is a Guaranteed Transfer List course.**

**BIOL 2051: General Biology I** – 3 CR – Introduces four major areas of study: (1) the chemistry of biological systems; (2) the structure and function of the cell; (3) cellular energy transformations (photosynthesis and respiration); and (4) genetics (mitosis, meiosis, patterns of inheritance, molecular genetics). This class is intended for students planning to take upper division biology courses and for biology majors. Biology majors and pre-health career students must also take the accompanying laboratory - BIOL 2071. It is recommended that students have completed CHEM 1000 or high school chemistry prior to taking this course. **This is a Guaranteed Transfer List course.**

**BIOL 2061: General Biology II** – 3 CR – This course is a continuation of BIOL 2051. Introduces four major areas of study: (1) evolution, (2) animal structure and function, (3) plant structure and function and (4) ecology. Prereq: BIOL 2051 or 2095 with a grade of "C-" or higher. **This is a Guaranteed Transfer List course.**

**BIOL 2071: General Biology Laboratory I** – 1 CR – Introduces the basic scientific approach and report preparation through exercises and experiments in cell biology, basic biochemical techniques, genetics, molecular genetics and applications of biotechnology. This class is intended for students planning to take upper division biology courses and for biology majors. **This is a Guaranteed Transfer List course.**

**BIOL 2081: General Biology Laboratory II** – 1 CR – Study of evolution, plant and animal anatomy, developmental biology; includes two off-campus ecology field trips. Prereq: BIOL2071 or 2096 with a C- or higher. Students are strongly encouraged to
take BIOL 2061 concurrently or before they take this course. This is a Guaranteed Transfer List course.

**Chemistry**

**CHEM 1000: Foundations for General Chemistry** – 3 CR – This course prepares for CHEM 2031 or 1130. Prereq: MATH 1110 or high school equivalent; Enrollment in this course is strongly encouraged prior to enrollment in Chem 2031 if the student does not have a strong and recent background in general chemistry.

**CHEM 1474: Core Chemistry: Chemistry for Everyday** – 4 CR – Focuses on the common household chemicals that affect US on a daily basis. Students learn the underlying chemistry of nuclear power, sunscreens, food, cleaning agents, etc. Home-based laboratory experiments with safe, common substances. **This is a Guaranteed Transfer List course.**

**CHEM 2031: General Chemistry I** – 3 CR – Topics include chemical structure, atomic and molecular properties, molecular geometry and bonding, and gas laws. Prepares students to take upper division chemistry courses. It is strongly recommended that students have taken CHEM 1000 and MATH 1110 or their high school equivalents to be adequately prepared to succeed in this course; **This is a Guaranteed Transfer List course.**

**CHEM 2038: General Chemistry Laboratory I** – 1 CR – Students perform laboratory experiments on topics covered in CHEM 2031 and gain experience in observing, recording, and interpreting physical and chemical phenomena. Coreq: CHEM 2031 or CHEM 2081. **This is a Guaranteed Transfer List course.**

**CHEM 2061: General Chemistry II** – 3 CR - (Continuation of CHEM 2031.) Topics include kinetics, equilibria and thermodynamics. Prereq: CHEM 2031 or 2081 with a C- or higher. **This is a Guaranteed Transfer List course.**

**CHEM 2068: General Chemistry Laboratory II** – 2 CR – Students gain experience with laboratory technique and elementary chemical instrumentation. Prereq: CHEM 2038 or 2088 with a C- or higher. Coreq: CHEM 2061 or 2091. **This is a Guaranteed Transfer List course.**

**Communications**

**COMM 1001: Presentational Speaking**—This skills-based class focuses on preparing students to become effective communicators in public settings, and addresses questions of new media technologies, informational speaking, story-based
presentations, and political persuasion.

**COMM 1011: Fundamentals of Communication**—This class introduces students to the principles of communication theory and practice, and focuses on notions of self identity, public communication, and the politics of language. This is a Guaranteed Transfer List course.

**COMM 1021: Introduction to Media Studies**—This class introduces students to the economy of the media, the analysis of media messages and new media technologies, and the ways popular culture influences our daily behavior. This is a Guaranteed Transfer List course.

**COMM 1041: Interpersonal Communication**—This class merges communication theory and practice to help students become better practitioners of communication within their personal, work, family, and other relationships.

**COMM 1071: Introduction to Journalism** – This class gives a broad overview of the histories of, debates within, and best practices for journalism in print, digital, and other media, in a writing intensive course.

**COMM 2020: Communication, Citizenship and Social Justice** – This discussion-based class focuses on the early American foundations of citizenship in our country and how we can effectively communicate about 21st century citizenship issues to create knowledgeable, community-oriented citizens.

**COMM 2050: Business and Professional Speaking**—This skills-based class focuses on preparing students to become effective communicators in any business or professional environment, and addresses questions of new media technology, professional etiquette, and how to perform well in small-group settings.

**COMM 2500: Introduction to Health Communication** – The health industries are among the fastest growing sectors of the U.S. economy; this class enables students to begin thinking about their health, the health of their communities, and the health of the nation as systems of language and power.

### Criminal Justice

**CRJU 1000: Criminology and Criminal Justice: An Overview** – 3 CR – This course is designed to provide an overview of the criminal justice process and the criminal justice system in general. Concepts of crime, deviance and justice are discussed and general theories of crime causality are examined. Special emphasis is placed on the components of the criminal justice system: the police, the prosecutorial and defense functions, the judiciary and the field of corrections. This is a Guaranteed Transfer List course.
**CRJU 2041: Crime Theory and Causes** – 3 CR – This course provides a general survey of the nature and causes of crime and efforts of the criminal justice system to predict, prevent, modify and correct this behavior. This course involves a critical appraisal of various theories of crime causation, including an examination of biological, psychological, economic and sociological perspectives that explain crime and deviance.

**Computer Science**

**CSCI 1320: Computing With C** – 3 CR

**CSCI 1410: Fundamentals of Computer Science** – 3 CR – First course in computing for those who will take additional computer science courses. Covers the capabilities of a computer, the elements of the computer language C++, and basic techniques for solving problems using a computer. Coreq: CSCI 1411

**CSCI 1411: Fundamentals of Computing Laboratory** – 1 CR – Coreq: CSCI 1410.

**English**

**ENGL 1020: Core Composition I** – 3 CR – Provides opportunities to write for different purposes and audiences, with an emphasis on learning how to respond to various rhetorical situations; improving critical thinking, reading, and writing abilities; understanding various writing processes; and gaining a deeper knowledge of language conventions. This is a Guaranteed Transfer List course.

**ENGL 1200: Introduction to Fiction** – 3 CR – Introduces class members to the works of famous authors as well as to major themes, elements, and techniques of fiction in both short stories and novels.

**ENGL 1400: Introduction to Literary Studies** – 3 CR – Helps students develop a sense of literary techniques and issues so they can bring an improved critical sensibility to their reading and writing. This course assumes that students have completed or are currently taking ENGL1020.

**ENGL 1601: Telling Tales: Narrative Art in Literature and Film** – 3 CR – Asks students to explore how stories determine who we are. Everything people do fits into a narrative pattern, evident everywhere from TV news to memory to daily schedules. We tell ourselves stories about ourselves and others--how do these stories shape who we
are as cultural beings? This course assumes that students have completed or are currently taking ENGL 1020. **This is a Guaranteed Transfer List course.**

**ENGL 2030: Core Composition II** – 3 CR – Focuses on academic and other types of research-based writing and builds on the work completed in ENGL 1020. Focuses on critical thinking, reading and writing as well as working with primary and secondary source material to produce a variety of research-based essays. Emphasis on using both print-based and electronic-based information. Prereq: ENGL 1020. **This is a Guaranteed Transfer List course.**

**ENGL 2156: Introduction to Creative Writing** – 3 CR – Reading, discussing, writing short fiction and poetry in a workshop setting. This course assumes that students have completed ENGL 1020.

**ENGL 2600: Great Works in British and American Literature** – 3 CR – Traces the traditions of British and American literature from medieval times to the present, by examining a variety of texts, studying the impact of different time periods, and cultural movements on the evolving literary tradition. **This is a Guaranteed Transfer List course.**

**ENGL 2250: Introduction to Film** – 3 CR – Introduces students to the critical study of cinema as an art form and a cultural phenomenon. Topics include cinematography, editing, mise-en-scene and sound; the connections between cinema and related art forms; film genres; the social dimensions of film production and reception; and films by such key filmmakers as Alfred Hitchcock, Maya Deren and Spike Lee.

### Environmental Sciences

**ENVS 1044: Introduction to Environmental Sciences** – 3 CR – This survey course develops a basic understanding of ecological relationships and environmental systems. Issues such as the effects of human activities on earth’s environment, extinction or diversity, greenhouse effect, hazardous or toxic wastes and human population growth are discussed. Students must also take the accompanying laboratory ENVS 1045. No co-credit with ENVS 1042.

**ENVS 1045: Introduction to Environmental Sciences Laboratory** – 1 CR – Introduces the basic scientific approach through investigations, observations, and experiments in environmental science. Students must also take the accompanying lecture ENVS 1044. No co-credit with ENVS 1042. Prereq or co-req: ENVS 1044.
Ethnic Studies

ETST 2000: Introduction to Ethnic Studies – 3 CR – Multi-disciplinary survey of contemporary and historical research analyses of the diverse social, economic, political, and cultural facets of African American, American Indian, Asian American, and Latino communities and cultures. This is a Guaranteed Transfer List course.

ETST 2010: Introduction to Chicana/o Studies – 3 CR- This course introduces students to the broad range of the interdisciplinary field of Chicana/o Studies by examining the Chicana/o experience including history, identity, politics, immigration, labor, literature, and popular culture.

ETST 2024: Race and Ethnic Relations – 3 CR – Surveys race and ethnicity, facts and myths about great populations, and the social and cultural sources of bias and discrimination.

ETST 2400: Issues in Chicano/a Education – 3 CR – Historical overview of segregation, landmark court cases and immigration policy in the education of Chicano/as in Colorado and nationally from 1920 to the present. The intersection of these issues in the education of undocumented students is also examined.

ETST 2155: African American History-3 CR- Surveys the history of African Americans. Study interpretations, and analysis of major problems, issues, and trends affecting the African American population from pre-slavery to the present. This is a Guaranteed Transfer List course.

Fine Arts

FINE 1001: Introduction to Art – 3CR – This is a Guaranteed Transfer List course.

FINE 1400: Two Dimensional Design Foundations – 3 CR – Focuses on the concepts and visual elements of all forms of two-dimensional art. Students gain an understanding of basic design principles as they analyze and visually articulate formal concerns in viewing contemporary and historical artworks as applied to studio problems.

FINE 2200: Painting I – 3 CR – This course is an introduction to the language of painting. Students will learn to develop composition in layers, working from value to color and from direct observation to abstraction while exploring the range of visual possibilities that painting offers.

FINE 2600: Art History Survey I – 3 CR – A lecture course studying Western and non-Western art from prehistory to medieval times, including major artists and periods.
Through visual analysis, vocabulary acquisition, exams, and writing assignments, students demonstrate knowledge of historical developments and an ability to analyze the arts.

FINE 2610: Art History Survey II – 3 CR – A lecture course studying Western and non-Western art from the Renaissance to today, including major artists and periods. Through visual analysis, vocabulary acquisition, exams, and writing assignments, students demonstrate knowledge of historical developments and an ability to analyze the arts. Prereq: FINE 2600.

FINE 2155 - Introduction to Digital Photography - 3 CR - Students learn digital image manipulation, input and output strategies, and digital camera functions through assignments that emphasize conceptual development. Presentations, readings, projects and class discussions help students gain an understanding of the role of digital imaging in contemporary photography.

FINE 1120 - Digital Photography for Non-Majors - 3 CR - Students will learn fundamentals of digital photography through creative assignments that promote a broad understanding of the photographic medium. Topics include digital camera operation, sizing and resolution, principles of design, and interpreting photographic meaning. This course is designed for non-art majors.

Modern Languages

CHIN 2110: Second Year Chinese I – 3 CR – Continuing development of listening, speaking, reading, and writing skills in practical Chinese, with grammar review and introduction of the Chinese dictionary. In addition to contemporary Chinese, there is some emphasis on Chinese classical materials, such as proverbs. This course assumes that students have passed CHIN 1020 or equivalent, or have taken two years of high school Chinese, or possess equivalent proficiency. A grade of C- or higher in CHIN 1020 is recommended for success in this course.

CHIN 2120: Second Year Chinese II – 3 CR – (Continuation of CHIN 2110.) Satisfies the fourth semester language requirement at most graduate schools. This course assumes that students have passed CHIN 2110 or equivalent, or have taken three years of high school Chinese, or possess equivalent proficiency. A grade of C- or higher in CHIN 2110 is recommended for success in this course.

FREN 2110: Intermediate French I – 3 CR – Designed to further develop all the language skills, with particular emphasis on reading and writing, and to further continue students’ introduction to French culture. Students review grammar and vocabulary, read and discuss Le Petit Prince, and express their reactions to the text both orally and in writing. This course assumes that students have passed FREN 1002 or 1020 or
equivalent, or have taken two years of high school French, or possess equivalent proficiency. A grade of C- or higher in the previous French course is recommended for success in this course.

**FREN 2120: Intermediate French II – 3 CR** – Designed to further develop all the language skills, with particular emphasis on speaking, and to continue students' introduction to French culture. Students review grammar and vocabulary, read and discuss short cultural texts and participate in oral activities intended to increase communication skills. This course assumes that students have passed FREN 2003 or 2110 or equivalent, or have taken three years of high school French, or possess equivalent proficiency. A grade of C- or higher in the previous French course is recommended for success in this course.

**GRMN 2110: Intermediate German I – 3 CR** – (Continuation of German 1020.) This course assumes that students have passed GRMN 1020 or equivalent, or have taken two years of high school German, or possess equivalent proficiency. A grade of C- or higher in GRMN 1020 is recommended for success in this course.

**GRMN 2130: Intermediate German II – 3 CR** – A fourth-semester course designed for those majoring or minoring in International Affairs. Along with grammar review, the course deals with contemporary topics in cultural, political, economic and social affairs. This course assumes that students have passed GRMN 2110 or equivalent, or have taken three years of high school German, or possess equivalent proficiency. A grade of C- or higher in GRMN 2110 is recommended for success in this course.

**GRMN 2150: Intermediate German II: Grammar Review and Oral Practice – 3 CR** – Prepares students for upper division. German language skills courses. Students practice abilities gained in previous semesters of language instruction, improve conversational abilities, develop skills using reference works, learn tactics for reading and discussing newspaper style German and develop written composition abilities. This course assumes that students have passed GRMN2110 or equivalent, or have taken three years of high school German, or possess equivalent proficiency. A grade of C- or higher in GRMN 2110 is recommended for success in this course.

**LATN 2010: Intermediate Latin I – 3 CR** – Introduces advanced Latin grammar, vocabulary, syntax, and stylistics of Latin prose via readings in Caesar, Cicero and Livy. Includes review of basic Latin grammar, plus introduction to Latin prose composition and Latin rhetoric. Emphasis on historical, cultural, social context of authors and works. This course assumes that students have passed LATN 1020 or equivalent, or have taken two years of high school Latin, or possess equivalent proficiency. A grade of C- or higher in LATN 1020 is recommended for success in this course.
SPAN 2110: Second Year Spanish I – 3 CR – Continues the development of skills acquired in 1010 and 1020. Readings deal with Hispanic culture and current topics from Spain and Latin America. Development of informal oral and written expression.

SPAN 2120: Second Year Spanish II – 3 CR – Continues the development of skills acquired in SPAN 1010, 1020 and 2110, together with a review of grammar. Readings deal with Hispanic culture and literature. Development of informal oral and written expression.

**Geography**

GEOG 1302: Introduction to Human Geography - 3 CR- Systematic introduction to basic concepts and approaches in human geographic analysis.

**History**

HIST 1016: World History to 1500 – 3 CR – Surveys the rise of civilizations and their interactions from prehistoric to modern times. The emphasis is on the understanding of the various styles or characteristics of civilizations within a global context.

HIST 1026: World History Since 1500 – 3 CR – Surveys the interactions of the world's civilizations in modern times. The emphasis is on understanding the concept of modernization within a global context.


HIST 1212: Western Civilization II – 3 CR – Introduces modern European civilization and its spread over the world. Covers topics on economics and society, political organization, intellectual history, and art from A.D. 1500 to the 20th century.

HIST 1361: U.S. History to 1876 – 3 CR – Provides an introduction to the major forces, events and individuals that shaped the historical development of American society, beginning with the European settlement of America and concluding with the Civil War, reconstruction and the early growth of an industrial order. This is a Guaranteed Transfer List course.
HIST 1362: U.S. History Since 1876 – 3 CR – Provides an introduction to the major forces, events, and individuals that shaped the historical development of American society from the Civil War to the present. This is a Guaranteed Transfer List course.

HIST 1381: Getting Here: Paths to the Present I – 3 CR – Examines several topics of profound interest to historians worldwide: nature and technology, secular and religious faiths, and concepts of political union. The experience of the U.S. as it relates to the experiences of other periods and cultures. This is a Guaranteed Transfer List course.

HIST 1400: Controversies in History – 3 CR – Examines a variety of cases where historians have significant disagreement or diverse interpretations regarding “what happened” and “why,” to come to an understanding of what historians do and how they do it. This is a Guaranteed Transfer List course.

Humanities

HUMN 1012: The Humanistic Tradition: Modes of Expression – 3 CR – Familiarizes students with humanistic modes of expression through the study of history, literature, philosophy, music, and the visual and dramatic arts

Mathematics and Statistical Sciences

MATH 1080: Calculus for Social Sciences and Business – 3 CR – A one-semester course in single-variable calculus. Topics include limits, derivatives, differentiation rules, integration and integration rules. Emphasis is on applications to business and social sciences. Note: No knowledge of trigonometry is required. Those planning to take more than one semester of calculus should take MATH 1401 instead of MATH 1080. MATH 1070 or MATH 1110 with a C- or higher is required for students to register for this course. No co-credit with MATH 1401. Max hours: 3 Credits. This is a Guaranteed Transfer List course.

MATH 1110: College Algebra – 4 CR – Topics in algebra designed for students who intend to take the calculus sequence. Functions, domains, ranges, graphs, data scatter plots and curve fitting, solving equations and systems of equations, polynomial functions, rational functions, and selected other topics. Graphic calculators and/or computer algebra systems are used extensively. 24 on ACT-Math, 560 on SAT-Math or above average performance in intermediate algebra, algebraic literacy or integrated
math are strongly recommended as preparation for this course. This is a Guaranteed Transfer List course.

**MATH 1120: College Trigonometry** – 3 CR – Topics in trigonometry, analytic geometry, and elementary functions designed for students who intend to take the calculus sequence. Angles and trigonometry functions of acute angles, analytic trigonometry, fundamental trigonometric functions and identities including hyperbolic trigonometry, parametric equations, and polar coordinate system. Graphic calculators and/or computer algebra systems are used extensively. This course assumes that students have mathematical knowledge equivalent to MATH 1110 or MATH 1070. Students with a grade of B- or better in MATH 1110 or MATH 1070 pass the course at a much higher rate. This is a Guaranteed Transfer List course.

**MATH 1130: Precalculus Mathematics** – 4 CR – Condensed treatment of the topics in MATH 1110 and 1120. No co-credit with MATH 1070, 1110 or 1120. This course assumes that students have mathematical knowledge equivalent to a grade of C- or better in College Algebra and Trigonometry. This is a Guaranteed Transfer List course.

**MATH 1401: Calculus I** – 4 CR – First course of a three-semester sequence (MATH 1401, 2411, 2421) in calculus. Topics covered include limits, derivatives, applications of derivatives, and the definite integral. To be able to register for this course, students must first be entered into the MATH 1401 Student Group. To be eligible, students must demonstrate that they have mathematical knowledge equivalent to MATH 1120 or MATH 1130. Students can demonstrate this proficiency 1) by having an SAT score of 620 or an ACT score of 27, taken within the last three years, or 2) by having completed and transferred in a course that is the exact equivalent of MATH 1401 at a different institution, or 3) by earning a score of 70% or higher on the prerequisite exam administered through the MERC lab. This is a Guaranteed Transfer List course.

**MATH 2411: Calculus II** – 4 CR – The second of a three-semester sequence (MATH 1401, 2411, 2421) in calculus. Topics covered include exponential, logarithmic, and trigonometric functions, techniques of integration, indeterminate forms, improper integrals and infinite series. Pre-req: C- or better in MATH 1401. This is a Guaranteed Transfer List course.

**MATH 2421: Calculus III** – 4 CR – The third of a three-semester sequence in Calculus (MATH 1401, 2411 and 2421). Topics include vectors, vector-valued functions, partial differentiation, differentiation, multiple integration, and vector calculus. Prereq: C- or better in MATH 2411. Note: Students with a grade of B- or better in MATH 2411 pass this course at a much higher rate. This is a Guaranteed Transfer List course.

**MATH 2830: Introductory Statistics** – 3 CR – Basic statistical concepts, summarizing data, probability concepts, distributions, confidence intervals, hypothesis testing. This is a Guaranteed Transfer List course. Prereq: intermediate algebra. This course assumes that students have knowledge equivalent to three years of high school mathematics (two years of algebra), intermediate algebra, or Algebraic Literacy at a Colorado
Community College at the start of class. Students who have a grade of B- or better in one of these courses pass at a much higher rate. This is a Guaranteed Transfer List course.

**MATH 3200: Elementary Differential Equations** – 3 CR – First and second order differential equations, Laplace transforms, systems of equations, with an emphasis on modeling and applications. Note: No co-credit with MATH 3195. The course is designed for students in the sciences and engineering. Note: No co-credit with MATH 3200 and MATH 3191. Note: This course assumes that students have taken MATH 2411 or equivalent. Students who have a grade of B- or better in MATH 2411 pass this course at a much higher rate.

**Management**

**MGMT 1000: Introduction to Marketing** – 3 CR – This course will introduce students to the nature and role of business in our society. Problems confronting business are surveyed from a management, financial, economic and marketing viewpoint. Career opportunities in business are also considered. Students are advised to take this course during their freshman year and may not take it in the junior or senior years. Prereq: Open to freshman and sophomores, non-degree students and music majors at all levels

**Marketing**

**MKTG 1000: Introduction to Marketing** – 3 CR – Provides an introduction and overview of marketing. Discusses market and buyer analysis. Includes product planning, pricing, promotion and distribution of goods and services

**Philosophy**

**PHIL 1012: Introduction to Philosophy: Relationship of the Individual to the World** – 3 CR – Introductory course in philosophy that focuses on some of the central questions of philosophy, including theories of reality and the nature of knowledge and its limits. The knowledge of these areas is essential to the student for informed participation in the resolution of contemporary problems in today's society. This is a Guaranteed Transfer List course.
PHIL 1020: Introduction to Ethical Reasoning – 3 CR – Studies ethical problems and forms of ethical reasoning within the larger context of social and political philosophy. Specific ethical problems may be addressed, such as poverty, famine, abortion, punishment, animal rights, and environmental sustainability. This is a Guaranteed Transfer List course.

PHIL 2441 - Logic, Language and Scientific Reasoning – 3 CR – Intro course in argumentation, critical thinking and scientific reasoning. Covers rules of logical inference, informal fallacies, problem solving, and probabilistic reasoning. Enhances analytical and critical thinking skills tested on LSAT and MCAT, central to advancement in sciences, and broadly desired by employers. Max hours: 3 Credits. GT: Course is approved by the Colorado Dept of Higher Education for statewide guaranteed transfer, GT-AH3. Semester Hours: 3 to 3

Physics

PHYS 1100: Foundations of Physics – 4 CR – One-semester non-lab survey course especially designed for non-science majors. Acquaints students with some of the major principles and methods of physics. Includes applications of physics to everyday life and some discussion of the historical development of physics. Prereq: A good working knowledge of elementary algebra. This is a Guaranteed Transfer List course.

PHYS 1052: General Astronomy I – 4 CR – The history of astronomy is studied from early civilizations to the present. The basic motions of the earth, moon, sun, and planets are discussed both qualitatively and quantitatively, using elementary principles of physics. Properties of our solar system are discussed in detail, including results from unmanned space probes. This course assumes that students have completed high school algebra or equivalent. This is a Guaranteed Transfer List course.

PHYS 1115: Physics Content – 3 CR – Covers content areas of undergraduate physics. Topics include matter and energy; heat and thermodynamics; atomic and nuclear structure; mechanics; electricity and magnetism; and wave characteristics

PHYS 2010: College Physics I – 4 CR – This is an algebra based physics course covering mechanics, heat and sound. Prereq: College algebra and trigonometry. This is a Guaranteed Transfer List course.
PHYS 2020: College Physics II – 4 CR – This is an algebra based physics course covering electricity, magnetism, light and modern physics. Prereq: PHYS 2010. This is a Guaranteed Transfer List course.

PHYS 2030: College Physics Lab I – 1 CR – This is a Guaranteed Transfer List course.

PHYS 2040: College Physics Lab II – 1 CR – This is a Guaranteed Transfer List course.

PHYS 2311: General Physics I: Calculus-Based – 4 CR – This is a calculus based physics course covering vector displacement, uniform and accelerated motion, force, momentum, energy, rotating systems, oscillations, and an introduction to thermodynamics. Prereq: MATH 1401

PHYS 2321: General Physics Lab I – 1 CR –

PHYS 2331: General Physics II: Calculus-Based – 4 CR – This is a calculus based physics course covering electrostatics, magnetic fields, electromagnetic waves (including light), and optics. Prereq: PHYS 2311 and MATH 2411

PHYS 2341: General Physics Lab II – 1 CR – Prereq: PHYS 2321

PHYS 2711: Vibrations and Waves – 3 CR – Introduces vibrations and waves associated with physical phenomena. Analytic and numerical methods in physical contexts. Topics include harmonic oscillators, resonance, coupled oscillators, nonlinear oscillators, waves in elastic media, sound waves, pulses and dispersion. Prereq: PHYS 2331 and MATH 2411.

PHYS 2811: Modern Physics I – 4 CR – Presents a study of the events and discoveries that occurred during the latter part of the 19th and the first part of the 20th centuries which led to the discovery of quantum mechanics; namely, special relativity, particle nature of radiation, wave properties of particles, models of the atom, and the introduction of quantum mechanics Prereq: PHYS 2331 and Math 2411

Music

PMUS 1001: Music Appreciation – 3 CR – Explores the style of music in the major compositional periods, including contemporary pop styles. This course will not satisfy any degree requirements for music majors. For non-music majors who want to learn how to listen to music with greater understanding and pleasure. This is a Guaranteed Transfer List course.
PMUS 1023: Piano Class – 1 CR – This course focuses on beginning note reading in both treble and bass clefs, learning one octave major key scales, basic harmonization, and beginning improvisation. Students perform in both individual and group settings. Coreq: PMUS 1110 and 1100.

PMUS 1100: Music Theory I – 3 CR – Study of the evolution of harmonic and melodic procedures, as derived from the common practice period of classical music, and their relationship to contemporary music concepts. Coreq: PMUS 1110 and 1023.

PMUS 1110: Ear Training and Sight Singing – 1 CR – An aural skills laboratory course that reinforces the concepts taught in Music Theory I through interval, melodic, harmonic, and rhythmic dictation as well as the preparation and sight singing of music. Coreq: PMUS 1110 and 1023.

Political Science

PSCI 1001: Introduction to Political Science: The Quest for Freedom and Justice – 3 CR – Introduces the study of politics, its human importance, and its relationship to social institutions. Analysis of the relationship between individual political behavior and characteristics of the political system.

Development of key concepts such as power, legitimacy, authority, political socialization, and revolution. This is a Guaranteed Transfer List course.

PSCI 1101: American Political System – 3 CR – General introduction to the American political system with emphasis upon citizen involvement, the relationships among the various levels and branches of government, formal and informal institutions, processes, and behavior. This is a Guaranteed Transfer List course.

PSCI 2006: Global Political Issues – 3 CR – Studies global political issues, exploring the broad forces at play in the world: international economics, national interests, military power, nationalism, ethnicity, the environment and human rights. Discussion of world events and underlying global issues, incorporating analytical tools used by political scientists.

Psychology
PSYC 1000: Introduction to Psychology I – 3 CR – Introduces the scientific study of behavior, including an overview of the biological basis of behavior, sensation or perception, states of consciousness, learning and memory, thinking and language, intelligence, motivation and emotion. This is a Guaranteed Transfer List course.

PSYC 1005: Introduction to Psychology II – 3 CR – Introduces the scientific study of behavior, including an overview of the history of psychology, development, personality, psychological disorders, therapy, health psychology and social behavior. This is a Guaranteed Transfer List course.

Sociology

SOCY 1001: Understanding the Social World – 3 CR – A survey course in which the main concepts that define the sociological perspective are presented, and a picture of society is provided by examining major social institutions and forms of social organization within society. This is a Guaranteed Transfer List course.

SOCY 2001: Inequalities in the Social World – 3 CR – Introduces students to critical sociological perspectives on social inequality. Major sociological factors contributing to the production and reproduction of inequality in various social organizations and institutions are analyzed. Prereq SOCY 1001

SOCY 2440: Deviant Behavior – 3 CR – This course examines different forms of deviance and how deviant categories are created. Emphasis is on how groups gain control over social definitions and the consequences these definitions have in the form of norms, laws, and informal social sanctions.

SOCY 2462: Introduction to Social Psychology – 3 CR – Studies the development and functioning of persons, especially within a group context, and the dynamics of small groups. Emphasis is on import of symbols for human behavior, development of self-concepts, and the processes of competition and cooperation in group dynamics. This is a Guaranteed Transfer List course.

Theatre

THTR 2531: Acting for Non-Theatre Majors – 3 CR – Introductory acting course which focuses on the skills comprising the actor's art and their direct application to all disciplines of study outside of the theatre major. Students investigate interpersonal skills
such as collaboration, communicating, risk-taking, listening, and creative problem solving.