

Grayson College Course Catalog

Overview

For students interested in pursuing a degree and transferring to a four-year institution, as a general rule, students should follow the **Associate of Arts Degree in General Studies** or the **Associate of Science Degree in General Studies** in a desired Pathway at Grayson College. All students are advised to counsel with the university/college of their choice to determine which courses offered at Grayson College are applicable to that institution's bachelor's degree in their desired major.

AA/AS Degree Requirements

Associate of Science/Associate of Arts - General Studies

Subject	Semester Hours
Component Area Option Core	3
ENGL 1301	3
American History Core	3
Mathematics Core	3
Social & Behavioral Sciences Core	3
Communication Core	3
American History Core	3
Life & Physical Science Core	3
Life & Physical Science Lab (CAO)	1
Language, Philosophy & Culture Core	3
Component Area Option Core	1
Government/Political Science Core	3
Life & Physical Science Core	3
Life & Physical Science Lab (CAO)	1
Academic Elective	3
Academic Elective	3
Academic Elective	3
Creative Arts Core	3
Government/Political Science Core	3
Academic Elective	3
Academic Elective	3
Academic Elective	3
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Note: All science courses at Grayson College must be taken with their corresponding labs.

*Please review your Student Planner or contact your Student Success Coach/Faculty Mentor to review which courses may be used to fill this degree requirement.

*To receive a General Studies Associate of Arts Degree students must choose six hours from the following as their academic electives (Courses cannot be repeated for Credit): HIST 2321/2322, PHIL 1304, ENGL (2322, 2323, 2327, 2328, 2332, 2333, 2351), GEOG 1303, SPAN 2311 / 2312.

Core

Students earning an Associate of Arts, Associate of Science, or Associate of Arts in Teaching Degree at Grayson College must complete 42 hours of a state mandated Core Curriculum in addition to major courses and electives in their particular area of interest. Following are the Core Curriculum Component Areas. See below for allowable courses within each component area.

Component Areas	Required Hours
010 Communication	6
020 Mathematics	3
030 Life and Physical Sciences	6

040 Language, Philosophy, and Culture	3
050 Creative Arts	3
060 American History	6
070 Government/Political Science	6
080 Social and Behavioral Sciences	3
090 Component Area Option	6
Total	42

Communication (6 hours)

ENGL 1301 Composition I and one of the following:

ENGL 1302 Composition II
 ENGL 2311 Technical & Business Writing
 SPCH 1311 Introduction to Speech Communication
 SPCH 1315 Public Speaking
 SPCH 1321 Business & Professional Communication

Mathematics (3 hours)

MATH 1314 College Algebra
 MATH 1316 Plane Trigonometry
 MATH 1324 Mathematics for Business & Social Sciences
 MATH 1332 Contemporary Mathematics I (Math for Liberal Arts Majors I)
 MATH 1342 Elementary Statistical Methods
 MATH 2312 Pre-Calculus Math
 MATH 2413 Calculus I

Life and Physical Sciences (6 hours)

BIOL 1306 Biology for Science Majors I
 BIOL 1307 Biology for Science Majors II
 BIOL 1308 Biology for Non-Science Majors I
 BIOL 1309 Biology for Non-Science Majors II
 BIOL 1414 Introduction to Biotechnology I
 BIOL 2301 Anatomy & Physiology I
 BIOL 2302 Anatomy & Physiology II
 BIOL 2320 Microbiology for Non-Science Majors
 BIOL 2321 Microbiology for Science Majors
 BIOL 2404 Anatomy & Physiology (specialized, single-semester course, lecture + lab)
 CHEM 1406 Introductory Chemistry I (lecture + lab, allied health emphasis)
 CHEM 1311 General Chemistry I
 CHEM 1312 General Chemistry II
 GEOL 1301 Earth Sciences for Non-Science Majors I
 GEOL 1303 Physical Geology
 GEOL 1304 Historical Geology
 GEOL 1305 Environmental Science
 PHYS 1301 College Physics I
 PHYS 1302 College Physics II
 PHYS 1303 Stars and Galaxies
 PHYS 1304 Solar System
 PHYS 1315 Physical Science I
 PHYS 2325 University Physics I

PHYS 2326 University Physics II

Note: All science courses at Grayson College must be taken with their corresponding labs. The labs can be used in the CAO2.

Language, Philosophy, and Culture (3 hours)

ENGL 2322 British Literature I

ENGL 2323 British Literature II

ENGL 2327 American Literature I

ENGL 2328 American Literature II

ENGL 2332 World Literature I

ENGL 2333 World Literature II

ENGL 2351 Mexican-American Literature

HIST 2321 World Civilizations I

HIST 2322 World Civilizations II

HUMA 1301 Introduction to Humanities I

HUMA1302 Introduction to Humanities II

PHIL 1301 Introduction to Philosophy

PHIL 1304 Introduction to World Religions

PHIL 2306 Introduction to Ethics

PHIL 2321 Philosophy of Religion

SPAN 2311 Intermediate Spanish I (3rd semester Spanish)

SPAN 2312 Intermediate Spanish II (4th semester Spanish)

Creative Arts (3 hours)

ARTS 1301 Art Appreciation

ARTS 1303 Art History I

ARTS 1304 Art History II

DRAM 1310 Introduction to Theater

MUSI 1306 Music Appreciation

MUSI 1307 Music Literature

American History (6 hours)

One or both of the following two:

HIST 1301 United States History I

HIST 1302 United States History II

One of the following can substitute for 3 hours of the above U.S. History courses:

HIST 2301 Texas History

HIST 2327 Mexican-American History I

HIST 2328 Mexican-American History II

Government /Political Science (6 hours)

GOVT 2305 Federal Government

GOVT 2306 Texas Government

Social and Behavioral Sciences (3 hours)

CRIJ 1301 Introduction to Criminal Justice

ECON 2301 Principles of Macroeconomics

ECON 2302 Principles of Microeconomics

GEOG 1302 Human Geography

GEOG 1303 World Regional Geography
PSYC 2301 General Psychology
PSYC 2314 Lifespan Growth & Development
SOC1 1301 Introductory Sociology
SOC1 1306 Social Problems
SPCH 1318 Interpersonal Communication
TECA 1354 Child Growth and Development

Component Area Option (CAO 1 and CAO 2) (6 hours)

Two (2) hours from science lab courses listed below which are taken with science courses above; and

Four (4) hours from any of the core courses listed above or from the following list of courses

(Note: courses cannot be counted more than once):

COSC 1301 Introduction to Computing
COSC 1336 Programming Fundamentals I
EDUC1300/PSYC 1300 Learning Frameworks
PHED 1164 Introduction to Physical Fitness and Wellness
SPAN 1411 Beginning Spanish I
SPAN 1412 Beginning Spanish II
Science Lab Courses:
BIOL 1106 Biology I Lab
BIOL 1107 Biology II Lab
BIOL 1108 Biology for Non-Science Majors I Lab
BIOL 1109 Biology for Non-Science Majors II Lab
BIOL 2101 Anatomy & Physiology Laboratory I
BIOL 2102 Anatomy & Physiology Laboratory II
BIOL 2120 Microbiology for Non-Science Majors Laboratory I
BIOL 2121 Microbiology for Non-Science Majors Laboratory II
CHEM 1111 General Chemistry I Lab 17
CHEM 1112 General Chemistry II Lab
GEOL 1101 Earth Sciences Lab I
GEOL 1103 Physical Geology Lab
GEOL 1104 Historical Geology Lab
GEOL 1105 Environmental Geology Lab
PHYS 1101 College Physics Laboratory I (lab)
PHYS 1102 College Physics Laboratory II (lab)
PHYS 1103 Stars and Galaxies Laboratory (lab)
PHYS 1104 Solar System Laboratory (lab)
PHYS 1115 Physical Science Laboratory I (lab)
PHYS 2125 University Physics Lab I
PHYS 2126 University Physics Lab II

All students seeking the Associate of Arts, the Associate of Science, or the Associate of Arts in Teaching coming to Grayson College with fewer than 15 hours must take EDUC1300/PSYC 1300 and three more credits from the courses listed in the Component Area Option and not used in another component area.

Note: Many four-year colleges and universities require a foreign language as part of their degree plan. SPAN 1411, 1412, 2311, 2312, 2321, and 2322 meet transfer requirements for foreign language.

CHEM 2389 - Academic Cooperative

Grade Basis: L

CHEM 1111 - General Chemistry Laboratory 1

Basic laboratory experiments supporting theoretical principles presented in ; introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory report.

Grade Basis: L

Credit hours: 1.0

Lab hours: 3.0

Prerequisites:

- [CHEM 1311](#) - General Chemistry I
- [MATH 1314](#) - College Algebra

Restrictions:

- High School chemistry is strongly recommended
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CHEM 1112 - General Chemistry Laboratory 2

Basic laboratory experiments supporting theoretical principles presented in ; introduction of the scientific method, experimental design, chemical instrumentation, data collection and analysis, and preparation of laboratory report.

Grade Basis: L

Credit hours: 1.0

Lab hours: 3.0

Prerequisites:

- [CHEM 1311](#) - General Chemistry I
- [CHEM 1312](#) - General Chemistry II

Restrictions:

- College readiness in reading and math required
-

CHEM 1311 - General Chemistry I

Fundamental principles of chemistry for majors in the sciences, health sciences, and engineering; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, and an introduction to thermodynamics and descriptive chemistry.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [MATH 1314](#) - College Algebra

Restrictions:

- High school chemistry is strongly recommended.
-

CHEM 1312 - General Chemistry II

Chemical equilibrium; phase diagrams and spectrometry; acidbase concepts; thermodynamics; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry and descriptive inorganic chemistry.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Restrictions:

- CHEM 1109/1309/1409 Required.
-

CHEM 1406 - Introductory Chemistry I (lecture + lab, allied health emphasis)

Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for allied health students and for students who are not science majors. Organic and biological chemistry are emphasized. This course provides the basic chemical background for understanding metabolism and other biological processes which occur in living organisms. Not to be taken by science majors.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 2.0

Lab hours: 4.0

Restrictions:

- College readiness in reading required.
-

CHEM 2123 - Organic Chemistry I (lab, 1 SCH version)

This laboratory-based course accompanies CHEM 2323, Organic Chemistry I. Laboratory activities will reinforce fundamental principles of organic chemistry, including the structure, bonding, properties, and reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. Methods for the purification and identification of organic compounds will be examined.

Grade Basis: L

Credit hours: 1.0

Lab hours: 3.0

Prerequisites:

- [CHEM 1312](#) - General Chemistry II

Restrictions:

- College readiness in reading is required
-

CHEM 2125 - Organic Chemistry II (lab, 1 SCH version)

This laboratory-based course accompanies CHEM 2325, Organic Chemistry II. Laboratory activities reinforce advanced principles of organic chemistry, including the structure, properties, and reactivity of aliphatic and aromatic organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules.

Grade Basis: L

Credit hours: 1.0

Lab hours: 3.0

Prerequisites:

- [CHEM 2325](#) - Organic Chemistry II

Restrictions:

- College readiness in reading is required
-

CHEM 2323 - Organic Chemistry I

Fundamental principles of organic chemistry will be studied, including the structure, bonding, properties, and reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. This course is intended for students in science or pre- professional programs.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [CHEM 1312](#) - General Chemistry II

Restrictions:

- College readiness in reading is required
 - Successful completion with a grade of C or better in CHEM 1412 is required
-

CHEM 2325 - Organic Chemistry II

Advanced principles of organic chemistry will be studied, including the structure, properties, and reactivity of aliphatic and aromatic organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. This course is intended for students in science or pre-professional programs.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [CHEM 2323](#) - Organic Chemistry I

Restrictions:

- College readiness in reading is required
 - Successful completion with a grade of C or better in CHEM2123/2323 or CHEM 2423 required
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ECON 2301 - Principles of Macroeconomics

An analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Restrictions:

- sophomore standing or consent of division dean.
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ECON 2302 - Principles of Microeconomics

Analysis of the behavior of individual economic agents, including consumer behavior and demand, producer behavior and supply, price and output decisions by firms under various market structures, factor markets, market failures, and international trade.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Restrictions:

- sophomore standing or consent of division dean.
-

ECON 2389 - Academic Cooperative

An instructional program designed to integrate on-campus study with practical hands-on experience in economics. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions

Grade Basis: L

ENGL 1301 - Composition I

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Lab hours: 1.0

Restrictions:

- The course requires a lab component
 - College readiness in reading and writing required.
-

ENGL 1302 - Composition II

Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Lab hours: 1.0

Prerequisites:

- [ENGL 1301](#) - Composition I

Restrictions:

- The course requires a lab component
-

ENGL 2311 - Technical and Business Writing

Intensive study of and practice in professional settings. Focus on the types of documents necessary to make decisions and take action on the job, such as proposals, reports, instructions, policies and procedures, e-mail messages, letters, and descriptions of products and services. Practice individual and collaborative processes involved in the creation of ethical and efficient documents.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [ENGL 1301](#) - Composition I
-

ENGL 2322 - British Literature I

A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [ENGL 1301](#) - Composition I
-

ENGL 2323 - British Literature II

A survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [ENGL 1301](#) - Composition I
-

ENGL 2327 - American Literature I

A survey of American literature from the period of exploration and settlement through the Civil War. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [ENGL 1301](#) - Composition I
-

ENGL 2328 - American Literature II

A survey of American literature from the Civil War to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [ENGL 1301](#) - Composition I
-

ENGL 2332 - World Literature I

A survey of world literature from the ancient world through the sixteenth century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [ENGL 1301](#) - Composition I
-

ENGL 2333 - World Literature II

A survey of world literature from the seventeenth century to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [ENGL 1301](#) - Composition I
-

ENGL 2341 - Forms of Literature

The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

ENGL 2351 - Mexican-American Literature

A survey of Mexican American/Chicanx literature from Mesoamerica to the present. Students will study literary works of fiction, poetry, drama, essays, and memoirs in relation to their historical, linguistic, political, regional, gendered, and cultural contexts. Texts will be selected from a diverse group of authors, literary movements, and media forms. Topics and themes may include the literary performance of identity and culture, aesthetic mediation of racialization, struggle and protest, and artistic activism.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [ENGL 1301](#) - Composition I
-

GEOG 1302 - Culture Geography

This course introduces students to fundamental concepts, skills, and practices of human geography. Place, space, and scale serve as a framework for understanding patterns of human experience. Topics for discussion may include globalization, population and migration, culture, diffusion, political and economic systems, language, religion, gender, and ethnicity.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

GEOG 1303 - World Regional Geography

This course is an introduction to the world's major regions seen through their defining physical, social, cultural, political, and economic features. These regions are examined in terms of their physical and human characteristics and their interactions. The course emphasizes relations among regions on issues such as trade, economic development, conflict, and the role of regions in the globalization process.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

GEOL 1101 - Earth Sciences LAB I

This laboratory-based course accompanies GEOL 1301, Earth Sciences I. Activities will cover methods used to collect and analyze data in geology, meteorology, oceanography, and astronomy.

Grade Basis: L

Credit hours: 1.0

Lab hours: 2.0

Prerequisites:

- [GEOL 1301](#) - Earth Science
-

GEOL 1103 - Physical Geology LAB

This laboratory-based course accompanies GEOL 1303, Physical Geology. Laboratory activities will cover methods used to collect and analyze earth science data.

Grade Basis: L

Credit hours: 1.0

Lab hours: 2.0

Prerequisites:

- [GEOL 1303](#) - Physical Geology
-

GEOL 1104 - Historical Geology LAB

This laboratory-based course accompanies GEOL 1304, Historical Geology. Laboratory activities will introduce methods used by scientists to interpret the history of life and major events in the physical development of Earth from rocks and fossils.

Grade Basis: L

Credit hours: 1.0

Lab hours: 2.0

Prerequisites:

- [GEOL 1304](#) - Historical Geology
-

GEOL 1105 - Environmental Science LAB

This laboratory-based course accompanies GEOL 1305, Environmental Science (lecture). Activities will cover methods used to collect and analyze environmental data.

Grade Basis: L

Credit hours: 1.0

Lab hours: 2.0

Prerequisites:

- [GEOL 1305](#) - Environmental Geology
-

GEOL 1301 - Earth Science

Survey of geology, meteorology, oceanography, and astronomy.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Restrictions:

- College readiness in reading required.
-

GEOL 1303 - Physical Geology

Introduction to the study of the materials and processes that have modified and shaped the surface and interior of Earth over time. These processes are described by theories based on experimental data and geologic data gathered from field observations.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Restrictions:

- College readiness in reading required.
-

GEOL 1304 - Historical Geology

A comprehensive survey of the history of life and major events in the physical development of Earth as interpreted from rocks and fossils.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Restrictions:

- College readiness in reading required.
-

GEOL 1305 - Environmental Geology

A survey of the forces, including humans, which shape our physical and biologic environment, and how these affect life on Earth. Introduction to the science and policy of global and regional environmental issues, including pollution, climate change, and sustainability of land, water, and energy resources.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Restrictions:

- College readiness in reading required.
-

GOVT 2107 - Federal and Texas Constitutions

A study of the United States and state constitutions, with special emphasis on Texas. Prerequisite: By permission only. Enrollment limited to students who have already completed a minimum of 6 SCH of government courses but have not satisfied the statutory requirement for the study of the federal and state constitutions. Ensures compliance with TEC §51.301.

Grade Basis: L

Credit hours: 1.0

Lecture hours: 1.0

GOVT 2304 - Introduction to Political Science

Introductory survey of the discipline of political science focusing on the scope, and methods of the field, and the substantive topics in the discipline including the theoretical foundations of politics, political interaction, political institutions and how political systems function.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

GOVT 2305 - Federal Government

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

GOVT 2306 - Texas Government

Origin and development of the Texas constitution, structure and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

GOVT 2389 - Academic Cooperative

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

HIST 1301 - United States History I

A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

HIST 1302 - United States History II

A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

HIST 2301 - Texas History

A survey of the political, social, economic, cultural, and intellectual history of Texas from the pre-Columbian era to the present. Themes that may be addressed in Texas History include: Spanish colonization and Spanish Texas; Mexican Texas; the Republic of Texas; statehood and secession; oil, industrialization, and urbanization; civil rights; and modern Texas.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

HIST 2311 - Western Civilization I

A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from human origins to the 17th century. Themes that should be addressed in Western Civilization I include the cultural legacies of Mesopotamia, Egypt, Greece, Rome, Byzantium, Islamic civilizations, and Europe through the Middle Ages, Renaissance, and Reformations.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

HIST 2312 - Western Civilization II

A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from the 17th century to the modern era. Themes that should be addressed in Western Civilization II include absolutism and constitutionalism, growth of nation states, the Enlightenment, revolutions, classical liberalism, industrialization, imperialism, global conflict, the Cold War, and globalism.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

HIST 2321 - World Civilization I

A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the emergence of human cultures through the 15th century. The course examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include the emergence of early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic

systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0

HIST 2322 - World Civilization II

A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the 15th century to the present. The course examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include maritime exploration and transoceanic empires, national/state formation and industrialization, imperialism, global conflicts and resolutions, and global economic integration. The course emphasizes the development, interaction and impact of global exchange.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0

HUMA 1301 - Introduction to the Humanities I

This stand-alone course is an interdisciplinary survey of cultures focusing on the philosophical and aesthetic factors in human values with an emphasis on the historical development of the individual and society and the need to create.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0

HUMA 1302 - Introduction to the Humanities II

This stand-alone course is an interdisciplinary survey of cultures focusing on the philosophical and aesthetic factors in human values with an emphasis on the historical development of the individual and society and the need to create.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0

INRW 0210 - Integrated Reading and Writing I

Grade Basis: L
Credit hours: 2.0
Lab hours: 2.0

INRW 0310 - Non Course Integrated Reading and Writing I

Critical reading and academic writing skills. The intervention fulfills TSI requirements for reading and/or writing. This is a NCBO course, which is non-semester-length, non-course competency-based option and intervention.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0
Lab hours: 1.0

Restrictions:

- This is a NCBO course, which is non-semester-length, non-course competency-based option and intervention.
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PHIL 1301 - Introduction to Philosophy

A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in philosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications.

Grade Basis: L
Credit hours: 3.0

Lecture hours: 3.0

PHIL 1304 - Introduction to World Religions

A comparative study of world religions, including but not limited to Hinduism, Buddhism, Judaism, Christianity, and Islam.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

PHIL 2306 - Introduction to Ethics

The systematic evaluation of classical and/or contemporary ethical theories concerning the good life, human conduct in society, morals, and standards of value.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

PHIL 2321 - Philosophy of Religion

A study of the major issues in the philosophy of religion such as the existence and nature of God, the relationships between faith and reason, the nature of religious language, religious experience, and the problem of evil.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

PHYS 1101 - College Physics I (lab)

This laboratory-based course accompanies PHYS 1301, College Physics I. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; emphasis will be on problem solving.

Grade Basis: L

Credit hours: 1.0

Lab hours: 3.0

Prerequisites:

- [PHYS 1301](#) - College Physics I

Restrictions:

- College readiness in reading and math required.
-

PHYS 1102 - College Physics II (lab)

This laboratory-based course accompanies PHYS 1302, College Physics II. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving.

Grade Basis: L

Credit hours: 1.0

Lab hours: 3.0

Prerequisites:

- [PHYS 1302](#) - College Physics II

Restrictions:

- College readiness in reading and math required.
-

PHYS 1103 - Stars and Galaxies

Laboratory in the study of stars, galaxies, and the universe outside our solar system.

Grade Basis: L

Credit hours: 1.0

Lab hours: 2.0

Prerequisites:

- [PHYS 1303](#) - Stars and Galaxies

Restrictions:

- College readiness in reading and math required.
-

PHYS 1104 - Solar System (lab)

Laboratory in the study of the sun and its solar system, including its origin.

Grade Basis: L

Credit hours: 1.0

Lab hours: 2.0

Prerequisites:

- [PHYS 1304](#) - Solar System

Restrictions:

- College readiness in reading is required.
-

PHYS 1115 - Physical Science Laboratory I

Course, designed for non-science majors, that surveys topics from physics, chemistry, geology, astronomy, and meteorology.

Grade Basis: L

Credit hours: 1.0

Lab hours: 2.0

Prerequisites:

- [PHYS 1315](#) - Physical Science I

Restrictions:

- College readiness in reading is required.
-

PHYS 1301 - College Physics I

Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, physical systems, Newton'sTMs Laws of Motion, and gravitation; with emphasis on problem-solving, constant acceleration.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Restrictions:

- College readiness in reading and math required.
-

PHYS 1302 - College Physics II

Fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0
Restrictions:

- Successful completion with a grade of C or better in PHYS 1401 is required
-

PHYS 1303 - Stars and Galaxies

Study of stars, galaxies, and the universe outside our solar system.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0
Restrictions:

- College readiness in reading and math required.
-

PHYS 1304 - Solar System

Study of the sun and its solar system, including its origin

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0
Restrictions:

- College readiness in reading and math required.
-

PHYS 1315 - Physical Science I

Course designed for non-science majors that surveys topics from physics, chemistry, geology, astronomy, and meteorology.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0
Restrictions:

- College readiness in reading and math required.
-

PHYS 2125 - University Physics Laboratory I

Basic laboratory experiments supporting theoretical principles presented in PHYS 2325 involving the principles and applications of classical mechanics, including harmonic motion and physical systems; experimental design, data collection and analysis, and preparation of laboratory reports.

Grade Basis: L
Credit hours: 1.0
Lab hours: 3.0
Prerequisites:

- [MATH 2413](#) - Calculus I
- [PHYS 2325](#) - University Physics I

Restrictions:

- College readiness in reading, and math required.
-

PHYS 2126 - University Physics Laboratory II

Laboratory experiments supporting theoretical principles presented in PHYS 2326 involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics; experimental design, data collection and analysis, and preparation of laboratory reports.

Grade Basis: L

Credit hours: 1.0

Lab hours: 3.0

Prerequisites:

- [PHYS 2326](#) - University Physics II

Restrictions:

- College readiness in reading, and math required.
-

PHYS 2325 - University Physics I

Fundamental principles of physics, using calculus, for science, computer science, and engineering majors; the principles and applications of classical mechanics, including harmonic motion, physical systems and thermodynamics; and emphasis on problem solving.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [MATH 2414](#) - Calculus II

Restrictions:

- College readiness in reading and math required.
-

PHYS 2326 - University Physics II

Principles of physics for science, computer science, and engineering majors, using calculus, involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [PHYS 2325](#) - University Physics I

Restrictions:

- College readiness in reading and math required.
-

PSYC 1300 - Learning Frameworks

A study of the (1) research and theory in the psychology of learning, cognition, and motivation, (2) factors that impact learning, and (3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Restrictions:

- Only one of the cross-listed courses can be taken for credit.

PSYC 2301 - General Psychology

General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

PSYC 2306 - Human Sexuality

This course will provide an overview of the broad field of human sexuality. Topics will be covered from various perspectives – biological, sociological, anthropological, etc., but will focus primarily on the psychological perspective. The goal is for each student to learn factual, scientifically-based information that will provoke thought and contribute to his/her own decision-making on sexual issues outside of the classroom. Cross-listed as SOCI 2306.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Restrictions:

- Only one of the cross-listed courses can be taken for credit.
-

PSYC 2314 - Lifespan, Growth & Development.

Life-Span Growth and Development is a study of social, emotional, cognitive and physical factors and influences of a developing human from conception to death.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

PSYC 2315 - Psychology of Adjustment

Study of the processes involved in adjustment of individuals to their personal and social environments.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [PSYC 2301](#) - General Psychology
-

PSYC 2319 - Social Psychology

Study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes. Cross-listed as SOCI 2326.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [PSYC 2301](#) - General Psychology

Restrictions:

- Only one of the cross-listed courses can be taken for credit.
-

PSYC 2320 - Abnormal Psychology

This course provides an introduction to the psychological, biological, and socio-cultural factors involved in the development, diagnosis, and treatment of psychological disorders. It includes a review of the historical understanding

of abnormal behavior and the development of modern diagnostic systems. It includes discussion of psychological research and practice as it relates to mental health and psychological functioning, as well as legal and ethical issues. (PSYC 2320 is included in the Psychology Field of Study.)

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [PSYC 2301](#) - General Psychology
-

PSYC 2330 - Biological Psychology

An introduction to the biological bases of behavior. Topics include evolution, genetics, research methods in behavioral neuroscience, motivation and emotion, sensation and perception, learning and memory, lifespan development, cognition, psychological disorders, and other complex behaviors. (PSYC 2330 is included in the Psychology Field of Study.)

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [PSYC 2301](#) - General Psychology
-

SCIT 1305 - Intro to Ag Chemistry

Introduction to chemical components in agricultural applications. Topics include metric system, nomenclature, solutions, and pH in relation to the areas of soils and agricultural applications. Additional topics include chemical composition of grapes and wine, importance of pH in winemaking, titratable acidity, buffer capacity and equilibriums in wine, and fermentation end products.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 2.0

Lab hours: 2.0

Prerequisites:

- [CHEM 1311](#) - General Chemistry I
-

SOCI 1301 - Introduction to Sociology

The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

SOCI 1306 - Social Problems

Application of sociological principles to the major problems of contemporary society such as inequality, crime and violence, substance abuse, deviance, or family problems.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

SOCI 2301 - Marriage & the Family

Sociological and theoretical analysis of the structures and functions of the family, the varied cultural patterns of the American family, and the relationships that exist among the individuals within the family, as well as the relationships that exist between the family and other institutions in society.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [SOCI 1301](#) - Introduction to Sociology

Restrictions:

- SOCI 1301 or consent of instructor
-

SOCI 2306 - Human Sexuality

This course will provide an overview of the broad field of human sexuality. Topics will be covered from various perspectives – biological, sociological, anthropological, etc., but will focus primarily on the psychological perspective. The goal is for each student to learn factual, scientifically based information that will provoke thought and contribute to his/her own decision-making on sexual issues outside of the classroom.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [SOCI 1301](#) - Introduction to Sociology

Restrictions:

- SOCI 1301 or consent of instructor
 - Cross-listed as PSYC 2306. Only one of the cross-listed courses can be taken for credit
-

SOCI 2319 - Minority Studies I

This course studies minority-majority group relations, addressing their historical, cultural, social, economic, and institutional development in the United States. Both sociological and social psychological levels of analysis will be employed to discuss issues including experiences of minority groups within the context of their cultural heritage and tradition, as well as that of the dominant culture. Core concepts to be examined include (but are not limited to) social inequality, dominance/subordination, prejudice, and discrimination. Particular minority groups discussed may include those based on poverty, race/ethnicity, gender, sexual orientation, age, disability, or religion.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [SOCI 1301](#) - Introduction to Sociology

Restrictions:

- SOCI 1301 or consent of instructor
-

SOCI 2326 - Social Psychology

Study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [SOVI 1301](#) - Introduction to Sociology

Restrictions:

- SOVI 1301 or consent of instructor
 - Cross-listed as PSYC 2319. Only one of the cross-listed courses can be taken for credit
-

SOVI 2336 - Criminology

The course surveys various theories of crime, with an emphasis on understanding the social causes of criminal behavior. The techniques for measuring crime as a social phenomenon and the characteristics of criminals are examined. This course addresses crime types (such as consensual or white-collar crimes), the criminal justice system, and other social responses to crime.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0

SOVI 2340 - Drug Use and Abuse

Study of the use and abuse of drugs in today's society. Emphasizes the physiological, sociological, and psychological factors.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0

SOVI 2389 - Academic Cooperative Sel Fields

An instructional program designed to integrate on-campus study with practical hands-on experience in sociology. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0

SPAN 1300 - Beginning Spanish Conversation I

Basic practice in comprehension and production of the spoken language.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0

SPAN 1411 - Beginning Spanish I

Basic Spanish language skills in listening, speaking, reading and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the beginner level.

Grade Basis: L
Credit hours: 4.0
Lecture hours: 3.0
Lab hours: 2.0

SPAN 1412 - Beginning Spanish II

Continued development of basic Spanish language skills in listening, speaking reading, and writing within a cultural framework. Students acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the high beginner to low intermediate level.

Grade Basis: L
Credit hours: 4.0
Lecture hours: 3.0
Lab hours: 2.0

Prerequisites:

- [SPAN 1411](#) - Beginning Spanish I
-

SPAN 2311 - Intermediate Spanish I

The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [SPAN 1412](#) - Beginning Spanish II
-

SPAN 2312 - Intermediate Spanish II

The consolidation of skills acquired at the Introductory level. Further development of proficiency in listening, speaking, reading and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [SPAN 2311](#) - Intermediate Spanish I
-

SPAN 2389 - Academic Cooperative

An instructional program designed to integrate on-campus study with practical hands-on work experience. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of Spanish language and literature.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

Prerequisites:

- [SPAN 1412](#) - Beginning Spanish II
-

SPCH 1311 - Introduction to Speech Communication

Introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking. (R W)

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

SPCH 1315 - Public Speaking

Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations. (R W)

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

SPCH 1318 - Interpersonal Communication

Application of communication theory to interpersonal relationship development, maintenance, and termination in relationship contexts including friendships, romantic partners, families, and relationships with co-workers and supervisors.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

SPCH 1321 - Business & Professional Communication

Study and application of communication within the business and professional context. Special emphasis will be given to communication competencies in presentations, dyads, teams and technologically mediated formats. (R W)

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

SPCH 2335 - Argumentation and Debate

Theories and practice in argumentation and debate including analysis, reasoning, organization, 235 evidence, and refutation.

Grade Basis: L

Credit hours: 3.0

Lecture hours: 3.0

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