TIP: Use the ASU Writing Center for assistance with your Area E papers.

For Area E: You must earn credit for each of the following:

**ANTH 1102** INTRODUCTORY ANTHROPOLOGY (3)
- Emphasizes and illustrates the role of culture as a major systematic determinant of human behavior and social life. Examines examples from both modern and traditional societies.
- Prerequisite(s): None
- Satisfactory grade satisfies legislative graduation requirements for US & GA History.

**ECON 2105** Macroeconomics (3)
- This introductory course explains the nature of the economic problems which any society must solve and how a mixed economy solves these problems. Topics covered include supply and demand, income and employment, money and banking, and fiscal policy.
- Prerequisite(s): MATH 1101 or MATH 1111 with a grade of C or better.

**ECON 2106** Microeconomics (3)
- The determination of prices and output levels and the explanation of economic equilibrium of individual economic units, the firm, and the industries. Prerequisite(s): MATH 1101 or MATH 1111 with a grade of C or better.

**GEOG 1111** World Geography (3)
- A study of the world and its topography, political divisions, cultural development, physical, cultural, and geographic spheres, and climatic regions; as well as cartography, geology, physics, and astronomy, as they pertain to the earth.
- Prerequisite(s): None

**HIST 2111** PRE-MODERN WORLD CIVILIZATION (3)
- A survey of world history to early modern times; examines the political, economic, social, and cultural aspects of various civilizations from ancient times to the Renaissance.
- Prerequisite(s): None

**HIST 2112** MODERN WORLD CIVILIZATION (3)
- A survey of world history from early modern times to the present; examines the development of world civilization from the beginnings of European colonization to the present, including events, trends, institutions, and ideas that have had global impact.
- Prerequisite(s): None

**PHIL 2010** INTRODUCTION TO PHILOSOPHY (3)
- A critical analysis of the emergence of philosophy and its attempt to explain the meaningfulness of human experience in the world from ancient and modern perspectives.
- A grade of C or better is required for all majors and/or minors in Political Science.
- Prerequisite(s): ENGL 1101 is permitted for the prerequisite.

**PSYG 1101** INTRO TO GENERAL PSYCHOLOGY (3)
- An introductory course covering the essential facts of federal, state and local governments in the United States.
- Prerequisite(s): None

**SOCI 2241** SOCIAL AND CULTURAL DIVERSITY (3)
- This course introduces students to the social construction of contemporary societies. Focuses on social realities constructed over gender, class, race, national origin, religion, language, and sexuality.
- Prerequisite(s): Sociology 1101 or Sociology 1102.

For Area A: You may not take more than 18 hours without special permission (example: five 3 hour classes). Most GRU classes are worth 3 credit hours, but some may be worth 1, 2, or 4 hours (check catalog and departments).

**ANTH 1102** ANTHROPOLOGY (3)
- A general survey of the biological and cultural origins and development of human beings and their societies. Based on anthropology, biological anthropology, cultural anthropology, and linguistics, this course emphasizes human adaptation through biological and cultural evolution.
- Prerequisite(s): None

**ANTH 1101** CULTURAL ANTHROPOLOGY (3)
- An introduction to the science and practice of psychology including such topics as research methodology, sensation and perception, states of consciousness, learning and memory, cognition, emotion and motivation, life span development, personality, deviance, therapy, and social psychology.
- Prerequisite(s): None

**PSYG 1103** INTRO TO THE BEHAVIORAL AND SOCIAL SCIENCES (3)
- An interdisciplinary introduction to methods and concepts in the behavioral and social sciences of anthropology, economics, psychology, sociology, and political science. This course is designed to give perspectives of different disciplines in understanding explaining human behavior and social order. (Core Curriculum Designations: C, R)
- Prerequisite(s): None

**PSYG 1102** INTRO TO HUMAN DEVELOPMENT (3)
- An interdisciplinary introduction to methods and concepts in the behavioral and social sciences of anthropology, economics, psychology, sociology, and political science. This course is designed to give perspectives of different disciplines in understanding explaining human behavior and social order. (Core Curriculum Designations: C, R)
- Prerequisite(s): None

**SOGI 1101** INTRODUCTION TO SOCIOLOGY (3)
- Introduces students to the major concepts, methods, theories, and findings of sociology—the study of human interaction in groups and organizations as well as the nature of our society and its major social institutions.
- Prerequisite(s): None

**SOGI 1100** SOCIAL PROBLEMS ANALYSIS (3)
- An analytical and critical approach to the study of contemporary social problems.
- Prerequisite(s): SOGI 1101 or SOGI 1102 or SOGI 1103 (with permission)

**SOGI 2241** SOCIAL AND CULTURAL DIVERSITY (3)
- This introductory course introduces students to the social construction of contemporary societies. Focuses on social realities constructed over gender, class, race, national origin, religion, language, and sexuality.
- Prerequisite(s): Sociology 1101 or Sociology 1102.

For Area E, you must earn credit for all of the following:

**HIST 2111** United States to 1877 (3-0-3)
- A Survey of American history to the post-Civil War period.
- Prerequisite(s): Satisfaction of S, E, C and H, or consent of instructor.
- Satisfactory grade satisfies legislative graduation requirements for US & CA History.
- Note: A student must complete both HIST 2111 and HIST 2112 for a complete history course (HIST 2112 is the second semester course).

**HIST 2112** United States since 1877 (3-0-3)
- A survey of the United States from the post-Civil War period to the present.
- Prerequisite(s): Satisfaction of S, E, C and H, or consent of instructor.
- Satisfactory grade satisfies legislative graduation requirements for US & CA Constitution.

**POLS 1101** INTRO TO AMERICAN GOVERNMENT (3)
- An introductory course covering the essential facts of federal, state and local governments in the United States.
- Prerequisite(s): None

**PHIL 1101** INTRODUCTION TO PHILOSOPHY (3)
- A critical analysis of the emergence of philosophy and its attempt to explain the meaningfulness of human experience in the world from ancient and modern perspectives.
- A grade of C or better is required for all majors and/or minors in Political Science.
- Prerequisite(s): ENGL 1101 is permitted for the prerequisite.

**PHIL 2100** INTRODUCTION TO PSYCHOLOGY (3)
- A critical analysis of the emergence of philosophy and its attempt to explain the meaningfulness of human experience in the world from ancient and modern perspectives.
- A grade of C or better is required for all majors and/or minors in Political Science.
- Prerequisite(s): ENGL 1101 is permitted for the prerequisite.

**PSYG 1101** INTRO TO GENERAL PSYCHOLOGY (3)
- An introduction to the science and practice of psychology including such topics as research methodology, sensation and perception, states of consciousness, learning and memory, cognition, emotion and motivation, life span development, personality, deviance, therapy, and social psychology.
- Prerequisite(s): None

**SOGI 1101** INTRODUCTION TO SOCIOLOGY (3)
- Introduces students to the major concepts, methods, theories, and findings of sociology—the study of human interaction in groups and organizations as well as the nature of our society and its major social institutions.
- Prerequisite(s): None
Prerequisite(s): MATH 1101 or MATH 1111.

ENGL101 COLLEGE COMPOSITION I (3)
Focuses on skills required for effective writing with emphasis on exposition, analysis, and argumentation; includes introductory use of research skills; includes instruction in word processing and computer-based research.
A grade of C or better is required. Prerequisite(s): None.

ENGL102 COLLEGE COMPOSITION II (3)
Literature based; ENGL102 develops writing skills beyond proficiency required in ENGL101. Interpretation and evaluation are emphasized; includes instruction in composition of research paper.
A grade of C or better is required. Prerequisite(s): ENGL 1101, with a grade of C or better.

MATH110 COLLEGE ALGEBRA (3)
Intensive functional approach to algebra incorporating appropriate technology. Emphasis placed on study of functions and their graphs, inequalities, and linear, quadratic, piece-wise defined, rational, polynomial, exponential, and logarithmic functions. Appropriate applications included.
Prerequisite(s): Placement or the successful completion of MATH 0099.

MATH111 INTRO TO MATHEMATICAL MODELING (3)
An introduction to math modeling using graphical, numerical, symbolic, and verbal techniques to describe and explore real-world data and phenomena. Emphasis is on the use of elementary functions to model and analyze applied problems and questions, supported by the use of appropriate technology, and on effective communication of quantitative concepts and results.
Credit not awarded for both MATH 1101 and MATH 1111. Grade of C or better required on ENGL 1101 and MATH 1111.
Prerequisite(s): Placement or the successful completion of MATH 0099.

MATH113 PRECALCULUS MATHEMATICS (3)
A rigorous study of polynomial, trigonometric, and logarithmic functions, primarily intended to prepare science and mathematics majors for calculus.
Prerequisite(s): Placement at MATH 1101 (grade of C or better) or MATH 1111. Grade of C or better required on MATH 1111. Grade of C or better required.

BIOL101 FUNDAMENTALS OF BIOLOGY (4)
Designed for non-science/math major; topics covered include chemical functions of cells, cell structure/function, cell division, genetics, animal organism systems and mechanisms of evolution.
Prerequisite(s): Placement at MATH 1101, with a grade of C or better required for both BIOL 101 and BIOL 101L.
Prerequisite(s): None. Registration closed after the last university attempts - see catalog.

BIOL102 ENVIRONMENTAL BIOLOGY (4)
A study of the understanding concepts of the biotic world including, biochemistry, cellular biology, and evolution. Physical properties of both plants and animals; animal and plant diversity, and animal and plant development, genetics, ecology and evolution, and animal behavior.
Credit may not be earned for both BIOL 1101 and BIOL 1102.
Prerequisite(s): Placement or the successful completion of MATH 099.

BIOL103 PRINCIPLES OF PHYSICS I (4)
A calculus-based physics for biology and non-science majors. This course includes the concepts of mechanics and electromagnetism. Prerequisite(s): Placement or the successful completion of MATH 099.

BIOL104 PRINCIPLES OF PHYSICS II (4)
A calculus-based physics for biology and non-science majors. This course includes the concepts of mechanics and electromagnetism. Prerequisite(s): Placement or the successful completion of MATH 099.

BIOL105 PHYSICAL SCIENCE (4)
A survey of physics including motion and energy. May include heat, sound, light, electricity, magnetism, relativity, and atoms and nuclei. Simple experiments in problem-solving and basic concepts.
Prerequisite(s): Recommended but not required: MATH 099 or MATH 111.

ASTR 1000 INTRO TO THE UNIVERSE (4)
A survey of the universe, examining historical origins of astonomy; motions and physical properties of the Sun, Moon, & planets; formation, evolution, & death of stars; structure of galaxies; expansion of the universe.
Prerequisite(s): Placement at MATH 1101, with a grade of C or better required on MATH 1111.

ASTR 1010 PHYSICAL SCIENCES (4)
A survey of physics including motion and energy. May include heat, sound, light, electricity, magnetism, relativity, and atoms and nuclei. Simple applications in problem-solving and basic concepts.
Prerequisite(s): Recommended but not required: MATH 099 or MATH 111.

MAT1101 COLLEGE ALGEBRA (3)
A college level introduction to algebra with emphasis on developing the student’s understanding of the evolution of culture in the Western world with appreciation of elements from Asia/Middle East, highlights cross-cultural ideas, ethics, and means of human expression; covers the historical period from antiquity to the seventeenth century.
Prerequisite(s): ENGL 1101 or ENGL 1102, with a grade of C or better required.

MAT1102 INTRO TO HUMAN COMMUNICATION (3)
An introduction to the communication process focusing on effectiveness in daily communication opportunities as well as basic public speaking skills.

MAT1110 FUNDAMENTAL COMMUNICATION (3)
An overview of the various disciplines of communication: interpersonal communication, intercultural communication, small group communication, and public communication.
Cannot receive credit for both COMS 1001 and COMS 1010. Neither has a prerequisite.

HUMN 3001 WORLD HUMANITIES I (4)
Interdisciplinary study of literature, art, music, and philosophy designed to develop the students' understanding of the evolution of culture in the Western world with appreciation of elements from Asia/Middle East, highlights cross-cultural ideas, ethics, and means of human expression; covers the historical period from antiquity to the seventeenth century.
Prerequisite(s): ENGL 1101 or ENGL 1102, with a grade of C or better required.

HUMN 3011 WORLD HUMANITIES II (4)
Second course in humanistic education that continues the seventh century to the present. Prerequisite(s): ENGL 1101 or ENGL 1102 and HUMN 3001.