SASC Course Descriptions

Fall 2026

Humanities and Social Sciences

ARSC 1080: College Writing and Research (4 credits)

Introduces academic and professional genres through the research and inquiry process. Students practice close reading, oral presentation, drafting, synthesis, analysis and research skills in discussion, writing workshops, and one-on-one conferences.

ARSC 2000: Constructions of Knowledge (3 credits)

This course asks students to interrogate natural learning tendencies, how they know what they know, and how to cultivate other ways of knowing beyond intellectual. They analyze how knowledge is created, discovered, and interpreted. They'll explore what faculties are involved in learning, seeing, understanding and knowing; how revolutions in knowledge arise; the relationship between knowledge and power; and what wisdom is. Students draw on different ways of expressing knowledge, including the intellect, intuition, and more.

LEAD 2000: Experiential Learning and Reflective Leadership Practice (3 credits)

Focuses on the role of experiential learning in leadership practice. Centers students as active participants in the learning process to make meaning of an individual leadership experience throughout the semester. Students practice reflective strategies and develop intentional habits to inform ongoing leadership development. Challenges students to situate themselves as they examine the role of social identities and equity-minded leadership in reflective practices for leaders and followers. Recommended prerequisite: LEAD 1000 Becoming a Leader.

EDUC 1500: Success Strategies in Higher Education (1 credit)
Introduces students to learning theories and a range of college success strategies to deepen their engagement with their academic work. Students will learn metacognitive practices to identify the values and aims driving their academic ambitions and craft their most successful path through their undergraduate experience.

ECON 2: Microeconomics (4 credits)
Examines basic concepts of microeconomics or the behavior and the interactions of individuals, firms and government. Topics include determining economic problems, how consumers and businesses make decisions, how markets work, and how they fail and how government actions affect markets.

Mathematics and Science

ARSC 1440-311R: Co-seminar in Calculus 2 (1 credit)

Offers small-group enhancement and reinforcement of topics in MATH 2300 Calculus 2. Running alongside the primary calculus course, the seminar provides a structured environment for students to revisit challenging topics such as integration techniques, series, parametric equations, and physics applications in a more interactive and collaborative setting. Through peer discussion, targeted practice, and instructor feedback, students will develop the skills and confidence needed to succeed in Calculus 2 and continue in advanced mathematics and STEM coursework.

ARSC 1440-314R: Co-seminar in Calculus 3 (1 credit)

This co-seminar is designed to support student success in MATH 2400 Calculus 3 by reinforcing core concepts, strengthening problem-solving skills, and developing effective study strategies. Running alongside the primary course, the seminar provides a structured, collaborative environment for students to revisit challenging topics such as vectors, coordinate systems, multivariable functions, and multivariable calculus. Students will engage in guided problem-solving, address common misconceptions, and build confidence in tackling complex, multi-step problems, with an emphasis on conceptual understanding, spatial reasoning, and clear mathematical communication rather than rote memorization. The course also promotes effective study habits, time management, and persistence, helping students develop the skills and confidence needed to succeed in Calculus 3 and continue in advanced mathematics and STEM coursework.

ARSC 1460: Co-seminar in Organic Chemistry 1 (1 credit)

Offers small-group enhancement and reinforcement of topics in CHEM 3311 Organic Chemistry 1. Running alongside the primary organic chemistry course, the seminar provides a structured environment for students to revisit challenging topics in a more interactive and collaborative setting. Through peer discussion, guided activities, and targeted review, students will build the tools needed to succeed in organic chemistry and continue in advanced STEM coursework.

CHEM 1113: General Chemistry 1 (4 credits)
Intended for first-semester students whose academic plans require advanced work in chemistry. Subjects: components of matter, stolchiometry, classes of reactions, gases, thermochemistry, atomic structure, electron configuration, chemical bonding, molecular shapes, covalent bonding, organic compounds, intermolecular forces, equilibrium.

CHEM 1133: General Chemistry 2 (4 credits)
Intended for second-semester students whose academic plans require advanced work in chemistry. Subjects: acid-base equilibria, buffers and titrations, thermodynamics, redox reactions, electrochemistry, transition elements and their coordination compounds, solubility/solubility equilibria, crystal field theory, kinetics, nuclear chemistry.

EBIO 1210: General Biology 1 (3 credits)
Provides a concentrated introduction to molecular, cellular, genetic, and evolutionary biology.

Emphasizes fundamental principles, concepts, facts, and questions. Intended for science majors.

IPHY 3410: Human Anatomy (3 credits)
Explores the cells, tissues, and organs that compose the different anatomical systems including integumentary, skeletal, muscular, digestive, respiratory, cardiovascular, lymphatic, nervous, urinary and reproductive.

MATH 1011: College Algebra (3 credits)
Covers simplifying algebraic expressions, factoring, linear and quadratic equations, inequalities, exponentials, logarithms, functions, graphs and systems of equations.

MATH 1150: Precalculus (4 credits)
Develops techniques and concepts prerequisite to calculus through the study of trigonometric, exponential, logarithmic, polynomial and other functions.

MATH 1300: Calculus 1 (5 credits)
Topics include limits, derivatives of algebraic and transcendental functions, applications of the derivative, integration and applications of the definite integral. Students who have already earned college credit for calculus 1 are eligible to enroll in this course if they want to solidify their knowledge base in calculus 1.

MATH 2510: Introduction to Statistics (3 credits)
Elementary statistical measures. Introduces statistical distributions, statistical inference, hypothesis testing and linear regression.