

COLLEGE OF SCIENCE AND MATHEMATICS (CSAM)

CSAM 101 Science Matters (4 credits)

This is the first course in a two-semester sequence addressing scientific literacy for students who have an interest in science. This course explores not only scientific content, but also issues in society that are influenced by science. The goal of this course is to prepare students to think critically and to understand the process of science regardless whether they choose a science major or not. Students will be introduced to scientific thinking, processes, and research through investigation of public, social, and cultural issues that may affect them locally, nationally, and globally. Students will be empowered to conduct research, investigate claims, locate and validate scientific data and sources, question cultural myths, and expand their scientific literacy. Satisfies Natural Science Lab GenEd requirement; satisfies SEEDS Scientific Reasoning student learning outcome in alignment with Educated Citizenry value.

CSAM 102 Science Matters Too (4 credits)

Prerequisite(s): CSAM 101. Restriction(s): Participation in STEM Pioneers program or permission of instructor. This is the second course in a two-semester sequence addressing scientific literacy for students who have an interest in science. This course expands the introductory topics and activities of CSAM 101 to deepen students' engagement in scientific content, but also issues in society that are influenced by science. The goals of both courses is to prepare students to think critically and to understand the process of science regardless whether they choose a science major or not. Students will be further immersed into the concepts and practice of scientific thinking, processes, and research through investigation of public, social, and cultural issues that may affect them locally, nationally, and globally. Students will be empowered to conduct research, investigate claims, locate and validate scientific data and sources, question cultural myths, and expand their scientific literacy. Meets Gen Ed - Interdisciplinary Studies.

CSAM 301 Medical Leadership (3 credits)

Prerequisite(s): Permission of Instructor. Developing leadership skills, innovations and strategies for success is an often critical for student success. To compete as a future clinician, certain skills are required including clinical hours, research placement, internships, collegial relationships, and academic prowess. This course will prepare students for all fields of medical and clinical study providing the leadership skills, experiences, trajectories, and opportunities that increase competitiveness.

CSAM 302 Health Career Exams: Social Science (3 credits)

Prerequisite(s): Permission of Instructor. This course is designed to help students achieve a better understanding of the MCAT, its content, study habits and more. It is designed to give students more tools to approach and succeed on the MCAT. While this course covers major topics on the MCAT, it will not be able to cover all of the wide variety of topics and will not cover the Science portion (see CSAM303). The idea will be to supplement, or start the students journey of the MCAT and review Psychology, Sociology and CARS content. Students will learn about the most important concepts on the MCAT which include reading and comprehending material, the basics of Psychology and the fundamentals of Sociology. Courses will include practice problems and participation to ensure engagement with the content. At the end of the course students will have better MCAT test taking understanding.

CSAM 303 Health Career Exams: Natural Sciences (3 credits)

Prerequisite(s): Permission of Instructor. This course is designed to help students achieve a better understanding of the MCAT, its content, study habits and more. It is designed to give students more tools to approach and succeed on the MCAT. While this course covers major topics on the MCAT, it will not be able to cover all of the wide variety of topics and will not cover psychology, sociology or CARS. The idea will be to supplement, or start the students journey of the MCAT and review hard science content. Students will learn about the most important concepts on the MCAT which include fundamental principles of biology, biochemistry and physics and math. Courses will include practice problems and participation to ensure engagement with the content. At the end of the course students will have better MCAT test taking understanding.