

NATURAL AND SOCIAL SCIENCES

Two school majors culminating in a bachelor of arts degree are offered by the School of Sciences. These majors afford students an opportunity to explore a wide breadth of the natural or social sciences, rather than focus on one discipline. Although a degree may be appropriate for entry-level employment, students should be aware that the school major is not intended to produce sufficient depth of preparation for admission to a graduate program in the natural or social sciences. Students should work closely with their advisor, in consultation with the Dean, to develop an appropriate plan to meet their career goals.

Programs

The Natural Science and Social Sciences Department offers these programs:

- Natural Sciences, B.A. (<http://catalog.css.edu/programs-az/sciences/natural-social-sciences/natural-sciences-ba/>)
- Social Sciences, B.A. (<http://catalog.css.edu/programs-az/sciences/natural-social-sciences/social-sciences-ba/>)

Contact Information

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Natural Sciences Courses

NSC 2777 - Topics - 0-3 cr.

Topics in NSC.

NSC 3333 - Science Methods - 4 cr.

This course is designed to assist prospective middle and high school science teachers successfully conduct and manage an inquiry-based science program. Emphasis is placed on how teachers can enhance learning and motivation for students at every stage of mental development. Topics include: technology in the science classroom, inquiry techniques, investigation techniques, demonstrations, science teaching reform, and specific science programs. Prospective teachers will plan, execute, and evaluate lesson plans with their peers in a public school setting.

NSC 3335 - Science Methods Field Experience - 1 cr.

This experience introduces prospective teachers to the culture of the high school environment. Students observe and assist a biology or chemistry teacher, interview school personnel, talk with students, and teach technology-integrated lessons and content reading strategies in their subject area. Assessment strategies are observed and practiced. Co-requisite: NSC 3333

NSC 3554 - Professional Readiness in Healthcare (Integrations : VIOP - Electives) - 1 cr.

Provides students with the academic structure and support necessary for a fulfilling and meaningful experiential learning opportunity. Course allows students to acquire professional skills and stackable credentials for post-graduate employment, and includes professional document preparation, in addition to career exploration and reflection activities.

NSC 3555 - Experiential Learning in Healthcare (Integrations : VIOP - Electives) - 3 cr.

Provides students with the academic structure and support necessary for a fulfilling and meaningful experiential learning opportunity. Course enables students to earn patient contact hours and professional skills for post-graduate employment.

NSC 3999 - Independent Study - 0-4 cr.

Independent Study.

NSC 4100 - Chemistry of Beer - 2 cr.

Introduces beer appreciation through an examination of the chemistry of beer and the factors that affect its chemical properties. The course will include a study of fermentation and metabolic processes, beer composition, and sensory perception. Students will learn to recognize the major features of beer that determine sensory quality and know the processes that produced them.

NSC 4150 - Science, Technology and Culture (Integrations : VINS - Natural Science) - 4 cr.

Studies the development of science and technology from prehistoric to modern times. The course emphasizes that science and technology are the creative products of human endeavor, shaped by many people over time from different cultures. The influence of geography, politics, environmental factors, religion, philosophy, and economics are examined as key factors in scientific and technological development. In turn, the influence of scientific and technological advancements upon human societies is considered. As appropriate, the original literature related to significant developments is examined to discern how scientific writing has changed over time. No prior knowledge of science content is required, but as needed, the science principles relevant to a particular development are broadly outlined to provide context.

Equivalent Course: PSC 4150

NSC 4777 - Topics in Natural Sciences - 0-16 cr.

Topics in Natural Science.

Social Science Courses

SSC 3900 - Social Studies Education - 4 cr.

Introduction to social studies education in both middle school and high school settings. Topics include the nature and purposes of social studies education, the social studies curriculum, planning and designing a social studies unit and course, community resources, assessment, classroom management, the Minnesota Graduation Rule, and clinical experience in a social studies classroom. Students also spend time with teachers new to the profession and participate in mock interviews for social studies teaching positions. Pre- or co-requisite: EDU 3800.

Corequisite Course: SSC 3905