

NATURAL SCIENCES (NSC)

NSC 1777 - Topics in Natural Sciences - 0-4 cr.

Topics in natural sciences.

NSC 2110 - Wilderness First Responder (WFR) (Conceptions : VCOP - Electives) - 4 cr.

Wilderness First Responder (WFR) certification is the industry standard for people who work or have a leadership role in remote and wilderness type environments including wilderness guides and trip leaders, camp counselors, research expedition members, higher education outdoor professionals, school forest and nature based educators, and search and rescue team members. The WFR course is also an excellent option for individuals who are seeking intensive medical training in order to be prepared during personal wilderness trips or extended expeditions, for medical professionals seeking ways to apply their skills outside of the clinic setting, and for people who live and work in remote areas or locations that are prone to natural disasters whose aftermath may delay emergency response.

NSC 2777 - Topics - 0-4 cr.

Topics in natural sciences.

NSC 3200 - Research Foundations - 2 cr.

Designed to prepare students for future research experiences. Topics covered include exploring research interests, discussing mentor/mentee responsibilities, identifying and evaluating research opportunities, designing resumes and personal statements, utilizing library resources, managing citations & bibliographies, reading primary literature, joining the scholarly conversation, developing hypotheses & research proposals, and considering ethics. The course is taught by a variety of faculty/staff to enrich the expertise and is a collaboration between the McNair Scholars Program and the School of Arts and Sciences (SAS).

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.

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.

Prerequisite Courses: NSC 3554

NSC 3777 - Topics - 0-4 cr.

Topics in natural sciences.

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 Society (Integrations : VINS - Natural Science) - 4 cr.

Studies science as a human activity in relationship with other aspects of society. Students engage with how historical, cultural, and social contexts influence science, and how science influences history, culture, and society. Students examine definitions of the boundaries of science, as a body of knowledge and as a creative process. Students learn some cross-cutting scientific principles and build understandings about the nature of science itself. Students contend with how science has been and should be applied to problems when complex technological, social, political, and ethical considerations also apply. No prior knowledge of particular science content is required.

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

Topics in natural sciences.