

# ENVIRONMENTAL SCIENCE (ESCI)

---

**ESCI 105. Earth Systems and Resources (with lab). (4 Credits)**

An introduction to Earth Science related systems and resources with a focus on human interaction with the surface environment. Topics include geologic hazards like earthquakes, volcanoes and landslides as well as Earth resources like critical minerals, clean water and soils. Laboratory and field trips provide training in map interpretation, rock and mineral identification, surface and groundwater quantification and local and Colorado geological history.

**ESCI 300. Environmental Science Careers. (1 Credit)**

Investigation of post-baccalaureate degree options in environmental science. Students receive guidance in finding and applying to job opportunities as well as funded graduate degree programs. Occasional guest speakers will meet with students to discuss their career paths and experiences. Prerequisites: BIOL 151 and ESCI 105, or instructor permission.

**ESCI 400. Environmental Science Seminar. (1 Credit)**

An examination of the environmental sciences through readings of primary literature, secondary literature and discussions of the environmental science discipline. The professional practices, procedures and standards of environmental science are discussed. Students will develop a professional portfolio of an environmental science project. Graded Satisfactory/Unsatisfactory only. Prerequisites: Instructor approval. This course is intended for students at the end of their Environmental Science minor.

**ESCI 450. Applied Environmental Science. (3 Credits)**

A mentored research experience in interdisciplinary environmental science. A written research proposal; field, lab or computer-based research project; and oral presentation of results are all required. ESCI majors may substitute a substantial research experience or internship for this course with approval of the ESCI council. Prerequisites: BIOL 301; GEOL 362; GEOG 340; MATH 213; or instructor permission.