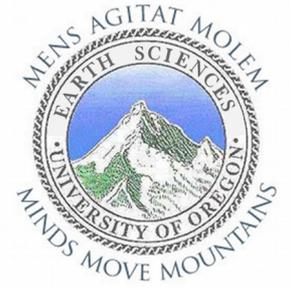


University of Oregon Department of Earth Sciences

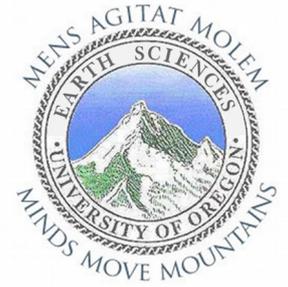




Degree Tracks

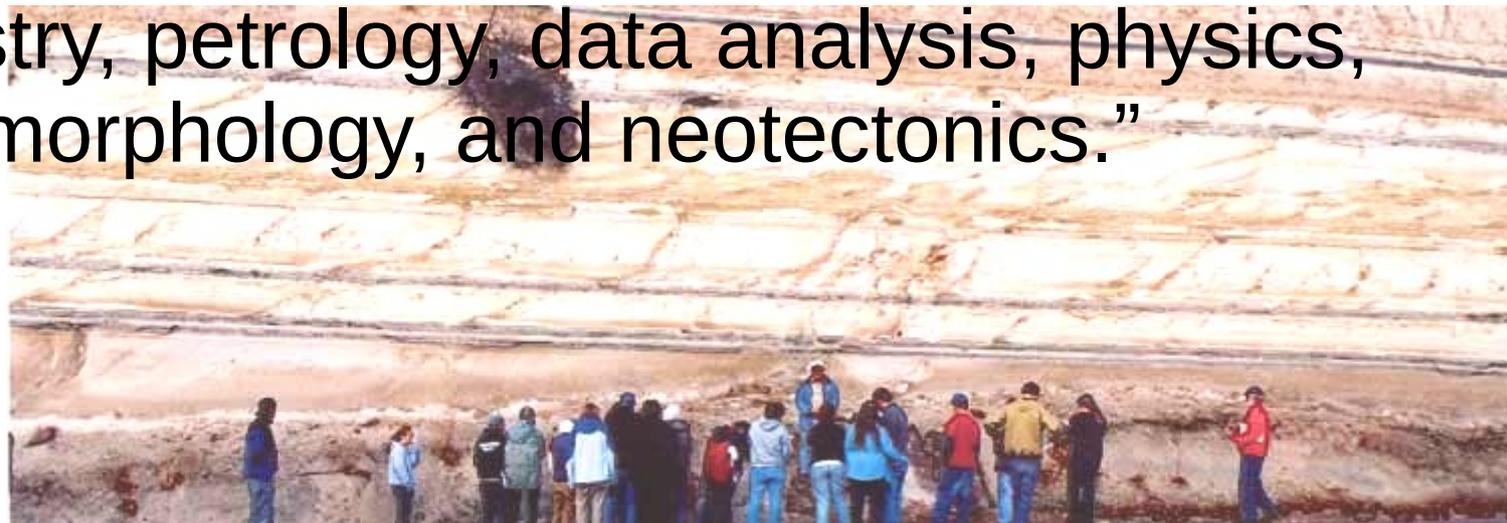
- Geology
- Environmental Geoscience
- Geophysics
- Paleontology
- Earth Sciences Minor

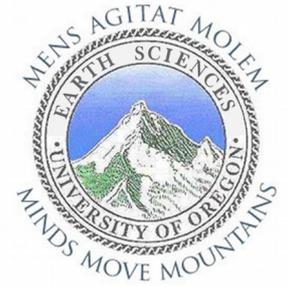




Geology Track

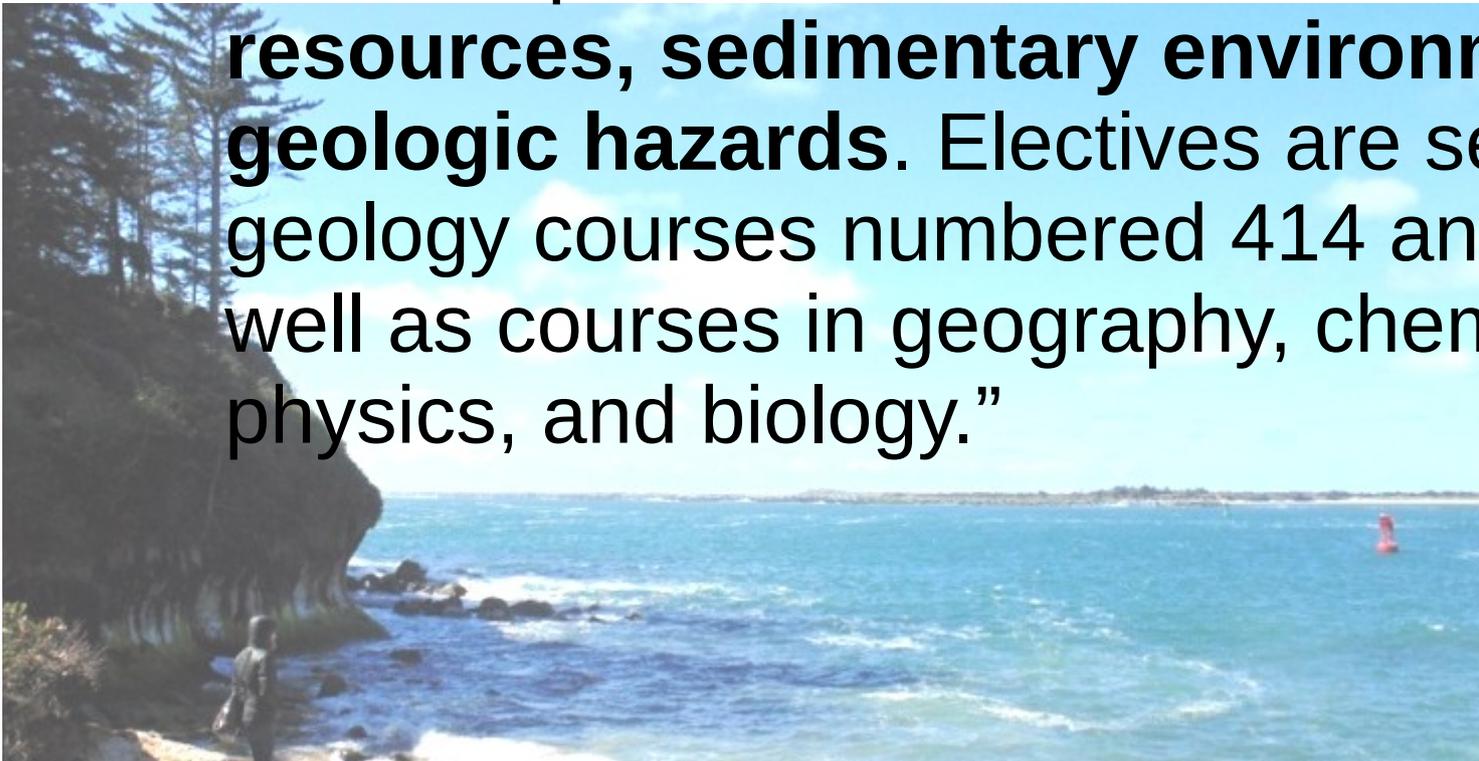
“The Geology track provides students with a rigorous background that emphasizes traditional disciplines of **petrology, structural geology, tectonics, stratigraphy, and field studies**. Upper-division electives permit students to focus in a chosen subdiscipline or develop greater breadth, and include courses in geophysics, geochemistry, petrology, data analysis, physics, math, geomorphology, and neotectonics.”

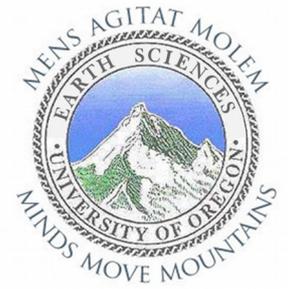




Environmental Geoscience

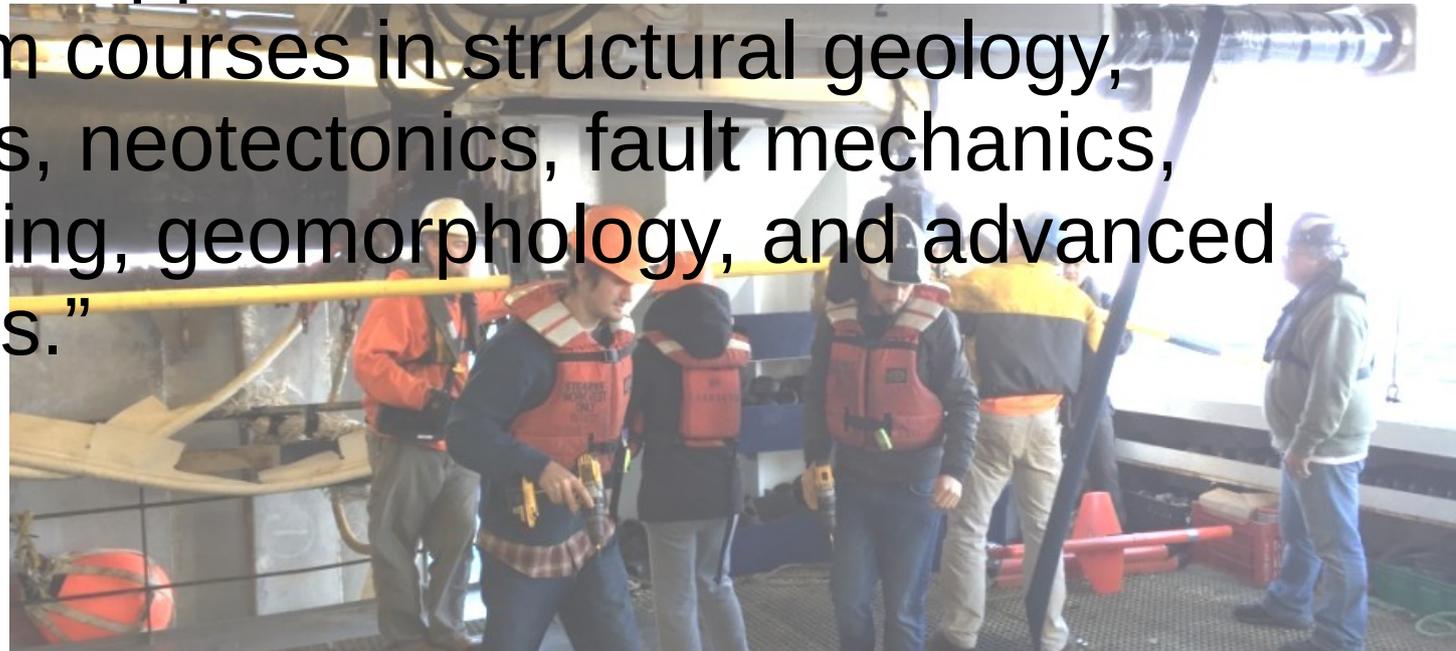
“This track is for students who want to understand the earth’s **surface environments** – rivers, hillslopes, soils, ground water and oceans – and how humans interact with these environments. Track requirements include courses in **energy resources, sedimentary environments, and geologic hazards**. Electives are selected from all geology courses numbered 414 and higher, as well as courses in geography, chemistry, math, physics, and biology.”

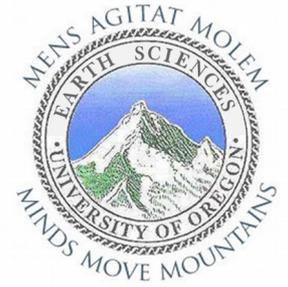




Geophysics

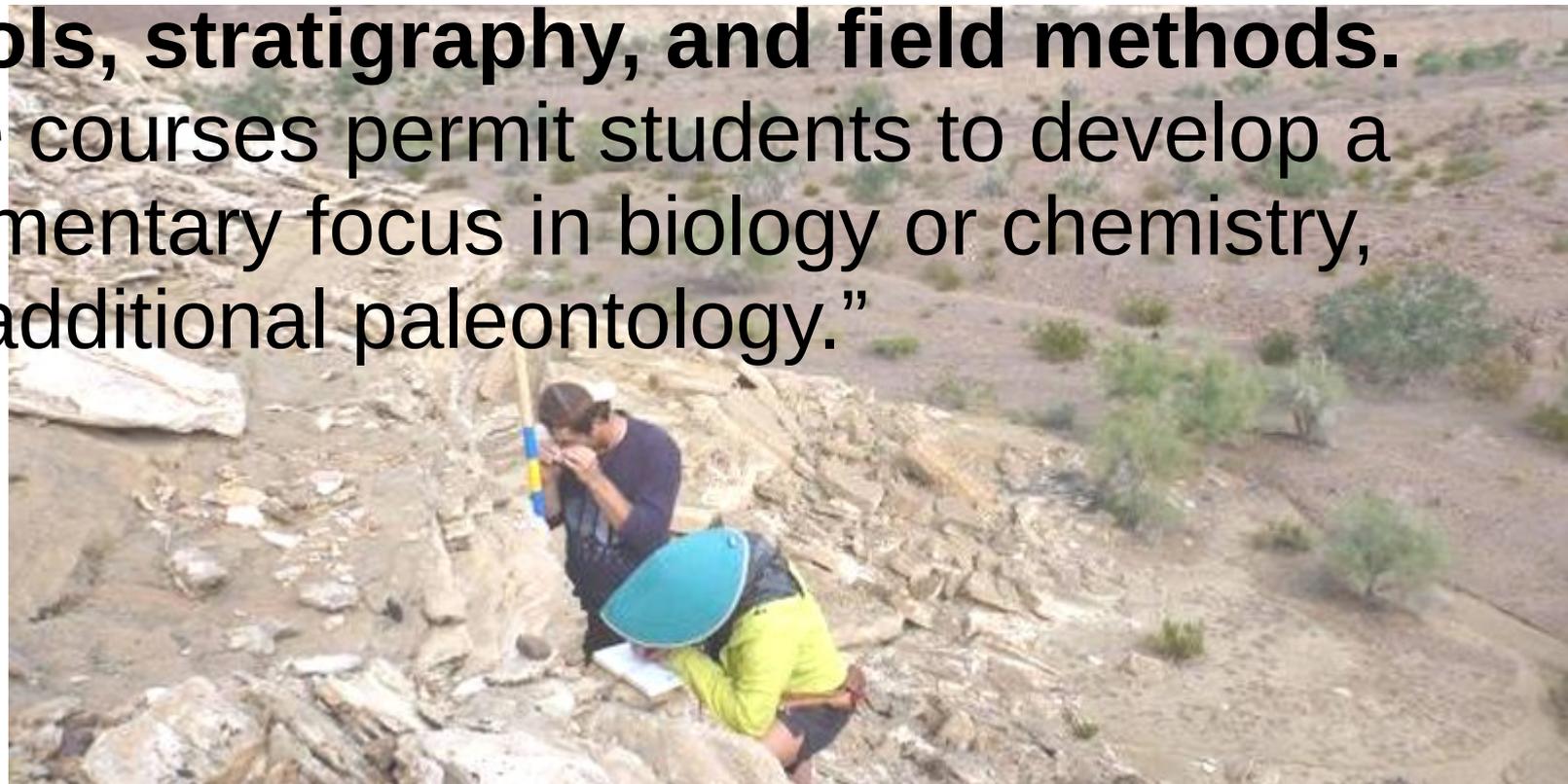
“In Geophysics, students develop a foundation in **mathematics and physics** that enables them to apply quantitative methods to understanding processes such as **earthquakes, mantle flow, plate movements, heat flow, and crustal deformation**. Upper-division electives are selected from courses in structural geology, geodynamics, neotectonics, fault mechanics, remote sensing, geomorphology, and advanced math courses.”

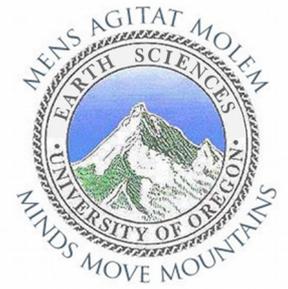




Paleontology

“In paleontology, students **study the evolution of life as preserved in fossils** extracted from ancient rocks. Students take courses in **vertebrate and invertebrate paleontology, paleosols, stratigraphy, and field methods.** Elective courses permit students to develop a complementary focus in biology or chemistry, and/or additional paleontology.”



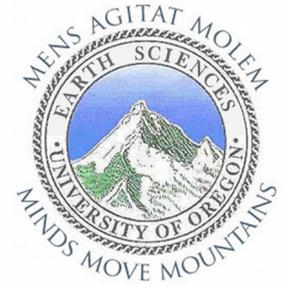


Student Opportunities



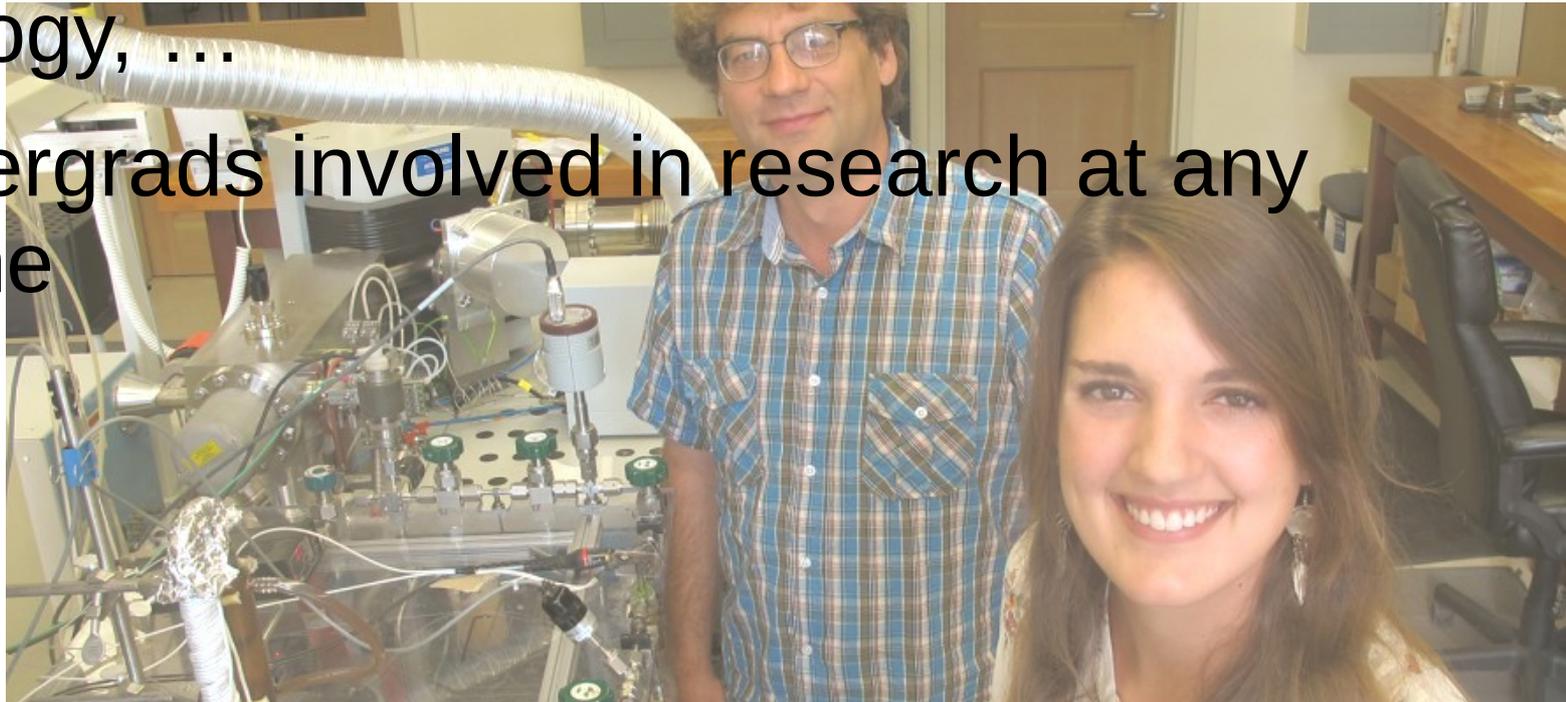
- Research opportunities
 - Honors program
- International field trips
 - Geology club
 - AAPG
 - Field camp



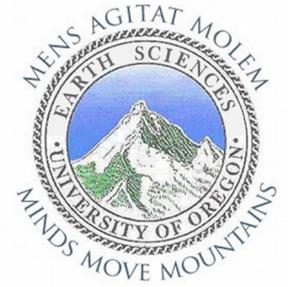


Research

- Geochemistry, seismology (tomography, fault rupture, earthquake early warning), neotectonics, geomorphology, geodesy, glaciology, oceanography, sedimentology, hydrology, paleontology, geodynamics, volcanology, ...
- ~25 undergrads involved in research at any given time

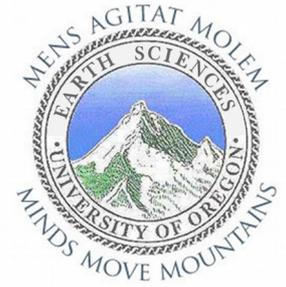


Undergrad Demographics



- 90 majors
- ~40% are transfers
- Most enter with little Earth Science background

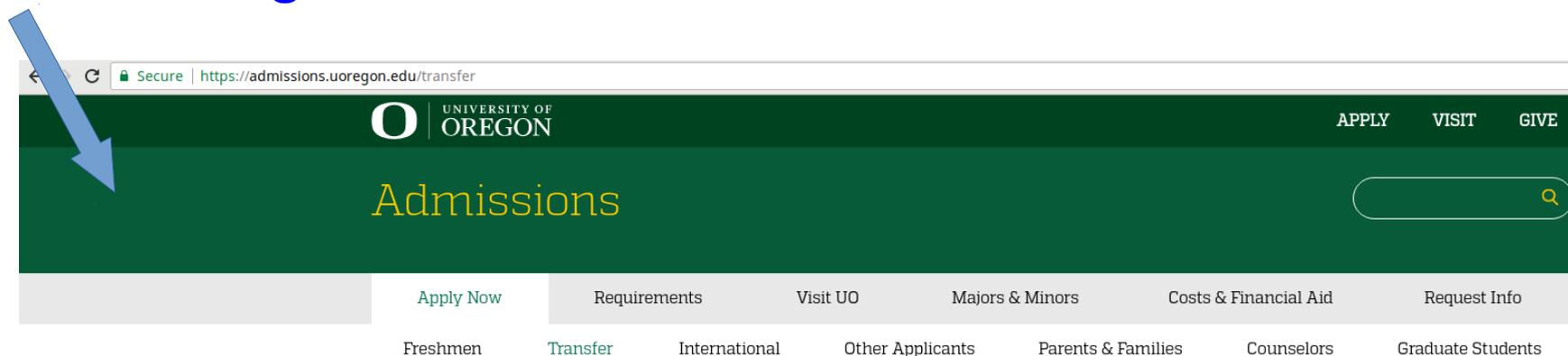


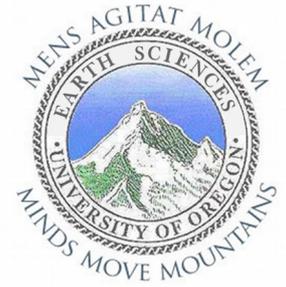


Transfer Process

- Website offers tools for calculating transfer credit equivalences, and major progress before applying.
- Department advisors can answer specific questions about individual course transfers

admissions.uoregon.edu/transfer





Contacts

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Undergrad advisers: Mark Reed (mhreed@uoregon.edu), Alan Rempel (rempel@uoregon.edu), Dave Sutherland (dsuth@uoregon.edu)

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- <https://earthsciences.uoregon.edu/>
<https://earthsciences.uoregon.edu/undergraduate-program/>
<https://admissions.uoregon.edu/transfer>

