

Facts about the University of Arizona

Department of Geosciences, 2017-2018

Who we are:

- 30 faculty and lecturers, 38 research scientists/postdocs, 77 graduate students, 240 undergraduate majors, and a large family of joint, adjunct, and emeritus faculty and researchers, and award-winning staff.
- Our faculty members include 23 GSA Fellows, 12 AGU Fellows, 7 AAAS Fellows, 3 Guggenheim Fellows, and 1 Packard Foundation Fellow.
- Our graduate students include 2 NSF Fellows, 1 EPA Fellow, 1 NASA Fellow, 1 NSAS Fellow, 1 ARCS Fellow and 2 PEO Scholars.

Rankings:

- US News and World Report national survey of graduate programs: #3 in Geology, #7 in Earth Sciences, and #8 in Geophysics/Seismology.
- US National Research Council rankings: UA Geos is 1 of 10 programs, and 1 of only 4 in public institutions, to rank in the top 10 in both “survey” and “regression” rankings.

What we do:

- We explore, discover, and train students in integrative and interdisciplinary Earth Science: tectonics, geophysics, climate & surface dynamics, earth materials & geochemistry. Our graduates pursue careers in research and education, energy and mineral resources, environmental policy, and many other areas.
- We maintain active research projects and student training opportunities with our partners at ConocoPhillips, ExxonMobil, Chevron, Freeport-McMoRan, Newmont, Hyperdynamics, and the Central Arizona Project.
- We work together in research, teaching, and outreach with internationally renowned UA collaborators in planetary, environmental, hydrologic, oceanographic, and atmospheric science, mining and engineering, and with partners in the Arizona Geological Survey, and US Geological Survey.
- We raise nearly \$7M in external funding each year from NSF, NASA, NOAA, industry, and alumni.

Highlights of Ongoing Innovation, Engagement, and Partnering

The University of Arizona Mineral Museum has been invited to become the anchor tenant in the Old Courthouse downtown, and will gain five times more exhibit space, a vibrant research environment, and outreach and education in collaboration with satellite organizations and local mineral community groups.

Geosciences has a \$2.4 million grant as part of a larger effort called the Southern Ocean Carbon and Climate Observations and Modeling program (SOCCOM) that will study the Southern Ocean’s role in climate regulation and ocean health.

A collaboration of UA geologists, geochemists, geophysicists, and hydrogeologists recently received a \$1M Keck Foundation Research Grant to study the subsurface paleofluid history of the Paradox Basin in the Colorado Plateau.

The Arizona LaserChron Center is a national NSF Facility providing geochronologic and geochemical data for the Earth Science community. Each year it generates more than 100,000 ages in collaboration with nearly 300 collaborating researchers, supporting more than 100 publications.

The GeoPathways NSF project creates opportunities for students from Arizona’s two-year colleges to complete their undergraduate degrees in UA Geosciences while engaging in paid internships with local industry and agencies.

The Institute for Mineral Resources, a global center based at the UA, bridges pure and applied science to provide guidance, professional education, and multidisciplinary research on responsible stewardship and development of mineral resources.

The “Hominin Sites and Paleolakes” Drilling Project, an International Continental Scientific Drilling Program and major NSF project led by UA Geos, collects drill cores from lakebeds in the African Rift Valley to improve understanding of the linkage between climate history and human evolution.

Peter W. Reiners, Professor and Department Head
University of Arizona • Tucson, AZ 85721
reiners@email.arizona.edu
520-621-6000
www.geo.arizona.edu



THE UNIVERSITY OF ARIZONA
COLLEGE OF SCIENCE

Geosciences

Photo: Barbara Carrapa