WHETHER YOU WANT A CAREER IN APPLIED GEOLOGY OR AN ACADEMIC PATH, FRESNO STATE CAN HELP YOU MAKE THE CONNECTIONS THAT MAKE THE DIFFERENCE.

The Fresno State Master of Science program in Geology is more than a degree. It's an experience that gives you the tools and connections you need to get a well-paying job in industry or government, or to move on to a quality Ph.D. program.

Our M.S. students have an excellent track record of succeeding after graduation, and that is due, in part, to the connections they make here. Our faculty collaborate with each other, as well as with other academic, industry and government professionals to create unique research opportunities you won't find anywhere else.

Whether your ambition is to go on to a Ph.D. program, excel in industry, become a consultant or registered geologist, or teach, the Master of Science degree in Geology from Fresno State can get you there.

We get students where they want to go.

Mathieu Richaud, Ph.D.
Marine geology and micropaleontology (foraminifera). Research: Paleowater depth reconstructions, Canterbury Basin, New Zealand. LiDAR imaging, Morro Bay spit, California. Ecology of marine sediments, Svalbard and U.S. West Coast.

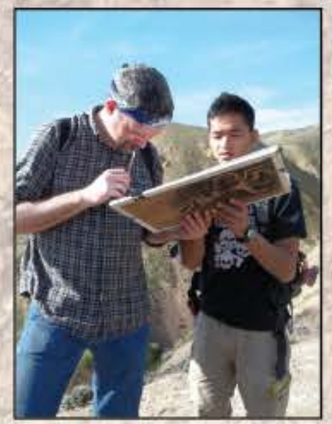
Beth Weinman, Ph.D.
Fluvial and deltaic Quaternary geology, hydrogeology, soil formation, and optical luminescence geochronology. Research: Sedimentation and soil formation in Kings River Canyon, San Joaquin River, and Feather River, CA.

Zhi (Luke) Wang, Ph.D.
Surface and subsurface hydrology, contaminant hydrogeology, water resources, climate change and watershed modeling, GIS. Research: Extreme floods in the Central Valley of CA due to climate change. Aquifer monitoring in the Central Valley. Vapor flow absorption by giant sequoias.

Pete Van de Water, Ph.D.
Paleoenvironments, Quaternary geology, arid ecosystems, pollen, packrat middens, dendrochronology, modern vegetation analogs, stable carbon isotopes. Research: Great Basin, Western U.S., atmospheric pollen.

Alain Plattner, Ph.D.
Planetary magnetic and gravity fields, near-surface geophysics, computational geophysics. Research: Planetary magnetic field mapping. Near-surface geophysical tomography. Development of analysis and tomography methods.

Robert Dundas, Ph.D.
Vertebrate paleontology, biostratigraphy, taphonomy, paleoecology, extinction. Research: Quaternary mammal faunal analysis. Taphonomy of Cretaceous Moreno Formation marine reptiles and dinosaurs.



Chris Pluhar, Ph.D.
Tectonics, paleomagnetism, geochronology, engineering geology. Research: Tectonic evolution of the Sierra Nevada, Walker Lane and CA Coast Ranges. Mass wasting in Yosemite National Park. Cataclysmic floods of the Pacific Northwest.

Keith Putirka, Ph.D.
Volcanology (eruption mechanisms). Granite evolution, mantle plumes and deep mantle composition. Thermombarometry of igneous systems. Origin of Earth's crust. History of science. Exoplanet compositions.

John Wakabayashi, Ph.D.
Tectonics, structural geology, geomorphology. Research: Sierra Nevada suture zones. Franciscan Complex. Sierra Nevada and California Coast Ranges topographic evolution.

Mara Brady, Ph.D.
Sedimentology & stratigraphy, taphonomy, quantitative stratigraphic methods, paleobiology. Research: Comparative stratigraphy and taphonomy of Paleozoic marine carbonate records. The origin of thin stratigraphic records. Fluvial fan response to Pleistocene climate change.

LOCAL GEOLOGY, GLOBAL CONNECTIONS

The diverse, world-class geology found within a few hours of campus makes for great field trips and a nearly limitless selection of research projects. This map shows just a small sampling of what is available. Faculty are also working on projects across North America, out as far as Asia and the Southern Ocean off New Zealand, and even remotely on Mars!

RECENT M.S. GRADS

Melissa Scruggs (M.S. 2014)
Correlation of magmatic development with vesicle size distributions. Chaos Crags, Mount Lassen, CA
–Currently attending Ph.D. Program at UCSB

Christopher Bowie (M.S. 2014)
Discontinuity Surfaces and Microfacies in a Storm Dominated Shallow Epeiric Sea, Cedar Valley Group, IA.
–Geologist, Devon Energy

Kiersti Ford (M.S. 2014)
Dating & Causation of the Tiltill Rock Avalanche, Yosemite National Park, CA
–Geologist, Technicon Engineering

Chad Carlson (M.S. 2013)
New tectonic model for faults of the Central Walker Lane and Eastern Sierra Nevada, CA
–Currently attending Ph.D. Program at UNR

Juanita Muniz (M.S. 2013)
Magnetostratigraphy of the Tulare and Turlock Lake Formations, San Joaquin Valley, CA
–Chemist, Inspectorate America

Jerrod Lessel (M.S. 2013)
New Thermobarometers for Martian Igneous Rocks
–Research Consultant, NASA DEVELOP

CONTACT US / APPLY

Website: www.fresnostate.edu/ees
Online Application: www.csumentor.edu

Graduate Coordinator:
Dr. Christopher Pluhar
559.278.1128 cpluhar@csufresno.edu

THE DEGREE THAT PREPARES YOU FOR YOUR NEXT STEP…

FRESNO STATE

Earth & Environmental Sciences

MASTER OF SCIENCE DEGREE IN GEOLOGY