

# UNIVERSITY OF CALIFORNIA, RIVERSIDE

## Student Learning Outcomes for the B.S. in Geology

Students completing the B.S. major will have:

1. Development of disciplinary knowledge – graduates will have mastered a broad set of topics in Earth Sciences, including fundamentals of the Earth's composition, history, physical state, climate, and the evolution and persistence of life.
2. Lab/field/computer skills – graduates will have acquired both cutting-edge and classical skills in field, laboratory, and computer/analytical techniques in Geology/Geophysics.
3. Oral/written presentation skills – graduates will have mastered written and oral communication skills, and will be able to work effectively both individually and in groups.
4. Ability to apply and synthesize information – graduates will be able to apply, synthesize, and evaluate their knowledge and skills to quantitatively solve novel problems in Geology over a wide range of spatial and temporal scales.
5. Ability to articulate science-based views of Earth processes – graduates will demonstrate the ability to understand and articulate a science based view of physical processes.
6. Ability to make critical personal/professional judgments based on their scientific understanding.

Program Website: [http://earthscience.ucr.edu/geology\\_major.html](http://earthscience.ucr.edu/geology_major.html)