**DEPARTMENT OF EARTH AND ATMOSPHERIC SCIENCES**

**Leadership**
Charles E. Graves, Ph.D  
Department Chair
Robert B Herrmann, Ph.D.  
Graduate Program Coordinator Geoscience
Zaitao Pan, Ph.D.  
Graduate Program Coordinator Meteorology
Dan Hines, Ph.D  
Graduate Program Coordinator Environmental Science
John Encarnacion, Ph.D.  
Undergraduate Program Coordinator

**Overview**
The Department of Earth and Atmospheric Sciences offers a range of undergraduate and graduate programs in Environmental Science, Environmental Studies, Geology, Geophysics, and Meteorology. The department has a tradition of combining strong classroom and field-based instruction with internationally recognized research across a broad spectrum of the physical sciences, including seismology and solid earth geophysics, tectonics, synoptic meteorology, environmental systems, and the study of modern and ancient climate change.

**Programs**

**Undergraduate**
- Environmental Science, B.A. ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/environmental-science-ba](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/environmental-science-ba))
- Environmental Science, B.S. ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/environmental-science-bs](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/environmental-science-bs))
- Environmental Science, Minor ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/environmental-science-minor](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/environmental-science-minor))
- Environmental Studies, B.A. ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/environmental-studies-ba](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/environmental-studies-ba))
- Geology, B.A. ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geology-ba](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geology-ba))
- Geology, B.S. ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geology-bs](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geology-bs))
- Geology, Minor ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geology-minor](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geology-minor))
- Geophysics, B.S. ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geophysics-bs](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geophysics-bs))
- Meteorology, B.A. ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/meteorology-ba](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/meteorology-ba))
- Meteorology, B.S. ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/meteorology-bs](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/meteorology-bs))
- Meteorology, Minor ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/meteorology-minor](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/meteorology-minor))

**Graduate**
- Geographic Information Science, M.S. ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geographic-information-science-ms](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geographic-information-science-ms))
- Geoscience, M.S. ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geoscience-ms](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geoscience-ms))
- Geoscience, Ph.D. ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geoscience-phd](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geoscience-phd))
- Meteorology, M.S. ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/meteorology-ms](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/meteorology-ms))
- Meteorology, Ph.D. ([http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/meteorology-phd](http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/meteorology-phd))

**Faculty**
Karl Chauff, Ph.D.
David Crossley, Ph.D.
William Dannevik, Ph.D.
John Encarnacion, Ph.D.
Cathy Finley, Ph.D.
Jack Fishman, Ph.D.
Benjamin de Foy, Ph.D.
Charles Graves, Ph.D.
Daniel Hanes, Ph.D.
Elizabeth Hasenmueller, Ph.D.
Robert Herrmann, Ph.D.
Zaitao Pan, Ph.D.
Robert Pasken, Ph.D.
Linda Warren, Ph.D.
Valorie Wilmoth, Ph.D.
Lupei Zhu, Ph.D.