

# 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>)
- Environmental Science, B.S. (<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>)
- Environmental Studies, B.A. (<http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/environmental-studies-ba>)
- Geographic Information Systems, Certificate (<http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geographic-information-systems-certificate>)
- Geology, B.A. (<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>)
- 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>)
- Meteorology, B.A. (<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>)
- 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>)
- Geographic Information Systems, Post-Baccalaureate Certificate (<http://catalog.slu.edu/colleges-schools/arts-sciences/earth-atmospheric-sciences/geographic-information-systems-post-baccalaureate-certificate>)
- Geoscience, M.S. (<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>)
- Meteorology, M.S. (<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>)

## 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.