Saint Louis University's department of Earth and atmospheric sciences 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, earth surface processes, fluvial processes, coastal morphodynamics and the study of modern and ancient climate change. The department includes the first geophysics department in the Western Hemisphere.

Master of Science in Geoscience:

The M.S. program prepares students for careers in private industry and government agencies or for further advanced studies. Three concentrations are available: geology, geophysics and environmental geoscience. The non-thesis option requires 33 credit hours to complete; the thesis option requires 24 credit hours to complete, plus six credit hours of thesis credit.

Doctor of Philosophy in Geoscience:

The Ph.D. program prepares students for careers in academic research, teaching, government or industrial research environments. Two concentrations are available: geophysics and environmental geoscience. A minimum of 48 credit hours of preparation is required when the doctorate is pursued directly from the baccalaureate.

OVERVIEW >>

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APPLICATION DEADLINE >>

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Deadlines for assistantships are listed online.

APPLICATION REQUIREMENTS >>

- Application form and fee (if applicable)
- Transcript(s)
- Three letters of recommendation
- GRE general
- Résumé or curriculum vitae
- Goal statement

ADMISSION CRITERIA >>

All applications are considered on an individual basis with a balanced approach. Strong applicants will have bachelor’s degree with a GPA of a 3.0.
Geosciences
+ College of Arts and Sciences

FACULTY >>

Karl Chauff, Ph.D.: Paleontology, stratigraphy, petrography

David J. Crossley, Ph.D.: Earth dynamics, geophysics

John Encarnacion, Ph.D.: Geology, tectonics, petrology, geochemistry

Daniel M. Hanes, Ph.D.: Coastal processes and geomorphology, particle science and technology, sediment dynamics and erosion

Elizabeth A. Hasenmueller, Ph.D.: Hydrology, environmental geochemistry, isotope geochemistry, critical zone processes

Robert B. Herrmann, Ph.D.: Ground motion and earthquake engineering applications, source parameters

Linda M. Warren, Ph.D.: Deep earthquakes, subduction zones, Earth structure and dynamics, seismic arrays

Abuduwasiti Wulami, Ph.D.: Remote sensing, inSAR/DinSAR, hydrologic modeling, natural hazards

Lupei Zhu, Ph.D.: Seismic waveform modeling and Earth structure, earthquake source, real-time seismology

CONTACT INFORMATION >>

Robert Herrmann, Director

EMAIL | Robert.herrmann@slu.edu
PHONE | 314-977-3120
WEB | www.slu.edu/arts-and-sciences/earth-atmospheric-sciences

PROGRAM HIGHLIGHTS >>

Career Paths:
Possible careers include earthquake hazard analyst, environmental consultant, climate change mitigation and adaptation and exploration geophysicist.

FINANCIAL SUPPORT >>

Assistantships:
Assistantships are available. To be considered, applications must be received by Feb. 1.