Geosciences
+ College of Arts and Sciences

Saint Louis University is a Catholic, Jesuit institution that values academic excellence, life-changing research, compassionate health care, and a strong commitment to faith and service.

Founded in 1818, the University fosters the intellectual and character development of nearly 14,000 students on two campuses in St. Louis, Missouri, and Madrid, Spain. Building on a legacy of nearly 200 years, Saint Louis University continues to move forward with an unwavering commitment to a higher purpose, a greater good.

OVERVIEW

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 nonthesis 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.

CONTACT INFORMATION

Robert Herrmann, Director

EMAIL: herrmarb@slu.edu
PHONE: 314-977-3120
WEB: slu.edu/x35834.xml

APPLICATION DEADLINE

M.S. Ph.D.

FALL: July 1 July 1
SPRING: N/A N/A
SUMMER: N/A N/A

Deadlines for assistantships are listed online.

DEGREES AND PROGRAMS OFFERED

• Master of Science (M.S.) in Geosciences
• Doctor of Philosophy (Ph.D.) in Geosciences

COURSES AVAILABLE

DAYS ☑ NIGHTS ☐ WEEKENDS ☐ ONLINE ☐

APPLICATION REQUIREMENTS

• Application form and fee
• Three letters of recommendation
• GRE G score
• Résumé
• Professional goal statement

ADMISSION CRITERIA

There are no prerequisite degree requirements for entry into the program.
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Career Paths:
Possible careers include earthquake hazard analyst, environmental consultant, climate change mitigation and adaptation and exploration geophysicist.

Financial Support

Assistantships are available. Applications must be received by Feb. 1.

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Program Highlights

Geosciences 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
- Abduwasiti 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

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