

## ABOUT US

UTSA's Department of Geological Sciences offers degrees in geology, multidisciplinary sciences, and geographic information science certification.

Areas of research emphasis include environmental geosciences, geochemistry, hydrogeology, mineralogy-petrology, paleontology, structural geology sedimentology-stratigraphy, water resources, and geographical information systems.

- B.A. in Geology
- B.S. in Geology
- Minor in Geology
- M.S. in Geology
- B.S. in Multidisciplinary Sciences
- Certification in Geographic Information Sciences



## UTSA

Geological Sciences  
One UTSA Circle  
San Antonio, TX 78249  
(210) 458-4455  
(210) 458-4469 fax

## UTSA AT A GLANCE:

Established: 1969

28,413 students enrolled

Classes offered at both the Main and Downtown campuses

More than 57 percent of students come from groups under-represented in higher education

Visit UTSA's web site at:

[www.utsa.edu/about](http://www.utsa.edu/about)

Visit us at:  
[www.utsa.edu/geosci](http://www.utsa.edu/geosci)

*The University of Texas at San Antonio*

College of Sciences

# UTSA

## Department of Geological Sciences

UTSA

# Geological Sciences at The University of Texas at San Antonio

## FACULTY

*Stuart J. Birnbaum:* Sedimentary, Stratigraphy, Geochemistry, Geoscience Education

*Alan R. Dutton:* Hydrogeology, Groundwater Modeling, Aqueous Geochemistry

*Weldon W. Hammond Jr.:* Hydrogeology, Engineering Geology

*Judith K. Haschenburger:* Sediment Transport in Gravel-bed Channels, Channel-Floodplain Interactions, Methodology

*Lance L. Lambert:* Paleontology, Stratigraphy

*Kyle E. Murray:* Surface and Groundwater Hydrology, Environmental Applications of GIS, Algae-based Biofuels

*Eric R. Swanson:* Geology of the Sierra Madre Occidental, Mexico; History of Geology, Science Writing

*Hongjie Xie:* Remote Sensing, GIS, Geoinformatics

## Research Faculty

*Stephen F. Ackley:* Polar Sciences

## Instructional Faculty

*Rene Hefner, Lecturer*

*Robert Janusz, Lecturer*

*Carter Keairns, Senior Lecturer*

*Ryan Rudnicki, Senior Lecturer*

*David Young, Senior Lecturer*

## GEOLOGY

The Department of Geological Sciences at the University of Texas at San Antonio has a range of research programs central to the earth sciences.

These include environmental geosciences, field geology, general geochemistry, groundwater/hydrogeology, igneous and metamorphic petrology, sedimentology and stratigraphy, paleontology, geomorphology, GIS and remote sensing. We offer the BA, BS, and MS degree in Geology, and minor in Geology.

## MULTIDISCIPLINARY SCIENCES

The Department of Geological Sciences offers a B.S. degree in multidisciplinary sciences, which gives students broad training in the sciences and prepares them to teach science at the secondary school level. Areas of study include biology, chemistry, geology, and physics. Students seeking teacher certification should contact the College of Education and Human Development Teacher Advising and Certification Center early in their studies for information about certificate requirements and admission procedures. Undergraduates seeking elementary teacher certification must complete the interdisciplinary studies degree.

## PROFESSIONAL CERTIFICATE IN GEOGRAPHIC INFORMATION SCIENCE (GIS)

The purpose of this certificate program is to help people from various academic disciplines become competent users of GIS and related tools of the Global Positioning System and Remote Sensing. This 15-hour graduate-level program is open to degree-seeking, special graduate or non-degree seeking students from any discipline at UTSA.

## ASSOCIATED INTER-DISCIPLINARY PROGRAMS:

B.S. and M.S. in Environmental Sciences

Ph.D. in Environmental Science and Engineering

**RESEARCH CENTER:**  
*Center for Water Research*

