Introduction: The Department of Geological Sciences is part of the College of Sciences, which is the third largest of nine colleges at UTSA. The COS and Department envisions itself a leader of higher learning in sciences, with local and global impact.

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.

Multidisciplinary Sciences: We offer a BS 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.

Professional Certificate in Geographic Information Sciences (GIS): The Certification in Geographic Information Sciences is a 15-hour graduate program designed for people from various academic disciplines become competent users of Geographical Information Science and related tools of the Global Positioning System and Remote Sensing.

Research

Our program offers state-of-the-art facilities to provide students the opportunity to learn, participate, and acquire skills in areas of geological or earth systems study. Research areas include environmental geosciences, geochemistry, hydrogeology, mineralogy-petrology, paleontology, structural geology, sedimentology-stratigraphy, water resources, and geographical information systems, hydrologic modeling, and renewable energy (algae based bio-fuels).

Computer facilities introduce students to software used in remote sensing, SMT Kingdom software that is used in the petroleum environment, and hydrologic modeling programs. The research carried out by the faculty members produces publications in world renowned journals.

For further information about our programs and the department, visit us on the web at: www.utsa.edu/geosci

The Graduate School web site: www.graduateschool.utsa.edu