Geographic Information Science Student Organization (GISSO)

Enjoy the camaraderie of becoming a GISc student at Texas A&M University-Corpus Christi. GISc is an ideal source for upcoming recruitment events, resume-enhancing community service, and fun. GISSO is a chapter member of the American Congress of Surveying and Mapping (ACSM) and the Texas Society of Professional Surveyors (TSPS). These two professional organizations within GISSO provide scholarship and networking opportunities with professionals of the geo-spatial field. GISSO attends many conferences across the nation annually as well as coordinates trips and projects alongside the researchers at the Conrad Blucher Institute. More information about GISSO is available through the GISc website.

Faculty

GISc instructors bring their work experience into the classroom. The faculty is diverse in their specializations and recognized internationally for their efforts. Interests include: hydrographic surveying, photogrammetric surveying, sea level monitoring, digital surface modeling, remote sensing, GIS technologies, geospatial semantic web development, internet GIS, systems programming, land administration, interpolation and generalization methods, GISc faculty are lead investigators in the Texas Height Modernization program, which researches critical elevation changes throughout Texas. The faculty is also involved in the Texas Coastal Ocean Observations Network project (TCOON), which measures water level changes through marine sensors located along the Gulf Coast.

Learn More

Contact the GISc program coordinator, your academic advisor, or the Conrad Blucher Institute for more information on getting started or to answer any questions about becoming a GISc student at Texas A&M University-Corpus Christi. Contact information is listed within this brochure and at: http://gis.c.tamu.edu

Contacts

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About the Island

Texas A&M University-Corpus Christi has roots that go back 60 years. With over 20,000 students, the University is the only one in the nation that is located on its own island. With palm trees lining the pathways throughout the 240-acre campus, the nearby natural wetlands, and a beach along Ocean Drive, Texas A&M Corpus Christi becomes a first-choice destination for many. Our attitude stays young because we are able to adapt quickly to new technologies and engage new energies. Corpus Christi and the Coastal Bend are vacation destinations. With more than 500,000 people throughout the region, the area provides both the amenities of a major city and the intimacy of comfortable neighborhoods. You’ll enjoy the many festivals held in a vibrant downtown, the breathtaking waterfront, the numerous concerts, cultural activities and professional sports events.

Location is Everything

Texas A&M University
Corpus Christi

College of Science and Engineering
My internship was a tremendous opportunity. I gained valuable experience in differential global positioning systems, precision navigation and acoustic surveying methods and application. I was involved in many aspects of communication such as daily progress reports, maintaining project log books, resolving technical issues with other technicians, updating the crew chief at shift changes and communicating with the client representatives as needed.

-Cody Musick, Geomatics Major, Class of 2010

"This map was created by Dr. Richard Smith during his undergraduate work. He helped me with the data after the ColumbiaErie Canal burned down.

-Dr. Richard Smith, GIS Major, Class of 2003

Nearly all the GIS: students have job offers well before completing their degree. The average annual starting salaries are approximately $43,000 for mapping technicians and $52,000 for surveyors. Examples of career pursuits and potential employers in GIS:

GIS Specialist
GIS Technologist
Data Analyst
Geospatial Scientist
National Aeronautics and Space Administration (NASA)
National Oceanic and Atmospheric Administration (NOAA)
National Geospatial Survey (NGS)
Military Intelligence & Homeland Security
Professional Land Surveyor
Oil Industry (on-shore & off-shore)
National Parks and Environmental Agencies
Real Estate & Land Developers
Cruise Ship Investigation (Forensic Surveyor & Expert Witness)
Business Owner
Computer Scientist and Programmer
Eri
Naver
Google
Autodesk
Systems Engineer
Leica
TopoCon
Trimble
ESRI
GIS Project Manager for Local Governments
Law Enforcement and EMS
Department of Transportation
Postal Services
Department of Health
Land Records
Utilities & Community Planning
Cartographer
Photogrammetrist
Stereo Plotter Operator
Geodesist
Computer Aided Draftsman & Cartographic Designer

Please see our website for more information on GIS degree requirements:
http://gisc.tamucc.edu

Bachelor of Science in Geographic Information Science
- This 4-year degree is ABET accredited and focuses in Geographic Information Science. Classes covering geomatics and geographic information systems (GIS) provide students with a broad spectrum of knowledge. This thorough curriculum produces more productive, valuable, and in-demand graduates for the workforce. Students will be able to take the board exams for STI and RPLS, work in specialized GIS fields, or both.

Post-Baccalaureate Certificates in Geomatics or Geographic Information Systems
- The post-baccalaureate certificates in Geomatics and Geographic Information Systems (GIS) are designed for students who hold a bachelor's degree or master's degree in fields other than Geographic Information Science and desire to move their educational focus to the geospatial sciences. Students who focus on geomatics will be eligible for the STI and RPLS board exams. Students who focus on GIS will be vested in applications, design of software, and analytic techniques that are vital for the career in the geospatial field.

Bachelor of Applied Science in Digital Information Mapping
- This 4-year degree is a Bachelor of Applied Science (BAS) and is offered through the college of Liberal Arts. The BAS is intended for students who already have an associate's degree in a related field and want to increase their comprehension of geographic information technology. Students of this degree plan will graduate with the vast technical know-how to compete in today's geospatial market.

Master of Science in Geospatial Surveying Engineering
- The Master of Science in Geospatial Surveying Engineering will provide students with knowledge and skills that focus on research, design, development, and use of technologies that relate to the geospatial science field. Topic areas include: geographic information science, land surveying, geodesy, photogrammetry, and systems engineering. These courses are taught online, making it ideal for students who are already working.