GEOGRAPHIC INFORMATION SYSTEMS TECHNOLOGY (BS)

Our cutting-edge STEM program prepares students to enter the high-growth geospatial industry.

Students will study principles of map science and cartographic design, programming with Python and Javascript, remote sensing techniques, spatial analysis and modeling, designing maps for web and mobile environments, as well as applying geographic information science principles using ESRI's software. The degree culminates in a capstone project, in which students will propose and complete a substantive project that demonstrates their comprehensive knowledge of GIS systems, science, technologies and methodologies.

By the end of the program, students will not only be proficient in GIS & T, they will have developed time and project management skills, and - through project-based learning - have practice in compiling data, designing databases, creating methodological strategies for solving problems, choosing the best analytical techniques to solve problems, and professionally presenting results.

Our classes are dynamic and contemporary, allowing us to take advantage of the latest in GIS technologies and innovations in online teaching. Additionally, GIST classes are designed by tenured faculty working alongside professionals in the industry.

GIS & T is a high growth industry worldwide. In the United States alone, the market is growing at a rate of approximately 35% per year. In the commercial sector, GIS&T is expanding by 100% every year according to the US Department of Labor. A STEM degree in geospatial technologies opens doors to careers in business, government and non-profit agencies.

The University of Arizona BS-GIST degree is a collaboration between the School of Geography and Development - housed in the College of Social and Behavioral Sciences - and the School of Natural Resources and the Environment – in the College of Agriculture and Life Sciences.

COST & ELIGIBILITY

PER UNIT COST:
$515