DESCRIPTION:
The Geography Department offers a minor in Geotechnologies. The Geotechnologies specialization emphasizes proficiency in geo-spatial methods. Additional skills developed include: critical thinking and reasoning, visual design, research techniques, oral and written communications, and mathematics and statistics. Students obtaining the Geotechnologies minor will learn the tools, methods, and software necessary to manage and analyze spatial data and information to be applied within their own disciplines. Courses can be applied towards becoming a certified GIS Professional (GISP) from the GIS Certification Institute. The minor will be composed of 19-20 units of coursework in the geotechnologies. Up to 6 units may be taken outside the department.

Students are encouraged to meet with their assigned departmental advisor every semester to ensure adequate progress towards graduation.

Program Requirements (19-20 units)
A. Required Courses (10 units)
   GEOG 210 - Introduction to Geotechnologies (3 units)
   GEOG 312 - Cartography (3 units)
   GEOG 405 - GIS I: Geographic Information Systems and Science (4 units)

B. Electives (9-10)
   GE 404 - Introduction to Aerospace Remote Sensing (3 units)
   GEOG 407 - Advanced GIS Analyses (4 units)
   GEOG 409 - GIS Design Studio (3 units)
   GEOG 411 - Remote Sensing: Principles and Applications (3 units)
   GPH 411 – Geophysical Geodesy (3 units)
   GEOG 412 - Computer Mapping (3 units)
   GEOG 416 - Spatial Analysis (3 units)