Remote Sensing Analysis and Geospatial Information Systems (GIS)

Graduate Certificate
18 Credit Hours

This program is offered by the Walker School of Business & Technology. It is available at the Colorado Springs Metropolitan and the Peterson Air Force Base campuses.

For information on the general requirements for a certificate, see Certificate Program Policies and Procedures under the Academic Policies section of this catalog.

Program Description
This certificate is designed to prepare individuals for positions in public and private sectors of the Remote Sensing and Geospatial Information Systems (GIS) profession. Students receive a comprehensive overview of satellite delivered remote sensing capabilities and an appreciation for broad applications in government and commercial sectors. The curriculum employs hands-on techniques for demonstrating the use and application of subject matter and includes current best-practices as well as evolving techniques. Decision-makers and analysts in federal, state and local government as well as private industry will gain necessary skills and experience to enable them to leverage imagery and GIS products in delivering real organizational value.

The U.S. Department of Education defines Gainful Employment program criteria and data requirements. View this program’s Gainful Employment Disclosures at http://www.webster.edu/consumers/gainful-employment/graduate/remote-sensing-and-geospatial-information-systems/gedt.html to see important information about the education debt, earnings and completion rates of students who attended this program.

Requirements
Students seeking the certificate in remote sensing analysis and geospatial information systems (GIS) should hold a baccalaureate degree from an institution accredited by one of the regional accrediting agencies. Students entering this program should have a basic set of computer application skills and possess good mathematical skills.

The 18 credit hours required for the certificate in remote sensing analysis and geospatial information systems (GIS) includes the following courses:

- SPSM 5300 Remote Sensing Analysis Concepts and Geospatial Information System Technology (3 hours)
- SPSM 5310 Remote Sensing and Geospatial Information System Applications (3 hours)
- SPSM 5320 Remote Sensing and Geospatial Imagery Analysis (3 hours)
- SPSM 5330 Geospatial Information System (GIS) Technologies (3 hours)
- SPSM 5340 GPS-Position Determination and Coordinate Applications (3 hours)
- SPSM 5360 Practical Research in Remote Sensing Analysis and Geospatial Information Systems (3 hours)

Admission
Students who are interested in applying to this certificate program should see the Admission section of this catalog for general requirements.

Send all admissions materials to:
Office of Admission