GEOGRAPHIC INFORMATION SYSTEMS AND GEOMATICS GRADUATE CERTIFICATE

Introduction

The graduate certificate in geographic information systems (GIS) is designed to supplement knowledge needed in the professional work environment or as a way to see if a graduate degree in GIS is a good fit. Students may earn this certificate without formal admission to a master's degree program in engineering if they take these classes as a non-degree student.

Program Requirements

The GIS graduate certificate requires the successful completion of four core GIS classes with a grade of B- or better; any prerequisites for those individual classes are also required.

Code	Title	Hours
CVEN 5381	Introduction to Geographic Information Systems	3
CVEN 5382	Geospatial Data Development	3
CVEN 5384	GIS Project Management	3
CVEN 5385	GIS Relational Database Systems	3
CVEN 5386	GIS Laboratory	3
CVEN 5387	Advanced Remote Sensing	3
CVEN 5390	Interactive Web Mapping GIS	3
CVEN 5391	Introduction to Geomatics	3
CVEN 5392	Unmanned Aerial Systems	3
CVEN 5395	GPS/GNSS	3
CVEN 5396	HDS/LiDAR Tools & Data Analyses	3
CVEN 5397	Unmanned Aerial Systems Data processing	3

For more information about geomatics and geographic information systems at CU Denver, visit our research page (https://engineering.ucdenver.edu/civil-engineering/research-specialty-areas/geomatics-gis/).

For general information contact the Department of Civil Engineering at civilengineering@ucdenver.edu.