

## Department of Built Environment

### Geomatics Minor Program

The minor in Geomatics is designed to provide undergraduate students in other majors with the fundamentals of Geomatics necessary for advanced study in the discipline and/or employment in Construction / Surveying / Engineering related occupations. The minor in Geomatics offers a structured program that allows students to acquire some level of expertise in areas common to all Geomatics / Construction / Surveyors as well as a deeper knowledge in at least one specific area of interest. For the program, 24 credit hours must be completed and passed where 12 of the 24 Hours must be in a 200 level course or higher. The student must complete at least 24 hours of academic credits in their own major before declaring a minor and must have minimum GPA of 2.2. A student may not have more than the two minors regardless of the student's major. The minor will be printed on the students' transcript but not on the Diploma.

Choose 24 credit hours from the following:

<b>Course Number</b>	<b>Course Name</b>	<b>Credit Hours</b>
CM 214	Fundamentals of Surveying	2
CM 224	Fundamentals of Surveying Lab	1
GEOM 205	Surveying II	3
GEOM 215	Surveying II lab	1
GEOM 271	Land Survey Systems	3
GEOM 307	Automated Surveying and Mapping	3
GEOM 317	Automated Surveying and Mapping Lab	1
GEOM 320	Introduction to Photogrammetry	3
GEOM 310	Geographic Information Systems	3
GEOM 470	Boundary and Legal Principles	3
GEOM 471	Professionalism and Ethics in Geomatics	1
	<b>Total Credit Hours</b>	24

This minor in Geomatics aligns with specific program courses across multiple majors on campus. Allied majors include Construction Management, Civil Engineering, Landscape Architecture, Architectural Engineering, and Biological Engineering. All of these major can benefit from the breadth of this field.