

Geographical Information Systems – Certificate (719)

Purpose This program is designed to prepare students for entry-level positions in technologies using Geographic Information Systems (GIS) or to expand the knowledge and skills of individuals presently employed in these fields. The use of current ArcGIS® software is emphasized along with exposure to AutoCAD®. This program also provides an excellent foundation for continued study of GIS at the university and four year college level.

Occupational Objectives GIS technician

Admissions Requirements

Applicants must meet the general requirements for admission to the college. To be successful in this program, students must have demonstrated Math and English competency to be placed in Algebra 1 and English 111. Students not achieving this level will be required to take developmental courses or receive departmental approval.

Program Requirements To be successful in this program, students must possess basic computer literacy to include keyboard and mouse usage and file management.

Curriculum and Other Requirements

		Credits
DRF 201-202	Computer Aided Drafting and Design I-II	6
EGR 216	Computer Methods in Engineering and Technology	3
ENG 111	College Composition I	3
GEO 200	Introduction to Physical Geography	3
GIS 200-201	Geographical Information Systems I-II	8
GIS 205	GIS 3-Dimensional Analysis	4
GIS 210	Understanding Geographic Data	4
SDV 101	Orientation to Engineering and Engineering Technology	1
E ¹	Mathematics Electives	3

Total Minimum Credits for Certificate

35

¹ Use MTH 115, MTH 120, MTH 163, or MTH 166. See advisor for limitations.

Suggested Course Sequence

Fall

EGR 216
DRF 201
SDV 101
Mathematics Elective

Spring

DRF 202
GEO 200
ENG 111

Fall

GIS 200
GIS 210

Spring

GIS 201
GIS 205