

**CAREER STUDIES CERTIFICATE (221-719-93)**

**Geographical Information Systems: Career Exploration**

**Purpose:** This program is designed to prepare students for entry-level positions in technologies using Geographic Information Systems (GIS). 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.

**Occupational Objectives:** GIS operator

**Admission 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 above Algebra I and into 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**

<b>GIS AND RELATED COURSES</b>	<b>CREDITS</b>
DRF 201* ..... Computer Aided Drafting and Design I .....	3
EGR 216* ..... Computer Methods in Engineering and Engineering Technology .....	3
GEO 200 ..... Introduction to Physical Geography .....	3
GIS 200* ..... Geographical Information Systems I .....	3
<b>Total Minimum Credits for Certificate .....</b>	<b>12</b>

*\*This course has a prerequisite. Prerequisites for all courses are listed in the course description section at the back of the catalog.*

**HIGH SCHOOL SCHEDULE**

**Note:** Students should complete Algebra I-II and Geometry. Dual-enrolled high school students will not be able to officially enroll in and/or graduate from this program until the end of the last semester of their senior year.

<b>JUNIOR</b>	<b>SENIOR</b>
DRF 201	GEO 200
EGR 216	GIS 200

**GRADUATE SCHEDULE**

<b>SUMMER</b>	<b>FALL</b>
DRF 201	EGR 216 or ITE 115
	GIS 200

<b>SPRING</b>
GEO 200