



## Geographic Information Systems Certificate

**Program:** Engineering

**Program Code:**

GE

**Academic Area:**

Science, Technology, Engineering and Mathematics

**Type:**

Certificate of Recognition

**CIP Code:**

14.3801

### Program Statement

Geographic Informational Systems (GIS) provides a powerful tool in any academic discipline to analyze relationships among data. It is commonly used in business, environmental, geographical, political, law enforcement, and social science applications.

### Program Information

This certificate introduces students to GIS and provides them with the skills necessary to layer various types of data in an electronic format and to study and identify relationships among the data.

This program serves as a solid basis for continuing toward a degree. Courses apply to Bristol's degree program in Environmental Technology.

### Program Requirements

Course #	Title	Credits
EGR 103	Computer Skills for Engineers and Technicians	3
GIS 101	Introduction to Geographic Information Systems	3
GIS 102	Applications of Geographic Information Systems	3
SSC 101	Introduction to Geography	3

### Recommended Course Sequence - Semester 1

Course #	Title	Credits
SSC 101	Introduction to Geography	3
EGR 103	Computer Skills for Engineers and Technicians	3
GIS 101	Introduction to Geographic Information Systems	3



## Recommended Course Sequence - Semester 2

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
GIS 102	Applications of Geographic Information Systems	3
<b>Total credits:</b>		<b>12</b>