



## Geographic Information Systems Certificate

### 2018–2019

#### DESCRIPTION:

The Geographic Information Systems Certificate, a fully online STEM program, merges geography and computer technology to apply to the science of where. A geographic information system (GIS) is designed to capture, store, manipulate, analyze, manage, and present spatial or geographical data. This certificate program provides students with the skills to become professionals who use, edit, and make better decisions using GIS. With the growth of decision-making using spatial data and geographic locations, many governments and businesses are looking for individuals with these skills and knowledge. GIS is expected to continue as a growth occupation in Ohio and the nation in the years to come.

This online certificate serves the educational needs of professionals who wish to gain technical proficiency in GIS as well as those students starting in their academic careers who love computers and geography. The coursework in this certificate program can be used as part of the educational requirement for the Geographic Information Systems Professional (GISP) certification. For more information, see [csc.edu/gis](http://csc.edu/gis).

#### ADMISSION REQUIREMENTS:

This is a non-selective, open-admission program. Students must place into ENGL 1100.

#### ONGOING REQUIREMENTS:

The GIS certificate program has no specific ongoing requirements other than the minimum GPA required by the college.

#### OPPORTUNITIES FOR GRADUATES:

##### Career:

Upon completion of this certificate, students can work in diverse industries that use geographic information systems including government agencies, health care, construction, banking, land-use planning, transportation mapping and analysis and emergency response.

Additionally, students who have no additional educational credentials can use this certificate as a first step to earning the GIS A.A.S. degree and other higher education degrees.

##### Transfer:

All of the courses taken in the GIS Certificate will apply to the GIS A.A.S. degree.

**CERTIFICATE REQUIREMENTS (GEOGRAPHIC INFORMATION SYSTEMS CERTIFICATE):**

**FIRST SEMESTER**

Course	Term	Credits	Milestones/Progress Check
GIS 1100 Intro to GIS	AU/SP/SU	3	
GIS 1101 Acquiring GIS Data (1st 8 week term)	AU/SP/SU	2	
GIS 1102 Mapping for Everyone (2nd 8 week term)	AU/SP/SU	2	
<b>Semester Credits</b>		<b>7</b>	

**SECOND SEMESTER**

Course	Term	Credits	Milestones/Progress Check
GIS 1200 GIS Software I (1st 8 week term)	AU/SP	2	<ul style="list-style-type: none"> <li>After taking the GIS software courses (GIS 1200 and GIS 1201), a student can find employment as a GIS Intern in a variety of places to start gaining important experience in the industry.</li> </ul>
GIS 1201 GIS Software II (2nd 8 week term)	AU/SP	2	
GIS Technical Elective	AU/SP/SU	2	
<b>Semester Credits</b>		<b>6</b>	

**THIRD SEMESTER**

Course	Term	Credits	Milestones/Progress Check
GIS 2299 Advanced GIS Applications or GIS 2950 GIS Practicum and Seminar	SP or AU/SP/SU	3	
GIS Technical Elective	AU/SP/SU	2	
<b>Semester Credits</b>		<b>5</b>	
<b>Total</b>		<b>18</b>	

AU: Autumn Semester/SP: Spring Semester/SU: Summer Semester  
Requirements subject to change.