



GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Itasca Community College

Award: Certificate
Length: 16 semester credits
Format: Completely Online (Some classes also available on ground at ICC)

Itasca Community College is committed to meeting the needs of the local and regional community, and offers a fully online, 16 credit Geographic Information Systems (GIS) Certificate. ICC utilizes Environmental Systems Research Institute's ArcGIS software, a world leader in GIS development and applications. GIS is a vital tool that can be applied to areas as diverse as business, law enforcement, urban/regional planning, forestry, health and human services, and its application is well integrated at all levels of government. The curriculum reflects input from local, regional and national GIS professionals, and is tailored to prepare individuals with the technical skills and confidence to be productive within the professional GIS working environment. Job opportunities are excellent nationwide.

Students may enter the program in either fall or spring. The fall entry course sequence allows students to complete the certificate in one year (3 semesters). The spring entry can be completed in a little more than 1 year (5 semesters) and offers a reduced pace to program completion.

One Year (3 Semester) Sequence

<u>Fall Semester</u>			
Geog	1204	Principles of GIS	3
Geog	1201	Map Use, Analysis & Interp.	3
<u>Spring Semester</u>			
Geog	1206	Cartography	3
Geog	2104	Modeling Techniques in GIS	3
<u>Summer Session</u>			
Geog	2107	Remote Sensing	3
AND			
Geog	2113	GIS Applications (OR)	1
Geog	2201	GIS Internship	1

5 Semester Sequence

<u>Fall Semester</u>			
N/A			
<u>Spring Semester</u>			
Geog	1204	Principles of GIS	3
<u>Summer Session</u>			
Geog	2107	Remote Sensing	3
<u>Fall Semester</u>			
Geog	1201	Map Use, Analysis & Interp.	3
<u>Spring Semester</u>			
Geog	1206	Cartography	3
Geog	2104	Modeling Techniques in GIS	3
<u>Summer Session</u>			
Geog	2113	GIS Applications (OR)	1
Geog	2201	GIS Internship	1