



Geospatial Science C.C.

Curriculum Code: 1820

Effective: Fall 2021 – Summer 2026

Description

This certificate program will emphasize development of components for GIS and project design based on application areas. The certificate allows beginners to become familiar with basic principles and those with some application background to become computer proficient in GIS. Students completing this certificate may use the credits towards the Geospatial Science Technician Associate in Applied Science degree (0224).

Additional Information

Students must earn a minimum grade of 2.0 in all courses.

Contact Information

Contact the Geospatial Science Program, West Campus Building, Room M103, telephone number 517-267-6406 or Student Services West Campus, West Campus Building, Room M106, telephone number 517-267-5452.

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
GSCI 100	Intro to Geospatial Tech	3 / 3
GSCI 110	Beginning ArcGIS	3 / 5
GSCI 240	Cartography in GIS	3 / 4
GSCI 264	Web GIS	3 / 4

Program of Study Required Courses, Limited Choice – *Select one or two courses for a minimum of 4 credits*

Course Code	Course Title	Credit / Billing Hours
CITA 126	Microsoft Excel	3 / 3
CITP 110	Intro to Programming-Python	4 / 4
CITP 130	Intro to Mobile App Devel	3 / 3
CITP 190	Intro to Programming in JAVA	4 / 4
CITW 160	Web Development HTML & CSS	3 / 3
CITW 165	Web Development JavaScript	3 / 3
GSCI 120	Advanced ArcGIS	3 / 5
GSCI 210	Global Positioning Systems	3 / 4
GSCI 241	Remote Sens/AirPhoto Interpret	3 / 4
GSCI 260	Automating Workflows in GIS	3 / 4
GSCI 271	Parcel Mapping	3 / 5

Total Credit Hours

16-18 credits / 20-26 billing hours

Recommended Course Sequence

Semester I	Semester II
GSCI 100	GSCI 110
Limited Choice	GSCI 240
Limited Choice if needed	GSCI 264