



Geospatial Science C.A.

Career Community: Computer Technology and Networking

Curriculum Code: 0834

Effective: Fall 2023 – Summer 2028

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).

Milestone

Completion of GSCI 110 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in this course is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in the course.

Additional Information

Students beginning this pathway in Spring Semester may want to start with the Semester II courses as many Semester I courses are only offered in Fall Semester.

Contact Information

For further information, including career options, course substitutions and waivers, etc., 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
CITA 133	Microsoft Access Database	3 / 3
GSCI 100	Intro to Geospatial Tech	3 / 3
GSCI 110	Beginning ArcGIS	3 / 5
GSCI 120	Advanced ArcGIS	3 / 5
GSCI 210	Global Positioning Systems	3 / 4
GSCI 240	Cartography in GIS	3 / 4
GSCI 241	Remote Sens/AirPhoto Interpret	3 / 4
GSCI 264	Web GIS	3 / 4
GSCI 271	Parcel Mapping	3 / 5
GSCI 275	GIS Proj Mgmt & Implementation	3 / 4

Minimum Total Credit Hours

30 credits / 41 billing hours

Recommended Course Sequence

Semester I
CITA 133
GSCI 100
GSCI 210

Semester II
GSCI 110 – Milestone course
GSCI 240

Semester III
GSCI 120
GSCI 271

Semester IV
GSCI 241
GSCI 264
GSCI 275

LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree title changes, and make course changes as needed, without prior notice.