



## **Geography A.A.S.**

Career Community: Science and Mathematics

Curriculum Code: 1858

Effective: Fall 2025 – Summer 2030

### **Purpose of the Major**

This degree is designed for students seeking an associate degree for a career in a Geography field, or for students who plan to transfer to a four-year university to pursue a Bachelor of Science degree in Geography with a variety of concentrations. Students completing this degree have the option to complete courses that will satisfy the Michigan Transfer Agreement (MTA) between two-year and four-year institutions in Michigan and qualify for an LCC Transfer Studies Certificate of Achievement (1482). This degree includes a set of courses common to all Science and Mathematics majors and many transfer institutions. Students are encouraged to work with an academic advisor and program advisor to explore transfer opportunities.

Not all courses in this pathway transfer to all colleges. Students who wish to transfer to a four-year institution should select coursework indicated for that institution.

### **Milestone**

In addition to the required General Education courses in Math and English, completion of GEOG 120 and GEOG 200 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in these courses 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 these courses.

### **Additional Information**

A student must earn a minimum grade of 2.0 in all courses.

Students who would like to start an entry-level job with this degree, and who are not planning to transfer, should consider taking Geospatial Science (GSCI) courses.

### **Contact Information**

For further information, including career options, course substitutions and waivers, etc., contact the Science Department, Arts and Sciences Building, Room 3203, telephone number 517-483-1092, or the Academic Advising Department, Gannon Building – Star Zone, telephone number 517-483-1904.

**Major Required Courses** - *Some courses meet General Education requirements for Michigan Transfer Agreement (MTA). A minimum of 2.0 is required for General Education courses and to transfer to other colleges (some colleges, and some programs within colleges, require a higher grade in a course.)*

Course Code	Course Title	Credit / Billing Hours
ACAD 100	First-Year Experience	1 / 1
CHEM 151	General Chemistry Lecture I	4 / 4
CHEM 161	General Chemistry Lab I	1 / 3
COMM 120	Dynamics of Communication	3 / 3
COMM 130 or	Fundamentals Public Speaking	3 / 3
COMM 200 or	Small Group Communication	3 / 3
COMM 240 or	Interpersonal Communication	3 / 3
COMM 260 or	Nonverbal Communication	3 / 3
ENGL 122 or	Composition II	4 / 4
ENGL 132	Honors Composition II	4 / 4
ENGL 121 or	Composition I	4 / 4
ENGL 131	Honors Composition I	4 / 4
GEOG 120	Introduction to Geography	3 / 3
GEOG 200	World Regional Geography	4 / 4
GEOG 206	Physical Geography	4 / 4
GEOL 230	Environmental Geology	4 / 6
GSCI 100	Intro to Geospatial Tech	3 / 3
MATH 120 or	College Algebra	4 / 4
MATH 126 or	Precalculus	5 / 5
MATH 151	Calculus I	4 / 4

Notes:

ACAD 100 may be waived when students meet one of the following College-approved waiver criteria:

- Completion of 12 college-level credits with minimum grades of 2.0 shown on the LCC transcript (including transfer, if applicable), or
- Employment in the field of, or a field related to, the degree being sought, or
- For Health Careers students, successful completion of CHSE 100.

Students wishing to waive ACAD 100 should contact their advisor.

**Major Required Courses, Limited Choice – Select 23 credits**

For Transfer Students: *Select two courses from different disciplines from the [General Education Transfer Degrees \(MTA\) Humanities and Fine Arts category](#), and one EDUC or POLS course listed below as part of the 23 credits.*

**For Career Students:** *Select any courses from those listed below other than the EDUC courses.*

Course Code	Course Title	Credit / Billing Hours
EDUC 204	Educational Psychology	3 / 3
EDUC 220	Foundations of Education	3 / 3
GEOG 202	Geography of North America	3 / 3
GEOG 220	Weather, Forecasting & Climate	4 / 4

Course Code	Course Title	Credit / Billing Hours
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
POLS 120	American Political System	4 / 4
POLS 121	State and Local Government	4 / 4
POLS 240	Introduction to Public Policy	3 / 3
POLS 260	Comparative Political Systems	3 / 3
STAT 170	Introduction to Statistics	4 / 4

Notes:

GSCI 240 is not highly transferable and should only be taken if transferring to Michigan State University (Geography B.A.).

GSCI 110/120/210 are not highly transferable and should only be taken if pursuing an entry-level job with this degree (Career).

Students considering adding Secondary Education Certification in Math or Science in order to teach in Michigan Public Schools are strongly encouraged to select EDUC courses as listed to meet the Michigan Transfer Agreement (MTA) Social Science requirement.

For future transfer (Secondary Education Certification) to:

- Central Michigan University, Ferris State University, or Michigan State University choose EDUC 204.
- Eastern Michigan University, Grand Valley State University, University of Michigan Flint, or Western Michigan University choose EDUC 220.

### General Education – Applied Degrees

- English Composition or Applied English  
Major Required Courses meet this requirement.
- English Composition (second course)/Communication or Applied Communication  
Major Required Courses meet this requirement.
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences  
Major Required Courses meet this requirement.
- Mathematics or Applied Mathematics  
Major Required Courses meet this requirement.
- Natural Sciences Lab or Applied Sciences and Technology Lab  
Major Required Courses meet this requirement.

## Additional Credits

After completing the course and credit requirements as noted on this pathway, students who fall short of the 60-credit minimum required for an Associate Degree may select any course(s) needed to reach 60 credits, except those courses noted in number 7 in the [Institutional Requirements for Associate Degrees](#). Students are encouraged to use Degree Works and meet with an Advisor to ensure all requirements are met and for course recommendations.

## Minimum Total Credit Hours

60 credits / 66 billing hours

## Recommended Course Sequence

Semester I
ACAD 100
ENGL 121 or ENGL 131
GEOG 120 – Milestone course
MATH 120 or MATH 126 or MATH 151

Semester II
COMM 120 or COMM 130 or COMM 200 or COMM 240 or COMM 260 or ENGL 122 or ENGL 132
GEOL 230
Limited Choice
Limited Choice

Semester III
CHEM 151
CHEM 161
GEOG 200 – Milestone course
GSCI 100
Limited Choice

Semester IV
GEOG 206
Limited Choice
Limited Choice
Additional Credits as needed for the total credits

*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 titles, and make course changes as needed, without prior notice. The College also reserves the right to discontinue programs when warranted.*