

APPLIED GEOGRAPHY AAS

Total Credits: 60

Catalog Edition: 2025-2026

Program Description

(R): 344

This curriculum is designed primarily for the student who desires to pursue a profession in geography, cartography, geographic education, or geographic information systems (GIS). The curriculum provides the student with an opportunity to test his or her interests prior to making a commitment for advanced study. Completion of all requirements will lead to the AAS.

Course work in this curriculum (involving fieldwork, use of computer technology, mapping projects, and research) will explore four related disciplines. Geography, the first discipline, is the study of places; it enables the graduate to function as a paraprofessional in a broad range of studies. The geography graduate assists in performing research and compiling data in activities connected with cultural and physical components of the environment, as well as city planning, marketing, transportation, and domestic and foreign area studies. Cartography, the second discipline, is the art and science of map construction; its skills enable the graduate to use, compile, and construct maps and related cartographic products. Geographic education, the third discipline, provides prospective teachers and currently employed teachers seeking to meet certification requirements in Montgomery County and Maryland with exposure to geographic concepts and methodology. GIS, the fourth discipline, combines the use of computer technology with the field of geography to help analyze and problem-solve spatial information.

Program Outcomes

Upon completion of this program, a student will be able to:

- Examine geography as a spatial concept and describe what it entails and how it is part of daily life.
- Identify where places are, including continents, countries, states, regions, cities, districts, islands, water bodies, physical features, and other defined locations.

- Interpret maps and atlases effectively and successfully use a variety of coordinate systems.
- Use maps and atlases as tools.
- Demonstrate geographic phenomena.
- Analyze, discuss, and compose key principles of geography through original research as well as formal and informal writing assignments.

Program Advisors

Rockville

- Prof. Tanya Allison,
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- Prof. Chantal
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For more information, please visit <https://www.montgomerycollege.edu/academics/programs/applied-geography/applied-geography-aas-degree.html>

2025-2026

Program Advising Guide

An Academic Reference Tool for Students

APPLIED GEOGRAPHY AAS

Suggested Course Sequence

A suggested course sequence for full-time students follows. All students should review this advising guide and consult an advisor.

First Semester

ENGL 101 - Introduction to College Writing *3 semester hours* *

Mathematics Foundation *3 semester hours (MATF)*

GEOG 101 - Introduction to Geography *3 semester hours (BSSD)*

GEOG 240 - Introduction to Cartography *3 semester hours*

General Education Elective *4 semester hours (GEEL)*

Third Semester

GEOG 105 - Cultural Geography *3 semester hours*

GEOG 124 - Physical Geography *4 semester hours*

GEOG 250 - Interpretation of Geographic Imagery: Use and Analysis *3 semester hours*

Arts or Humanities Distribution *3 semester hours (ARTD or HUMD)*

Program Elective *3 semester hours ‡*

Second Semester

English Foundation *3 semester hours (ENGF)*

GEOG 113 - Economic Geography *3 semester hours (BSSD)*

GEOG 130 - Global Geography *3 semester hours*

Natural Sciences Distribution with Lab *4 semester hours (NSLD)*

Elective *3 semester hours*

Fourth Semester

GEOG 235 - Preserving Our Natural Heritage: The Geography of Conservation and Natural Resources *3 semester hours*

OR

GEOG 222 - Geography of the United States *3 semester hours*

Behavioral and Social Sciences Distribution *3 semester hours*

Program Elective *3 semester hours ‡*

Program Elective *3 semester hours ‡*

Total Credit Hours: 60

* ENGL 101/ENGL 101A, if needed for ENGL 102/ENGL 103, or elective.

‡ Select from the following program electives: GEOG 211, GEOG 251, GEOG 255, GEOG 260 or GEOG 270.

Transfer Opportunities

Montgomery College has partnerships with multiple four-year institutions and the tools to help you transfer. To learn more, please visit <https://www.montgomerycollege.edu/transfer> or <http://artsys.usmd.edu>.

Get Involved at MC!

Employers and Transfer Institutions are looking for experience outside the classroom.

MC Student Clubs and Organizations: <https://www.montgomerycollege.edu/life-at-mc/student-life/>

Related Careers

Some require a Bachelor's degree.

Map Making, Charting, Geographic Information Systems, Remote Sensing, Interpretation and Analysis, Statistical and Spatial Analysis, Research and Analysis, Field Work, Resource Management and Conservation, Land and Water Resource Planning, Space Exploration, Market Site Research, Teaching, Computer Graphics and Multi-media Graphics, City Planning and Urban Land Use, Consulting.

Career Services

Montgomery College offers a range of services to students and alumni to support the career planning process. To learn more, please visit <https://www.montgomerycollege.edu/career>

Career Coach

A valuable online search tool that will give you the opportunity to explore hundreds of potential careers or job possibilities in Maryland and the Washington D.C. metropolitan area. Get started today on your road to a new future and give it a try. For more information, please visit <https://montgomerycollege.emsicc.com>

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