#### APPLIED GEOGRAPHY AAS Total Credits: 60 Catalog Edition: 2024-2025

## **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, 240-567-7614, <u>Tanya.Allison@montgomerycollege.edu</u>
- Prof. Chantal Vilmar, 240-567-1718, <u>Chantal.Vilmar@montgomerycollege.edu</u>

For more information, please visit <u>https://</u> www.montgomerycollege.edu/academics/programs/appliedgeography/applied-geography-aas-degree.html

To view the Advising Worksheet, please visit <u>https://</u> www.montgomerycollege.edu/\_documents/counseling-andadvising/advising-worksheets/current-catalog/344.pdf

# 2024-2025 **Program Advising Guide** An Academic Reference Tool for Students

APPLIED GEOGRAPHY ASSOCIATE OF APPLIED SCIENCE: 344

## **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	Second Semester
ENGL 101 - Introduction to College Writing 3 semester	
hours *	English Foundation3 semester hours (ENGF)
Mathematics Foundation3 semester hours (MATF)	GEOG 113 - Economic Geography 3 semester hours (BSSD)
GEOG 101 - Introduction to Geography <i>3 semester hours</i> (BSSD)	GEOG 130 - Global Geography 3 semester hours
GEOG 240 - Introduction to Cartography 3 semester hours	Natural Sciences Distribution with Lab4 semester hours (NSLD)
General Education Elective4 semester hours (GEEL)	
Third Semester	Elective 3 semester hours
GEOG 105 - Cultural Geography 3 semester hours	Fourth Semester
GEOG 124 - Physical Geography 4 semester hours	GEOG 235 - Preserving Our Natural Heritage: The Geography of Conservation and Natural Resources 3
GEOG 250 - Interpretation of Geographic Imagery: Use and Analysis <i>3 semester hours</i>	semester hours
	OR
Arts or Humanities Distribution3 semester hours (ARTD or HUMD)	GEOG 222 - Geography of the United States 3 semester hours
Program Elective 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 <u>https://www.montgomerycollege.edu/transfer</u> or <u>http://artsys.usmd.edu</u>.

## Get Involved at MC!

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

MC Student Clubs and Organizations: <u>https://</u> 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 <u>https://www.montgomerycollege.edu/career</u>

#### **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 <u>https://montgomerycollege.emsicc.com</u>

#### Notes: