

APPLIED GEOGRAPHY
Associates in Applied Science (AAS): 344
Total Credits: 62
Catalog Edition: 2017-2018

Program Description

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 Advising

Rockville

- **Prof. Allison**
240-567-7614
Tanya.allison@montgomerycollege.edu

Germantown

- **Prof. Allison**
240-567-7614
Tanya.allison@montgomerycollege.edu

Takoma Park/Silver Spring

- **Prof. Allison**
240-567-7614
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For more information please visit:

<http://www.montgomerycollege.edu/appliedgeography>

2017-2018
Program Advising Guide

An Academic Reference Tool for Students

APPLIED GEOGRAPHY
ASSOCIATES IN APPLIED SCIENCE (AAS): 344

**APPLIED GEOGRAPHY
ASSOCIATES IN APPLIED SCIENCE (AAS): 344**

Suggested Course Sequence

First Semester

- [ENGL 101 - Introduction to College Writing](#) 3 semester hours
- [GEOG 101 - Introduction to Geography](#) 3 semester hours (BSSD)
- [GEOG 240 - Introduction to Cartography](#) 3 semester hours
- Mathematics foundation 3 semester hours (MATF)
- General education elective 4 semester hours (GEEL)

Second Semester

- [GEOG 113 - Economic Geography](#) 3 semester hours (BSSD)
- [GEOG 130 - Global Geography](#) 3 semester hours
- English foundation 3 semester hours (ENGF)
- Natural sciences distribution with lab 4 semester hours (NSLD)
- Elective 3 semester hours

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 ‡

Fourth Semester

- Behavioral and social sciences distribution 3 semester hours (BSSD)
 - Program elective 3 semester hours
 - Program elective 3 semester hours
 - [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 *

Total Credit Hours: 60

Advising Notes

- EACH NEW STUDENT **MUST** SCHEDULE AN ADVISING APPOINTMENT WITH PROFESSOR TANYA ALLISON, PROGRAM COORDINATOR AND ADVISOR.

Please email Tanya.allison@montgomerycollege.edu to schedule an appointment or call 240-567-7614.

- Link to program

http://catalog.montgomerycollege.edu/preview_program.php?catoid=8&poid=1632&returnto=1322

Applied Geography

A.A.S. Degree (R)

First Semester

ENGL 101	Introduction to College Writing	3
GEOG 101	Introduction to Geography	3
GEOG 240	Introduction to Cartography	3
	Mathematics foundation	3
	General education elective	4

Second Semester

GEOG 113	Economic Geography	3
GEOG 130	Global Geography	3
	English foundation	3
	Natural Sciences distribution with lab	4
	Elective	3

Third Semester

GEOG 105	Cultural Geography	3
GEOG 124	Physical Geography	4
GEOG 250	Interpretation of Geographic Imagery	3
	Arts or humanities distribution	3
	Geography elective	3

Fourth Semester

GEOG 235	Preserving Our Natural Heritage	3
	OR	
GEOG 222	Geography of the United States	3
	Behavioral and social sciences distribution	3
	Geography elective	3
	Geography elective	3

Cartography and Geographic Information Systems certificate

GEOG 101	Introduction to Geography	3
GEOG 240	Introduction to Cartography	3
GEOG 250	Interpretation of Geographic Imagery	3
GEOG 251	Principles of Map Design	3
GEOG 255	Introduction to Computer Mapping	3
GEOG 260	Intro to Geographic Information Systems	3
GEOG 270	Advanced Geographic Information Systems	3

Geographic Education certificate

GEOG 101	Introduction to Geography	3
GEOG 105	Cultural Geography	3
GEOG 124	Physical Geography	4
GEOG 130	Global Geography	3
GEOG 235	Preserving our Natural Heritage	3
	Geography elective	3

NAME: _____

I.D. #: _____

W: _____

H: _____

C: _____

Degree: _____

Major: _____

University: _____

Geography Electives

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- GEOG 211 Political Geography
- GEOG 251 Principles of Map Design
- GEOG 255 Introduction to Computer Mapping
- GEOG 260 Introduction to GIS
- GEOG 270 Advanced GIS

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- GEOG 113 Economic Geography
- GEOG 211 Political Geography
- GEOG 222 Geography of the United States
- GEOG 265 Research Topics in Applied Geography

Graduation Date

Fall:

Spring:

Summer:

*ENGL 101 if needed for ENGL 102/103 or general elective

Transfer Opportunities

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

Get Involved at MC!

Employers and Transfer Institutions are looking for experience outside the classroom. Internships, scholarships, seasonal work, and, on occasion, volunteer opportunities are available.

MC Student Clubs and Organizations

Gamma Theta Upsilon and the Geography Club

Related Careers

Bachelor's degree in Geography
Cartographer
Geographer
GIS Specialist
Environmental-related profession
Census data
Geographic Analyst

Career Services

<http://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. Visit the website listed below:

Notes:

Please schedule an appointment with Professor Tanya Allison, Program Coordinator and Advisor, to discuss program requirements and plan your class schedule!

240-567-7614

Tanya.allison@montgomerycollege.edu

GEOG265 Research Topics is offered to second year students and consists of various projects and assignments. Permission by Program Coordinator required.

GEOG113 only offered every other Fall semester.

GEOG235 and GEOG222 are accelerated courses and only offered every 2 years.