

ENVIRONMENTAL SCIENCE AND POLICY

ASSOCIATE OF SCIENCE: 412E

Total Credits: 60

Catalog Edition: 2015-16

Program Description

The environmental science and policy track is a transfer program that provides the first two years of courses necessary for a four-year baccalaureate degree in environmental science or policy.

Working closely with a counselor or adviser, students will be able to tailor their program of study to fit the needs of most, if not all, colleges and universities offering a degree in environmental science or environmental policy.

Program Outcomes

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

- Make observations, collect data, and analyze data.
- Apply basic biological and chemical principles to explain experimental results.
- Describe connections between the environment and human societies, including how humans affect the environment and how the environment in turn affects human welfare.

Program Advising

Rockville

- **Prof. Victoria (Tori) Schneider, 240-567-5479**
victoria.schneider@montgomerycollege.edu

Germantown

- **Dr. James Smith, 240-567-6964**
james.smith@montgomerycollege.edu

Takoma Park/Silver Spring

- **Dr. Alessandra Sagasti, 240-567-6964**
alessandra.sagasti@montgomerycollege.edu

For more information please visit:

www.montgomerycollege.edu/advising

or

[GT STEP Advising](http://www.montgomerycollege.edu/advising)

(<http://cms.montgomerycollege.edu/EDU/Department4.aspx?id=67267>)

2015-2016

Program Advising Guide

An Academic Reference Tool for Students

412E

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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 *

OR

General elective or program elective

3 semester hours *

CHEM 131 - Principles of Chemistry I

4 semester hours (NSLD)

MATH 150 - Elementary Applied Calculus I

4 semester hours (MATF)

OR

MATH 165 - Precalculus

4 semester hours (MATF)

OR

MATH 181 - Calculus I

4 semester hours (MATF) †

Arts distribution

3 semester hours (ARTD)

Health foundation

1 semester hour (HLTF)

Second Semester

BIOL 150 - Principles of Biology I

4 semester hours (NSLD)

OR

BIOL 151 - Principles of Biology II

4 semester hours (NSLD)

Behavioral and social sciences distribution

3 semester hours (BSSD) ‡

English foundation

3 semester hours (ENGF)

Humanities distribution

3 semester hours (HUMD)

Program elective

3-4 semester hours

Third Semester

Behavioral and social sciences distribution

3 semester hours (BSSD) ‡

Program elective

3-4 semester hours

Program elective

3-4 semester hours

Program elective

3-4 semester hours

Fourth Semester

Speech Foundation

3 semester hours (SPCF)

Program elective

3-4 semester hours

Program elective

3-4 semester hours

Program elective

3-4 semester hours

Total Credit Hours: 60

Advising Notes

* Take an additional program elective or general elective if ENGL 101/ENGL 101A, is not required for ENGL 102/ENGL 103 English foundation.

† Mathematics: choose based on requirement of transfer institution(s).

‡ The two BSSD courses must come from two different disciplines. Select from any BSSD on the College's general education list and/or BSSD courses noted in the following program electives: ECON, GEOG and POLI, depending on transfer institution. Possible courses: BSAD 210 or MATH 117, BIOL 105, BIOL 106, BIOL 151, BIOL 210, BIOL 217, BIOL 220 or BIOL 222, BIOL 230, CHEM 132, CHEM 150, CHEM 203, CHEM 204, ECON 201, ECON 202, GEOG 101, GEOG 105, GEOG 124, GEOL 101, MATH 151, MATH 181, MATH 182, PHYS 161, PHYS 262 or PHYS 203, PHYS 204, POLI 101, POLI 203, POLI 211, POLI 242.

ENVIRONMENTAL SCIENCE & POLICY A.S.: 412E

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Name: Date: ID #:

| GENERAL EDUCATION: FOUNDATION COURSES | Course | Hours | Grade |
|---|--------|-------|-------|
| English Foundation (EN 102/ENGL 102 or EN 109/ENGL 103) | | 3 | |
| Math Foundation † | | 4 | |
| Speech Foundation (SP 108/COMM 108 or SP 112/COMM 112) | | 3 | |
| Health Foundation HLHF (Choose HLTH 100 - HLTH 230) | | | |

| GENERAL EDUCATION: DISTRIBUTION COURSES | Course | Hours | Grade |
|--|-----------------|-------|-------|
| Arts Distribution (ARTD) | | | |
| Humanities Distribution (HUMD) | | | |
| Behavioral & Social Sciences Distribution (BSSD) ‡ | | 3 | |
| Behavioral & Social Sciences Distribution (BSSD) ‡ | | 3 | |
| Natural Sciences Distribution with Lab (NSLD) | CH 101/CHEM 131 | 4 | |
| Natural Sciences Distribution with Lab (NSLD) | | 4 | |

| PROGRAM REQUIREMENTS | Course | Hours | Grade |
|--|--------|-------|-------|
| EN 101/ENGL 101 (if needed for ENGL 102/103 or general/program elective *) | | | |
| PROGRAM ELECTIVE ** | | | |
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| PROGRAM ELECTIVE ** | | | |
| PROGRAM ELECTIVE ** (if needed to complete 60 credits) | | | |
| | | | |

Has student completed the Global Perspectives requirement? Yes No

Overall GPA of 2.0 is required to graduate

Total Credits:

Global Perspectives Course:

* Take an additional program elective or general elective if ENGL 101 is not required for ENGL 102/103 English foundation. Last Modified: August 2015

† Mathematics: choose based on requirement of transfer institution(s). Advising Worksheet Contact: [Anthony Solano](#)

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/EDU/Plain.aspx?id=62341> or artsys.usmd.edu

Get Involved at MC!

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

MC Student Clubs and Organizations

<http://cms.montgomerycollege.edu/edu/plain.aspx?id=2439>

Related Careers

Most require a Bachelor's degree or beyond.
Soil and Water Conservationist, *Compliance Manager*, *Environmental Science Teacher*, *Forestry and Conservation Science Teacher*, *Forester*, *Water Resource Specialist*, *Environmental Economist*, *Forest and Conservation Technician*, *Forest Fire Inspector and Prevention Specialist*, *Fish and Game Warden*, *Range Manager*, *Regulatory Affairs Specialist*, *Park Naturalist*, *Environmental Compliance Inspector*, *Sustainability Specialist & Industrial Ecologist*

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:

<https://montgomerycollege.emsicareercoach.com>

Notes: