ENVIRONMENTAL SCIENCE AND POLICY AREA OF CONCENTRATION, SCIENCE AS: 412E

Total Credits: 60
Catalog Edition: 2021-2022

Program Description

The environmental science and policy area of concentration 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 advisor, 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 Advisors

Germantown

- Prof. Kiersten Newtoff, 240-567-1852, Kiersten.Newtoff@montgomerycollege.edu

Rockville

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

Takoma Park/Silver Spring

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

For more information, please visit https://www.montgomerycollege.edu/academics/programs/science/environmental-science-and-policy-as-degree.html or GT STEP Advising https://www.montgomerycollege.edu/gtstep

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To view the Advising Worksheet, please visit https://www.montgomerycollege.edu/_documents/counseling-and-advising/advising-worksheets/current-catalog/412e.pdf

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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

Program Elective or Elective *3 semester hours*

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)*

CHEM 131 - Principles of Chemistry I *4 semester hours* (NSLD)

Third Semester

BIOL 151 - Principles of Biology II *4 semester hours*

Program Elective *4 semester hours* † †

Program Elective *4 semester hours* † †

Behavioral and Social Sciences Distribution*3 semester hours (BSSD)* **

Second Semester

English Foundation*3 semester hours (ENGF)*

BIOL 150 - Principles of Biology I *4 semester hours* (NSLD)

Program Elective *3 semester hours* † †

Behavioral and Social Sciences *3 semester (BSSD)* **

Humanitites Distribution *3 semester hours (HUMD)*

Fourth Semester

COMM 108 - Foundations of Human Communication *3 semester hours* (GEEL)

OR

COMM 112 - Business and Professional Speech Communication *3 semester hours* (GEEL)

Program Elective *3 semester hours* † †Program Elective *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 a program elective or elective.

** 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.

† Choose a MATH course based on requirement of transfer institution(s).

† †Program Elective courses include: BSAD 210 or MATH 117, BIOL 105, BIOL 106, BIOL 210, BIOL 217, BIOL 222, BIOL 230, CHEM 132, CHEM 150, CHEM 203, CHEM 204, ECON 201, ECON 202, GEOG 101, GEOG 105, GEOG 124, GEOG 235, GEOG 240, GEOG 250, GEOG 260, GEOG 270, GEOL 101, MATH 181, MATH 182, PHYS 161, PHYS 262 or PHYS 203, PHYS 204, POLI 101, POLI 203, POLI 211, POLI 242, POLI 270.

Please note: A minimum of 12 course credits numbered at the 200-level must be completed to receive a degree.

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

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

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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