

BIOLOGICAL SCIENCE AREA OF CONCENTRATION, SCIENCE AS

Total Credits: 60

Catalog Edition: 2025-2026

Program Description

The biological science area of concentration is one of the life sciences. 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 biology or the biological sciences. Also, students planning to transfer to a four-year institution prior to attending medical, dental, veterinary, physical therapy, podiatry, or chiropractic school will find all or most of the prerequisite courses needed for admission to these professional schools. Finally, students planning to transfer to pharmacy, medical technology, or optometry school programs that accept students after two years of undergraduate education will find all the courses needed for admission into these programs.

Students are strongly advised to work closely with a biology or chemistry faculty member or an academic transfer counselor in order to select courses that will prevent or minimize the loss of credits upon transfer.

Program Outcomes

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

- Identify, describe, and explain basic biological concepts.
- Use an interdisciplinary approach to explain and solve life science concepts (from knowledge learned in biological, chemical, and physical sciences and mathematics).
- Utilize the scientific method to analyze problems in the life sciences.

Program Advisors

Questions can also be sent to:

BiologyAdvising@montgomerycollege.edu .

[Schedule Appointment](#) with a Program Advisor:
<https://outlook.office365.com/owa/calendar/>

BiologyDepartmentRockville@montgomerycollege0.onmicrosoft.com/bookings/

Germantown

- Dr. Margaret Birney, 240-567-7788,
Margaret.Birney@montgomerycollege.edu
- Dr. Joseph Koussa, 240-567-6913,
Joseph.Koussa@montgomerycollege.edu
- Prof. Kiersten Newtoff, 240-567-1852,
Kiersten.Newtoff@montgomerycollege.edu

Rockville

- Dr. Rashid Alam, 240-567-5021,
rashidul.alam@montgomerycollege.edu
- Dr. Sara Kalifa, 240-567-5096,
sara.kalifa@montgomerycollege.edu
- Prof. Tori Schneider, 240-567-5479,
victoria.schneider@montgomerycollege.edu

Takoma Park/Silver Spring

- Prof. Sean Cooney, 240-567-1425,
Sean.Cooney@montgomerycollege.edu
- Dr. Bridget De la Carrera, 240-567-3937,
Bridget.DelaCarrera@montgomerycollege.edu
- Prof. Alex Micich, 240-567-1347,
Alex.Micich@montgomerycollege.edu
- Dr. Kate Monzo, 240-567-6117,
Kathryn.Monzo@montgomerycollege.edu

For more information, please visit <https://www.montgomerycollege.edu/academics/programs/science/biological-science-as-degree.htm> | or GT STEP Advising <https://www.montgomerycollege.edu/gtstep>

2025-2026

Program Advising Guide

An Academic Reference Tool for Students

412F

BIOLOGICAL SCIENCE AREA OF CONCENTRATION, SCIENCE AS: 412F
ASSOCIATE OF SCIENCE: 412F

BIOLOGICAL SCIENCE AREA OF CONCENTRATION, SCIENCE AS

AA and AS programs require one global and cultural perspectives (GCP) General Education course.

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.

Natural Sciences Manager, Microbiologist, Biologist, Zoologist and Wildlife Biologist, Biological Technician, Pharmacist, Biostatistician, Bioinformatics Scientist, Occupational Therapist, Molecular and Cellular Biologist, Epidemiologist, Soil and Water Conservationist, Orthodontist Food Science Technician, Athletic Trainer, Pediatrician, General, Physician Assistant & Medical and Clinical Laboratory Technologist.

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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