



Biology Pathway

Catalog Year 2021-2022

Associate in Science, Math and Science – Biology Concentration (ASMSAS)

Washtenaw Community College (WCC) has collaborated with several colleges and universities to provide a transfer pathway from WCC's Math and Science program to a bachelor's degree in Biology at participating universities. The full Biology MiTransfer Pathway agreement can be found on the [Michigan Transfer Network website](#).

Participating Universities

Andrews Univ., Central Michigan Univ., Concordia Univ. Ann Arbor, Davenport Univ., Eastern Michigan Univ., Ferris State Univ., Finlandia Univ., Grand Valley State Univ., Lawrence Tech, Michigan Tech, Northern Michigan Univ., Oakland Univ., Rochester Univ., Saginaw Valley State Univ., Spring Arbor, Univ. of Detroit Mercy, UM-Dearborn

Earning an Associate Degree

WCC students must complete all of the following course and degree requirements to earn an Associate in Science. **Regular meetings with an advisor are strongly recommended to stay on track for graduation.** Please contact our advising center at 734-677-5102 if you need assistance or visit: wccnet.edu/advising.

Degree Requirements

To complete the Associate in Science Degree and the Michigan Transfer Agreement (MTA) General Education Requirements, these credits should be met according to the following outline:

- **English Composition:** [ENG 111: Composition I](#) (4 credits).
- **Second Course in English Composition or One course in Communication:** [ENG 226: English Comp. II](#) or any approved Communication (COM) course (3 credits).
- **Mathematics:** [MTH 176: College Algebra](#) or [MTH 191: Calculus I](#) (4 credits); Check with your transfer destination for the preferred course.
- **Natural Sciences:** Two courses, in two different disciplines, from the MTA approved list. Biology (BIO) and Chemistry (CEM) are recommended (see courses below).
- **Social Sciences:** Two courses, in two different disciplines, from the MTA approved list
- **Humanities and Fine Arts:** Two courses, in two different disciplines, from the MTA approved list

The MTA approved list is located in the WCC Catalog or visit: wccnet.edu/mta.

Major Courses (24 Credits)

The following courses are common transferable Biology courses. Click on the courses to see how they transfer.

- [BIO 162: General Biology II Cells & Molecules](#) (4 credits) (MTA)
- [BIO 161: General Biology I Ecology and Evolution](#) (4 credits) (MTA)
- [CEM 111 General Chemistry I](#) (4 credits) (MTA)
- [CEM 122: General Chemistry II](#) (4 credits) (MTA)
- [CEM 211: Organic Chemistry I](#) (4 credits) (MTA)
- [CEM 222: Organic Chemistry II](#) (4 credits) (MTA)

Remaining Associate Degree Requirements

- [MTH 160: Basic Statistics](#) or [MTH 192: Calculus II](#) (4 credits); Check with your transfer destination for the preferred course
- Select one course from the following: [BIO 111](#), [BIO 208](#), [BIO 215](#), [BIO 227](#), [BIO 228](#) or [BIO 237](#)
- **Additional Electives as needed to earn the 60 credits required for an Associate in Science Degree**