

Biology Pathway

Catalog Year 2021-2022

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

Associate in Science, Math and Science

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](#).

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 at WCC have been identified as common major courses that are transferable to biology programs of [participating institutions](#). 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.**

Transfer Your Courses

Visit the [Michigan Transfer Network website](#) to see how WCC courses transfer to universities in Michigan.