

BIOLOGY - TRANSFER - DEGREE

Associate of Science Transfer (AST) in Biology | mhcc.edu/Science
(<http://mhcc.edu/Science/>)

Faculty Advisers

Dr. Lisa Bartee: 503-491-7382 | Room AC2594 | Lisa.Bartee@mhcc.edu | Students with last name A-M
Catherine Creech: 503-491-7543 | AC2595 | Catherine.Creech@mhcc.edu | Students with last name N-Z

Biology is the study of living things, as well as how life is possible and changes through time. Our courses allow students to be informed members of their community and to prepare for diverse jobs. This degree aligns with the Oregon Biology Major Transfer Map (<https://www.oregon.gov/highered/policy-collaboration/Documents/Transfer-Credit/2998/Biology-MTM-MOU-2020.pdf>) (MTM) and Core Transfer Map (CTM).

Curricular Outcomes

At the completion of this curriculum, students should be able to:

- Demonstrate mastery of discipline-specific biological concepts
- Demonstrate the ability to ask and answer questions using the scientific method by collecting and analyzing data during scientific investigations
- Select, evaluate and utilize discipline-specific information and literature to explore topics
- Demonstrate an understanding of the relationship between science and society

For the most part, courses that fulfill general education requirements can be taken in any term. Students should work with the faculty adviser(s) to create a custom academic plan based on course placement levels, career goals, and full time/part time status.

Admitted students may also log on to Navigate (<https://mhcc.campus.eab.com/home/>) to start the process of building an academic plan based on this major and can notify an adviser for review.

First Quarter

Fall		Credits
BI211	Principles of Biology I	5
CH221	General Chemistry I	5
WR121Z	Composition I ★	4
Credits		14

Second Quarter

Winter		Credits
BI212	Principles of Biology II	5
CH222	General Chemistry II	5
WR122Z or WR227Z	Composition II ★ or Technical Writing ★	4
Mathematics requirement (https://catalog.mhcc.edu/degree-certificate-requirements/ast-biology/#math)		4-5
Credits		18-19

Third Quarter

Spring		Credits
BI213	Principles of Biology III	5
CH223	General Chemistry III	5
Mathematics requirement (https://catalog.mhcc.edu/degree-certificate-requirements/ast-biology/#math)		4-5
Credits		14-15

Fourth Quarter

Fall		Credits
CH241	Organic Chemistry I	5
PH201 or PH211	General Physics I or General Physics with Calculus I	5
Social Science requirement (https://catalog.mhcc.edu/degree-certificate-requirements/ast-biology/#social-science)		3-4
Credits		13-14

Fifth Quarter

Winter		Credits
CH242	Organic Chemistry II	5
PH202 or PH212	General Physics II or General Physics with Calculus II	5
Arts & Letters requirement (https://catalog.mhcc.edu/degree-certificate-requirements/ast-biology/#arts-letters)		3-4
Social Science requirement (https://catalog.mhcc.edu/degree-certificate-requirements/ast-biology/#social-science)		3-4
Credits		16-18

Sixth Quarter

Spring		Credits
CH243	Organic Chemistry III	5
PH203 or PH213	General Physics III or General Physics with Calculus III	5
Arts & Letters requirement (https://catalog.mhcc.edu/degree-certificate-requirements/ast-biology/#arts-letters)		3-4
Elective, if needed to reach 90 credits		0-3
Credits		16-17
Total Credits		91-97

Transfer Schools

- Eastern Oregon University (<http://www.eou.edu/biology/>)
- Oregon State University (<http://biology.science.oregonstate.edu/>)
- Pacific University - PharmD Bridge Program (<https://pacificu.edu/pharmacy/admissions/bridge-programs/>)
- Portland State University (<http://www.pdx.edu/biology/>)
- Southern Oregon University (<http://www.sou.edu/biology/>)
- University of Oregon (<http://biology.uoregon.edu/>)

Exploring **Biology** as your major? Learn more with MHCC's Career Coach (<https://mhcc.lightcastcc.com/programs/biology-degree/209250/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>), which covers: skills needed for each career, wages, employment rates, and live job postings in the Greater Multnomah County Area.

Careers related to biology:

- Biologists (<https://mhcc.lightcastcc.com/careers/biologist/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Bioinformatics Scientists (<https://mhcc.lightcastcc.com/careers/bioinformatics-scientist/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Zoologists and Wildlife Biologists (<https://mhcc.lightcastcc.com/careers/zoologist-and-wildlife-biologist/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Animal Scientists (<https://mhcc.lightcastcc.com/careers/animal-scientist/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Geneticists (<https://mhcc.lightcastcc.com/careers/geneticist/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Molecular and Cellular Biologists (<https://mhcc.lightcastcc.com/careers/molecular-and-cellular-biologist/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Microbiologists (<https://mhcc.lightcastcc.com/careers/microbiologist/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Epidemiologists (<https://mhcc.lightcastcc.com/careers/epidemiologist/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Biological Technicians (<https://mhcc.lightcastcc.com/careers/biological-technician/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Biochemists and Biophysicists (<https://mhcc.lightcastcc.com/careers/biochemist-and-biophysicist/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Biostatisticians (<https://mhcc.lightcastcc.com/careers/biostatistician/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)
- Biological Science Teachers, Postsecondary (<https://mhcc.lightcastcc.com/careers/biological-science-teacher-postsecondary/?region=Greater%20Multnomah%20County%20Area&radius=100%20miles>)