



Oakland Community College

2021/22

Western Michigan University Biology Curriculum Guide

Pre-biology requirements:

- The following courses are the prerequisites for biology, biomedical sciences, and biology-secondary education (high school level) majors.
- This major is a good choice for students going into entry-level employment in the field of biology, biology graduate programs, or professional schools such as physician assistant, physical therapy, medical, dental, and veterinary schools.
- A **minimum of 15 credits of biology** must be earned at WMU for the major.
- Only departmental courses in which a grade of “C” or better is obtained may be counted toward a major or minor in Biological Sciences.

WMU Course	OCC Courses
BIOS 1610	BIO 1530
BIOS 1620	BIO 1560
BIOS 2030	BIO 2540 (elective for Biomed majors)
BIOS 2110	BIO 2630
BIOS 2500	BIO 2560
BIOS 3120	BIO 2710
CHEM 1100 1110	CHE 1510
CHEM 1120 1130	CHE 1520
CHEM 3750 3760	CHE 2610 & 2650
CHEM 3770 3780	CHE 2620 & 2650
PHYS 1130 1140	PHY 1610
PHYS 1150 1160	PHY 1620
MATH 1220 or 2000	MAT 1730 or 1600
STAT 3660	MAT 1580

General education requirements:

- Please see the [Western Essential Studies \(WES\) transfer guide](#).
- All students graduating from the College of Arts & Sciences must meet the world language proficiency by completing two semesters (6-8 hours) of the same foreign language or American Sign Language or passing WMU’s proficiency by exam. Please contact the College of Arts &

Sciences Undergraduate Advising Office at (269) 387-4366 with any questions. Neither the MACRAO Agreement nor the MTA satisfy the world language requirement.

- If the student's first language is not English, then the student is exempt from this requirement. Determination of eligibility for this exemption is based on whether the student was required to take the TOEFL test for admission and can be verified through the WMU departments of Spanish or World Language and Literatures.

Important notes:

- The chemistry, physics, and mathematics courses are called "cognate" requirements for biology department majors and may not be waived.
- The physics and chemistry courses have a minimum prerequisite of successful completion of advanced algebra (**MAT 1150** at OCC).
- For questions about general education requirements please contact the WMU College of Arts & Sciences advisors at the email address given below.
- Prior to enrolling in WMU courses, students should consult the biology department advisor below.

Approved by:

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