



WESTERN MICHIGAN UNIVERSITY

College of DuPage

Fall 2019

## 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 also a good choice for students going into graduate programs and professional schools such as physician assistant, physical therapy, and 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 courses

BIOS 1610

BIOS 1620

BIOS 2500

CHEM 1100/1110

CHEM 1120/1130

CHEM 3750/3760

CHEM 3770/3780

PHYS 1130/1140

PHYS 1150/1160

MATH 1220 or 2000

STAT 3660

### COD courses

BIOLO 1151

BIOLO 1152

BIOLO 1120

CHEMI 1551

CHEMI 1552

CHEMI 2551

CHEMI 2552

PHYSI 1201

PHYSI 1202

MATH 2231 or 2134

MATH 1635

### General education requirements:

- Please see the [general education program 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.

- 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 Languages and Literatures.
- The College of Arts & Sciences also requires a critical thinking course, to be chosen from Proficiency 4c. See the general education transfer guide cited above.

**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 high school advanced algebra (MATH 0482 at COD);
- Chemistry 1100 also requires a high school chemistry course as a prerequisite (same as CHEM 1105 at COD). Students should be aware of these prerequisites while they are beginning at the community college;
- 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 listed below.

**Approved by:**

Diana Blouin

Megan Larson – Academic Advisor

Department of Biological Sciences

[wmich.edu/biology/advising](http://wmich.edu/biology/advising)

(269) 387-5617

**WMU College of Arts & Sciences**

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