



WESTERN MICHIGAN UNIVERSITY

Kirtland Community College

Fall 2018

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 2110

BIOS 2320

BIOS 2400

CHEM 1100/1110

CHEM 1120/1130

MATH 1220 or 2000

STAT 3660

KCC courses

BIO 25000

BIO 21000

BIO 25100

CHE 10101/10102

CHE 10201/10202

MTH 22002

MTH 20600

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. Neither the MACRAO Agreement nor the MTA satisfy this 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 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. MACRAO or the MTA will cover this requirement.

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 (MTH 12000 at KCC);
- Chemistry 1100 also requires a high school chemistry course as a prerequisite (same as CHEM 10000 at KCC). 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 below.

Approved by:

Diana Blouin

Megan Larson – Academic Advisor

Department of Biological Sciences

wmich.edu/biology/advising

(269) 387-5617

WMU College of Arts & Sciences

wmich.edu/arts-sciences/advising

(269) 387-4366

coas-advising@wmich.edu