

Harper College 2025/26

Western Michigan University Biology Curriculum Guide

Pre-biology requirements:

- The following courses are the prerequisites for biology, biomedical sciences, and biologysecondary 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.

	Harper courses
Biological Form & Function	BIO 101
Molecular & Cellular Biology	BIO 115
Ecology & Evolution	BIO 116
General Botany	BIO 120 (elective for biomed majors)
General Zoology	BIO 140 (elective for biomed majors)
Human Anatomy	BIO 260
General Chemistry I & Lab I	CHM 121
General Chemistry II & Lab II	CHM 122
Organic Chemistry I & Lab I	CHM 204
Organic Chemistry II & Lab II	CHM 205
General Physics I & Lab I	PHY 121
General Physics II & Lab II	PHY 122
Calculus I or Calc with Applications	MTH 200 or 134
Introductory Statistics	MTH 165
	Molecular & Cellular Biology Ecology & Evolution General Botany General Zoology Human Anatomy General Chemistry I & Lab I General Chemistry II & Lab II Organic Chemistry II & Lab II Organic Chemistry II & Lab II General Physics I & Lab II General Physics II & Lab II Calculus I or Calc with Applications

General education requirements:

- Please refer to the <u>WMU Essential Studies (WES) transfer guide</u> that lists courses meeting WES requirements at WMU that may be taken at Harper.
- All students graduating from the College of Arts & Sciences must complete the College of Arts and Sciences Essentials (CASE). This includes world language proficiency (detailed in

- next bullet point), ENGL 1050/1060 sequence, and by completing the baccalaureate writing requirement.
- 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, 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.
- You may email the WMU advisors in the College of Arts & Sciences for further clarification about WES or CASE.

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 103 at Harper).
- For questions about WES or biology major requirements please contact the WMU College of Arts & Sciences Biology advisor at the email address given below.
- Prior to enrolling in WMU courses, students should consult the biology advisor listed below.

Approved by:

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For general education advising or world language requirement questions: wmich.edu/arts-sciences/advising