

**Bachelor of Science with a major in Biology and Secondary Teacher Education Program (STEP)
(2017/2018 Catalog)**

MAJOR REQUIREMENTS

Oakland University Courses	Lansing Community College Options
BIO 1200, 1201 & 1300	BIOL 127 and 128
BIO 2600 - Requirement option that double counts in <i>Physiology</i> area:	BIOL 202
BIO 3400	BIOL 270
Choose one course approved for the Cell-Molecular/Biomedical area:	BIOL 275, 276

MAJOR ELECTIVE

Choose 4 credits from the following Biology electives

BIO 2100 - Elective option that double counts in <i>Zoology</i> area:	BIOL 201
BIO 3520 - Elective option that double counts in <i>Microbiology</i> area:	BIOL 203
Or choose from these approved BIO electives:	BIOL 204, 260, 265, (275, 276 – whichever one not taken above)
PLEASE NOTE: Alternative double-counting course options available at OU – consult OU adviser to determine optimal course selection	

MAJOR COREQUISITES

MTH 1441	MATH 126 or (MATH 121 and 122)
MTH 1222 or MTH 1554	MATH 141 or (MATH 151 or 161)
CHM 1440 & 1470	CHEM 151 and 161
CHM 1450 & 1480	CHEM 152 and 162
CHM 2340	CHEM 251
CHM 2350	CHEM 252
CHM 2370	CHEM 272
PHY 1010 & PHY 1100 or PHY 1510 & 1100	PHYS 221 or PHYS 251
PHY 1020 & PHY 1110 or PHY 1520 & 1110	PHYS 222 or PHYS 252
ENV 3080 or PHY 1060	BIOL 120 or 210 (these options meet multiple requirements) or GEOL 221
CHM 3000	CHEM 135 <i>(this course not required when you complete BIOL 120 or 210 above)</i>

Additional coursework for those choosing the Integrated Science Endorsement

PHY 1040	ASTR 201
<i>Also, complete (BIO 120 or 210) AND GEOL 221 above</i>	

MICHIGAN TRANSFER AGREEMENTS:

In many cases, it is to a student's advantage to complete the MTA or MACRAO agreement when fulfilling General Education requirements. This may allow for more flexibility when creating a schedule while at your community college. When choosing to complete MTA or MACRAO, please confirm the best courses to take to fulfill the agreement with your academic adviser at LCC or [MTA Approved Courses](#)

Additional course requirements for MTA when following this major guide (minimum 30 credit hours required for MTA):

ENGL/WRIT 121 or 131 (MTA Approved Composition Course)
 ENGL/WRIT 122 or 132 (MTA Approved Composition Course; this is a prerequisite for coursework at OU)
 MTA Approved Social Science Course
 MTA Approved Social Science Course
 MTA Approved Humanities/Fine Arts Course
 MTA Approved Humanities/Fine Arts Course

SPECIAL NOTE REGARDING MTA OR MACRAO: In some cases, completing the MTA or MACRAO agreement is not as practical. When using MTA or MACRAO, your ability to make the most efficient course selections at OU may be impacted depending on your accumulated credits and chosen OU major. For more details on whether or not it is recommended for you to complete MTA or MACRAO, please consult with an OU academic adviser.

If you plan to transfer without completing a transfer agreement, please reference the following table (next page) for courses that satisfy individual categories.

GENERAL EDUCATION REQUIREMENTS	
40 credits are required from categories 1-10. Each of these categories must be fulfilled by completing one course of at least 3 or more credits. A course may not be used in more than one of these categories. Please see OU Catalog for further information.	
1. Writing Foundations	ENGL/WRIT 122 or 132 (minimum grade of B required for STEP)
2. Formal Reasoning	Satisfied by Major – MATH 141, MATH 151 or 161
3. Arts	HUMS 120, 211, 212, 216, MUSC 199, 240, 241, 246, 247, THEA 110, 210
4. Foreign Language and Culture	CHIN 121, 122; FREN, GRMN, JAPN, SPAN 121, 122, 201, 202
5. Global Perspective	ANTH 120, 270, DMAC 260, GEOG 200, HIST 214, 240, HUMS 125, 214, POLS 260, RELG 150, (211 and 212)
6. Literature	ENGL 202, 203, 211, 212, 220, 240, 255, 256, 260, 266, 267, 270, 290, HUMS 160
7. Natural Science and Technology	Satisfied by Major – BIOL 127
8. Social Science	ANTH 120, 270, 275; ECON 201, 202; POLS 120, 201, 260; PSYC 200; SOCL 120
9. Western Civilization	HIST 150, 211, 212, 235, PHIL 152, 211
10. Knowledge Applications	Satisfied by Major – PHYS 222 or 252
U.S. Diversity – May double count with categories 1-10	COMM 280, ENGL 260, HIST 211, 212, MGMT 234, POLS 120, SOCL 120, 185, 260
Capstone & Writing Intensive in the Major	These general education requirements must be met by courses taken at Oakland University.

Students who complete MTA or MACRAO according to this guide satisfy general education categories 1-9 and U.S. Diversity.

Recent Course Changes:

- **HUMS 213 may be used to satisfy the Western Civilization category of General Education, must be transferred in before the start of Fall Semester 2019.**

EXPLORATORY:

The College of Arts and Sciences Exploratory Requirement is met with required STEP minor/endorsement (choose minor courses with OU adviser approval).

Notes:

- Please contact College of Arts and Sciences Advising at oakland.edu/casadvising or (248) 370-4567 for more information regarding your degree requirements.
- **Students pursuing Secondary Education must apply and be accepted into STEP at Oakland University (OU).**