

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

MAJOR REQUIREMENTS	
Oakland University Courses	Delta College Options
BIO 1200, 1201 & 1300	BIO 171 <u>and</u> 172
BIO 3400	BIO 271
BIO 3500 & 3501 (additional course options available at OU)	BIO 203
BIO 2600: Requirement option that also covers <i>Physiology area</i>	BIO 241

MAJOR ELECTIVE	
Choose 4 credits from these Biology elective options:	BIO 240 (also meets Zoology area requirement) or BIO 274
Alternative elective options available at OU – consult OU adviser for additional assistance in determining optimal course selection	

MAJOR COREQUISITES	
MTH 1441	MTH 151 or (MTH 121 <u>and</u> 122)
MTH 1222 <u>or</u> MTH 1554	MTH 160 <u>or</u> MTH 161
CHM 1440 & 1470	CHM 111
CHM 1450 & 1480	CHM 112
CHM 2340	CHM 210
CHM 2350	CHM 220
CHM 2370	CHM 210L and 220L
PHY 1010 & PHY 1100 <u>or</u> PHY 1510 & 1100	PHY 111 <u>or</u> PHY 211
PHY 1020 & PHY 1110 <u>or</u> PHY 1520 & 1110	PHY 112 <u>or</u> PHY 212
ENV 3080 OR PHY 1060	BIO 110 (this option meets multiple requirements) OR GEO 111 or GLG 111
<i>When opting to complete the Integrated Science Endorsement, take both BIO 110 AND either GEO 111 or GLG 111 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 Delta or [MTA Approved Courses](#)

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

- ENG 111 (MTA Approved Composition Course)
- ENG 112 (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	ENG 112 (minimum grade of B required for STEP)
2. Formal Reasoning	Satisfied by Major - MTH 160 or 161
3. Arts	ART 105, 151, 152; COM 215, 216; ENG 226; IHU 226; MUS 111, 112, 118, 119
4. Foreign Language and Culture	FR, GE, SPA 111, 112, 211, 212
5. Global Perspective	GEO 113, 222, 223, 255, 260; IHU 234; POL 221, 225; SOC 231; SSI 234
6. Literature	ENG 219, 220, 221, 222, 223, 228, 229, 241, 242, 245, 246, 269, 271, 272, 274, 276, 277, 278, 285
7. Natural Science and Technology	Satisfied by Major – BIO 171
8. Social Science	BIO 230; ECN 221, 222; IHU 202; POL 103, 105, 221, 225; PSY 211; SOC 211, 230, 231
9. Western Civilization	HIS 111, 112, 215, 221, 222; PHL 211, 213
10. Knowledge Applications	Satisfied by major – PHY 112 or 212
U.S. Diversity – May double count with categories 1-10	COM 245; ENG 226, 274, 277, 278; HIS 217, 221, 222, 225; IHU 202, 226, 280, 281; MUS 118, 119; POL 103, 105; SOC 211, 215
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.

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).**