

Bachelor of Science with a major in Physics (2017/2018 Catalog)

MAJOR REQUIREMENTS	
Oakland University Courses	St. Clair County Community College Options
PHY 1510 & 1100	PHY 221
PHY 1520 & 1110	PHY 222
MTH 1554	MTH 114
MTH 1555	MTH 215
MTH 2554	MTH 216
MTH 2775 <u>or</u> APM 2555	MTH 210 <u>or</u> MTH 217 (accepted)
PHY 2000-level elective (additional course options available at OU)	PHY 232

Additional coursework
Complete 10 additional credits in chemistry (must be selected in consultation with OU adviser)

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 SC4 [MTA Approved Courses](#)

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

- ENG 101 (MTA Approved Communications Course)
- ENG 102 (MTA Approved Communications Course; this is a prerequisite for coursework at OU)
- MTA Approved Social Science Course
- MTA Approved Social Science Course
- MTA Approved Humanities Course
- MTA Approved Humanities Course
- MTA Approved Science Course (*may be satisfied with Chemistry course selected for "Additional coursework" above*)

SPECIAL NOTE REGARDING MTA OR MACRAO: In some cases, completing the MTA or MACRAO agreement may not be 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 table below 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 102
2. Formal Reasoning	Satisfied by Major – MTH 114
3. Arts	ART 120, 121, 122; ENG 255; MUS 106; THA 101
4. Foreign Language and Culture	FR, GR, SP (101, 102, 203 <u>or</u> 204)
5. Global Perspective	ANT 171; GEO 102, 233; PS 230
6. Literature	ENG 205, 206, 208, 210, 211, 212, 220, 221, 225, 230, 231, 236, 243
7. Natural Science and Technology	Satisfied by Major – PHY 221
8. Social Science	ANT 171; BUS 221, 222; PS 101, 230; PSY 180; SOC 101, 200
9. Western Civilization	HIS 101, 102, 149, 150, 233; PHL 210, 213
10. Knowledge Applications	Satisfied by Major – MTH 215
U.S. Diversity – May double count with categories 1-10	ENG 225, 255; HIS 149, 150, 233, 297; PS 101; SOC 101, 201
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:

Students with majors in the College of Arts and Sciences (CAS) must satisfy an exploratory requirement. This can be done by completing a double major or a CAS minor or concentration; or by completing a minimum of 12 credits in a single CAS rubric, outside of their major rubric. For additional options visit oakland.edu/exploratory. Only courses that are at the 100-level or above may be used to fulfill the exploratory requirement. Students using MTA or MACRAO must complete the exploratory requirement at Oakland University or another four-year institution.

- Notes:
- Please contact College of Arts and Sciences Advising at oakland.edu/casadvising or (248) 370-4567 for more information regarding your degree requirements.