

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

MAJOR REQUIREMENTS

| Oakland University Courses | Mott Community College Options |
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| PHY 1510 & PHY 1100 | PHYS 287 |
| PHY 1520 & PHY 1110 | PHYS 288 |
| MTH 1554 | MATH 170 |
| MTH 1555 | MATH 180 |
| MTH 2554 | MATH 250 |
| MTH 2775 or APM 2555 | MATH 270 or MATH 280 - accepted |
| 10 credits of chemistry not below CHM 1440 (additional course options available at OU) | CHEM 112, 131, 132, 237, 238 |

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 Mott or [MTA Approved Courses](#)

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

- ENG 101 (MTA Approved Composition Course)
- ENG 102 (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 and Fine Arts Course
- MTA Approved Humanities and Fine Arts Course

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.

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| 1. Writing Foundations | ENGL 102, 104 |
| 2. Formal Reasoning | Satisfied by Major – MATH 170 |
| 3. Arts | ART 110, 111, 112, 116; FILM 181; MUS 180, 182, 183, 186, 187, 271, 272; THTR 110 |
| 4. Foreign Language and Culture | ARBC, CHI 111, 112; FREN 151, 152, 251, 252; GERM, JAPA, RUSN 111, 112, 211, 212; SPAN 181, 182, 281, 282 |
| 5. Global Perspective | ANTH 200, 211; GEOG 142; HIST 152; PHIL 251; PSCN 275 |
| 6. Literature | ENGL 220, 221, 222, 223, 225, 227, 231, 232, 235, 240, 242, 253, 271 |
| 7. Natural Science and Technology | Satisfied by Major – PHYS 287 |
| 8. Social Science | ANTH 211, 212; ECON 221, 222; PSCN 170, 275; PSYC 281; SOCY 191 |
| 9. Western Civilization | HIST 154, 155, 254, 255; PHIL 101, 295 |
| 10. Knowledge Applications | Satisfied by Major – MATH 180 |
| U.S. Diversity – May double count with categories 1-10 | ENGL 223, 235; FILM 181; HIST 154, 155, 254, 255; MUS 182; PSCN 170; SOCY 191, 294 |
| 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:

HIST 152 may be used to satisfy either the Global Perspective or Western Civilization category of General Education, must be transferred in before the start of Fall Semester 2019.

HIST 151 may be used to satisfy the Western Civilization General Education category, must be transferred in before the start of Fall Semester 2019

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.