

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

MAJOR REQUIREMENTS

Oakland University Courses	Mott Community College Options
CHM 1440 & 1470	CHEM 131
CHM 1450 & 1480	CHEM 132
CHM 2340, 2350, 2370	CHEM 237 and CHEM 238
MTH 1554	MATH 170
MTH 1555	MATH 180
PHY 1510 & 1100	PHYS 287
PHY 1520 & 1110	PHYS 288
BIO 1200	BIOL 111
PHY 1060	GEOG 141 <i>or</i> GEOL 151

Additional courses required for those choosing the Integrated Science Endorsement

BIO 1300	BIOL 125 and BIOL 126
PHY 1040	ASTR 117

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 Humanities and Fine Arts Course
MTA Approved Social Science 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.

1. Writing Foundations	ENGL 102, 104 (minimum grade of B required for STEP)
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 – CHEM 131, 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, PHYS 288
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:

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 additional information regarding your degree requirements.
- **Students pursuing Secondary Education must apply and be accepted into STEP at Oakland University (OU).**
- Course work more than 10 years old is subject to re-evaluation by the Chemistry department.