

Between Oakland University and Oakland Community College  
For an Associate in Science to a Bachelor of Science in Chemistry

## Oakland Community College Coursework

### 1. Michigan Transfer Agreement (MTA) Requirements

Students with an MTA Endorsement on their community college transcript have satisfied OU's General Education Core Requirements and will be required to complete only the General Education Knowledge Application, U.S. Diversity, and Writing Intensive course in the major. The courses listed below for the MTA also satisfy major requirements at OU. For courses approved to satisfy the MTA, go to [OCC's MTA Requirements website](#). Students who do not complete the MTA must complete OU's General Education Requirements.

Please note: All courses that satisfy MTA requirements, as well as OU's major requirements, must be completed with a grade of "C" (2.0) or higher.

### English Composition

| Oakland Community College Course:                              | Transfer to Oakland University As: |
|----------------------------------------------------------------|------------------------------------|
| ENG 1510, ENG 1510E, or ENG 1510S: Composition I (3-6 Credits) | WRT 1050: Composition I            |

### Communications

| Oakland Community College Course:    | Transfer to Oakland University As: |
|--------------------------------------|------------------------------------|
| ENG 1520: Composition II (3 Credits) | WRT 1060: Composition II           |

### Mathematics

| Oakland Community College Course: | Transfer to Oakland University As: |
|-----------------------------------|------------------------------------|
| MAT 1730: Calculus I (4 Credits)  | MTH 1554: Calculus I               |

### Two Courses from Social Sciences (Must be from different disciplines)

| Oakland Community College Course:                                                             | Transfer to Oakland University As: |
|-----------------------------------------------------------------------------------------------|------------------------------------|
| Select one additional course from the social science section of the OCC Catalog (3-4 Credits) | Satisfies MTA Requirements         |
| Select one additional course from the social science section of the OCC Catalog (3-4 Credits) | Satisfies MTA Requirements         |

### Two Courses from Fine Arts/Humanities (Must be from different disciplines)

| Oakland Community College Course:                                                                   | Transfer to Oakland University As: |
|-----------------------------------------------------------------------------------------------------|------------------------------------|
| Select one additional course from the fine arts/humanities section of the OCC Catalog (3-4 Credits) | Satisfies MTA Requirements         |
| Select one additional course from the fine arts/humanities section of the OCC Catalog (3-4 Credits) | Satisfies MTA Requirements         |

**Two Courses from Natural Sciences** (Must be from different disciplines; one course must include a lab component)

| Oakland Community College Course:           | Transfer to Oakland University As:                                  |
|---------------------------------------------|---------------------------------------------------------------------|
| CHE 1510: General Chemistry I (4 Credits)   | CHM 1440: General Chemistry I<br>CHM 1470: General Chemistry I Lab  |
| PHY 2400: Engineering Physics I (5 Credits) | PHY 1510: Introductory Physics I<br>PHY 1100: General Physics Lab I |

**MTA Total Credits****Taken at OCC: 31-39****2. Associate in Science Requirements**

Additional elective credits needed to meet requirements for an Associate in Science degree must be numbered 1000 through 2999.

| Oakland Community College Course:                                   | Transfer to Oakland University As:                                    |
|---------------------------------------------------------------------|-----------------------------------------------------------------------|
| MAT 1740: Calculus II (4 Credits)                                   | MTH 1555: Calculus II                                                 |
| CHE 1520: General Chemistry II (4 Credits)                          | CHM 1450: General Chemistry II<br>CHM 1480: General Chemistry II Lab  |
| CHE 2610: Organic Chemistry (4 Credits)                             | CHM 2340: Organic Chemistry                                           |
| CHE 2620: Organic Chemistry II (4 Credits)                          | CHM 2350: Organic Chemistry II                                        |
| CHE 2650: Organic Chemistry Lab (3 Credits)                         | CHM 2370: Organic Chemistry Lab                                       |
| PHY 2500: Engineering Physics II (5 Credits)                        | PHY 1520: Introductory Physics II<br>PHY 1110: General Physics Lab II |
| Free Elective (4 Credits) - <i>Recommend MAT 2740: Calculus III</i> | <i>MTH 2554: Multivariable Calculus</i>                               |
| Free Elective (1-4 Credits)                                         |                                                                       |

**Associate in Science Total Credits****Taken at OCC: 29-32****Total Credits Taken at OCC:****Taken at OCC: 60-71****Oakland University Coursework****Chemistry, B.S. Course Requirements**

In addition to completing major requirements, the coursework listed below and taken at OU will help students meet additional overarching requirements necessary to earn a Bachelor's Degree from Oakland University. Students should meet with their OU CAS Adviser before enrolling in courses to ensure all graduation requirements are being met.

The listed coursework below will allow students to fulfill the following:

- 124 credits overall minimum (combined credits from OCC and OU)
- 45 credits completed at OU to meet the institution's residency requirement to earn a Bachelor's Degree
- 32 credits of upper-level (3000-4000 level) coursework to earn a Bachelor's Degree

| Course Title                                                                                                                                                                                                                          | Credits |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| CHM 2200: Intro to Computational Chemistry                                                                                                                                                                                            | 2       |
| CHM 3250: Analytical Chemistry                                                                                                                                                                                                        | 4       |
| CHM 3420: Physical Chemistry I                                                                                                                                                                                                        | 4       |
| CHM 3430: Physical Chemistry II                                                                                                                                                                                                       | 4       |
| CHM 3480: Physical Chemistry Lab                                                                                                                                                                                                      | 2       |
| CHM 3620: Descriptive Inorganic Chemistry                                                                                                                                                                                             | 3       |
| CHM 4000: Seminar (must be taken for two semesters)                                                                                                                                                                                   | 0       |
| CHM 4380: Inorganic/Organic Lab                                                                                                                                                                                                       | 2       |
| CHM 4254: Biochemistry I                                                                                                                                                                                                              | 3       |
| CHM 4000 Level Elective                                                                                                                                                                                                               | 3       |
| CHM 4000 Level Elective                                                                                                                                                                                                               | 3       |
| CHM 4996 or CHM 4257                                                                                                                                                                                                                  | 3 (33)  |
| Free Elective coursework ( <i>Please note that a certain number of free electives must be taken at OU to meet the 45 credit residency requirement for graduation and the 32 upper-level credit minimum required for graduation.</i> ) | 20-31   |

### OU Coursework Total Credits

**Taken at OU: 53-64**

### OU Sample Sequence for completing the program:

The sequence below is a sample and will vary by student and pace of course completion. Students should meet with their OU CAS Adviser before enrolling in courses

#### First Semester (13 Credits)

CHM 2200 Intro to Computational Chemistry (Offered every third semester)

CHM 3250 Analytical Chemistry (Offered Fall only)

CHM 4000 Level Lecture

CHM 3420 Physical Chemistry I

#### Second Semester (16 Credits)

CHM 3430 Physical Chemistry II (Offered Winter only)

CHM 3480 Physical Chemistry Lab (Offered Winter only)

CHM 4996 or CHM 4257

CHM 4000 Level Lecture

Free Elective - Recommend APM 2555

**Third Semester (12 Credits)**

CHM 4254 Biochemistry I

CHM 3620 Descriptive Inorganic Chemistry

CHM 4380 Inorganic/Organic Lab (offered every third semester) CHM 4000 Seminar (must be taken for two semesters)

Free Elective

**Fourth Semester (12 Credits)**

CHM 4000: Seminar (must be taken for two semesters)

Free Elective

Free Elective

Free Elective

**Additional Important Information:**

- Students should meet with an OCC Counselor before following this Articulation Agreement Program Guide.
- This guide does not include any remedial courses and may not include prerequisite requirements
- Students looking to pursue medical, dental, PA, optometry, and veterinarian schools post-graduation should be aware that such professional programs require applicants to demonstrate multiple highly successful semesters of upper-level science coursework at the university level. Students should meet with an OU CAS Adviser at their earliest convenience to talk through admissions requirements for their interested program.
- Successful completion of this articulation agreement, including completion of MTA and earning an Associate of Science at Oakland Community College, will allow transferred community college coursework to apply for Oakland University's CAS Exploratory requirement, regardless if applied to MTA or not.
- Students who do not complete the OCC courses and requirements as outlined will have additional requirements upon transferring to OU