

Transfer Agreement

Oklahoma City Community College
And
University of Central Oklahoma

Effective Academic Year: 2024-2025

Associate in Science Degree – Chemistry
To
Bachelors of Science-Chemistry-ACS Approved

Oklahoma City Community College

Mickey Jack

Name (please print)
Assistant Vice President for Academic Affairs

Mickey Jack

Signature

11/21/2024

Date

Juanita Ortiz

Name
Vice President for Academic Affairs

Juanita Ortiz

Juanita Ortiz (Nov 21, 2024 15:56 CST)

Signature

Date

University of Central Oklahoma

Dr. Dallas New

Department Chair

Dr. Dallas New

Signature

12/11/2024

Date

Dr. Gloria Caddell

Name
Dean, College of Mathematics and Science

Gloria M. Caddell

Signature

1/17/25

Date

Dr. Donna Cobb

Associate Vice President for Academic Affairs

Donna Cobb

Signature

01/27/2025

Date

OCCC Associate in Science - Chemistry to UCO Bachelor of Science - Chemistry - ACS Approved

The University of Central Oklahoma (UCO), in collaboration with Oklahoma City Community College (OCCC), participates in articulated transfer agreements to assist students in transferring smoothly from the associate degree to the baccalaureate degree. These agreements express a shared commitment to student access and success in higher education.

This document specifies courses to be taken at OCCC and courses to be taken at UCO to meet this agreement.

Associate in Science (A.S.) - Chemistry

Students should refer to the associate degree requirements and an academic advisor for associate degree details to ensure a successful transition to UCO.

Oklahoma City Community College General Education

This section is an outline of the general education pattern at OCCC common to all majors. Some general education areas may vary by major. In those areas, consult an academic advisor or refer to the OCCC catalog or requirement sheet. An Associate in Science (A.S.) or Associate in Art (A.A.) degree from an accredited Oklahoma institution that includes the OSRHE minimum requirements will satisfy the UCO University Core.

English Composition

- ENGL 1113 English Composition I (UCO course ENG 1113)
- ENGL 1213 English Composition II (UCO course ENG 1213)

American History

- HIST 1483 U.S. History to 1877 (UCO course HIST 1483)
OR
HIST 1493 U.S. History 1877 to Present (UCO course HIST 1493)

US Government

- POLSC 1113 American Federal Government (UCO course POL 1113)

Science

One course must be a laboratory science. Students should refer to associate degree requirements or consult with an academic advisor for appropriate course selection for specific majors.

Humanities

Students should refer to associate degree requirements or consult with an academic advisor for appropriate course selection for specific majors.

Mathematics

Students should refer to associate degree requirements or consult with an academic advisor for appropriate course selection for specific majors.

Additional Requirements

Students will need at least one 3-hour course from the following disciplines: Psychology, Sociology, Political Science, Economics, Fine Arts (Art, Music, and Theatre), or Modern Languages. Students should refer to associate degree requirements or consult with an academic advisor for appropriate course selection for specific majors.

General Education Electives

Students should refer to associate degree requirements or consult with an academic advisor for appropriate course selection for specific majors.

UCO Major Requirements Taken At OCCC

The courses listed in this section are required at OCCC for this major and will also meet UCO major requirements. The OCCC course is followed by the UCO equivalent or substituted course.

- MATH 1533 Pre-Calculus (UCO course MATH 1533)
- MATH 1613 Trigonometry (UCO course MATH 1593)
- CHEM 1115 General Chemistry I (UCO courses CHEM 1103 **AND** CHEM 1112)
- CHEM 1215 General Chemistry II (UCO course CHEM 1223 **AND** CHEM 1232)
- CHEM 2114 Organic Chemistry I (UCO course CHEM 3303)
- CHEM 2111 Organic Chemistry I Laboratory (UCO course CHEM 3312)
- CHEM 2124 Organic Chemistry II (UCO course CHEM 3323)
- CHEM 2121 Organic Chemistry II Laboratory (UCO course CHEM 3332)

Additional Coursework for the A.A. or A.S.

See OCCC catalog and academic advisor for additional associate degree requirements.

Credited courses completed as part of the A.A. or A.S. that do not meet a specific UCO degree requirement transfer to UCO as electives and may count toward the 124-hour minimum. Students should consult an academic advisor to determine how elective courses apply toward the bachelor's degree. Information for individual courses can be found on the UCO website under the UCO Transfer Equivalency Database.

Bachelor of Science (B.S.) - Chemistry-ACS **Approved**

Degrees from UCO have requirements applicable to all degrees and requirements specific to the program/major.

Degree Requirement Minimums for All Programs/Majors

Students must meet all bachelor's degree requirements at UCO to include minimums of:

- 40 hours of upper division coursework
- 30 hours in residence at UCO
- 15 of the last 30 hours must be taken in residence at UCO
- 60 hours from baccalaureate granting institutions
- 124 total hours

UCO Major Requirements

This section details the course requirements for this major at UCO. The UCO course is followed by the community college equivalent or substituted course. Some courses may be taken at the community college but may or may not apply to the associate major or degree. Consult with an academic advisor for that information.

Support Courses: 0-6 hours

- MATH 1533 Precalculus-Algebra (OCCC course MATH 1533)

OR

MATH 1513 College Algebra

OR

Placement Score

- MATH 1593 Plane Trigonometry

OR

Placement Score (OCCC course MATH 1613)

A grade of 'C' or better is required for either MATH 1513 or MATH 1533 and MATH 1593 to take MATH 2313.

Major Requirements: 72 hours

Chemistry - ACS Approved

Common Core: 38 hours

- CHEM 1103 General Chemistry I (OCCC course CHEM 1115 counts as UCO course CHEM 1103 and CHEM 1112)
- CHEM 1112 General Chemistry I - Recitation/Lab
- CHEM 1223 General Chemistry II (OCCC course CHEM 1215 counts as UCO course CHEM 1223 and CHEM 1232)
- CHEM 1232 General Chemistry II - Recitation/Lab
- CHEM 2104 Quantitative Analysis and Lab
- CHEM 2621 Professionalism in Chemistry I
- CHEM 3303 Organic Chemistry I (OCCC course CHEM 2114)
- CHEM 3312 Organic Chemistry I Lab (OCCC course CHEM 2111)
- CHEM 3323 Organic Chemistry II (OCCC course CHEM 2124)
- CHEM 3332 Organic Chemistry II Lab (OCCC course CHEM 2121)
- CHEM 3454 Fundamentals of Instrumental Analysis and Lab
- CHEM 3621 Professionalism in Chemistry II
- PHY 1114 General Physics I and Lab or
- PHY 2014 Physics for Science and Engineering I and Lab
- PHY 1214 General Physics II and Lab or
- PHY 2114 Physics for Science and Engineering II and Lab

Mathematics: 6 Required Credit Hours

- MATH 2313 Calculus I
- MATH 2323 Calculus 2

Advanced Chemistry ACS approved: 28 hours

Required courses: 19 hours

- CHEM 3403 Biochemistry I
- CHEM 3503 Physical Chemistry I
- CHEM 3513 Physical Chemistry II
- CHEM 3602 Experimental Physical Chemistry
- CHEM 4502 Directed Research and Lab (taken twice)

- ~~CHEM 4603 Advanced Organic Chemistry~~
- CHEM 4654 Inorganic Chemistry and Lab

Elective Chemistry (3000/4000 level): 2 hours

- Any 3000/4000 level Chemistry course

CHEM 3013 and CHEM 3203 will not apply.

Other electives as approved by the department.

Minimum Grade Requirements

- Average in (a) all college course work, and (b) course work at UCO: **2.25**
- A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

Electives

All UCO degrees require a minimum of 124 credit hours. Electives may be needed to bring total credit hours to 124.

The following are highly recommended:

- ~~ENG 4023 Technical Writing~~
- ~~MATH 2343 Calculus 4~~
- ~~PHY 3103 Modern Physics~~

Transfer Policies

Transfer policies are available in the Introduction for Program-to-Program Agreements. This agreement does not include all possible variations for transfer with these programs/majors. The Academic Advisors along with the information in the official catalogs at both institutions are critical to the understanding of the specifics of degree completion.

Disclaimer

The provisions of this transfer agreement do not constitute a contract, expressed or implied, between any applicant or student and the University of Central Oklahoma. The university reserves the right to make changes in degree requirements, degree offerings, schedules, course offerings, and other university standards to meet circumstances which may arise after publishing this information online.
