

Transfer Agreement

Oklahoma City Community College

And

University of Central Oklahoma

Effective Academic Year: 2024-2025

Associate in Science Degree – Biology

To

Bachelors of Science-Biology

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. Elizabeth Allan

Department Chair

Elizabeth Allan

Signature

12/12/2024

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 - Biology to UCO Bachelor of Science - Biology

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.) - Biology

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 1483 Functions and Modeling (UCO course MATH 1453) ✓
- BIO 1124 General Biology I for Majors (UCO course BIO 1204)
- BIO 2203 Cell Biology (UCO course BIO 2203)
- CHEM 1115 General Chemistry I (UCO courses CHEM 1103 and 1112)
- PHYS 1114 College Physics I (UCO course PHY 1114)
- MATH 2013 Introduction to Statistics (UCO course STAT 2103) (substitution)

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 - Biology

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 OCCC equivalent or substituted course. Some courses may be taken at OCCC but may or may not apply to the OCCC major or degree. Consult with an academic advisor for that information.

Support Courses: 0-6 hours

Students majoring in Biology are encouraged to complete the following courses in high school.

- Two years of high school algebra and one year of Trigonometry
OR
MATH 1453 Applied Algebra
OR
MATH 1513 College Algebra
- MATH 1593 Plane Trigonometry

Major Requirements

Biology: 67 hours

Biology Core (required of all degree candidates): 25 hours

- [REDACTED] (OCCC course BIO 1124)
- BIO 1224 Biology for Majors: Diversity
- BIO 2203 Cell Biology (OCCC course BIO 2203)
- BIO 2211 Cell Biology Laboratory
- BIO 3054 Microbiology for Majors and Lab
- BIO 3303 Genetics
- BIO 3543 General Ecology
- BIO 3703 Evolution

- BIO 4840 Capstone (refer to Capstone Experience Details)

Mathematics: 6 hours

- MATH 2153 BioCalculus
- STAT 2103 Intro Statistics for Sciences (OCCC course MATH 2013) (substitution)

Chemistry: 15 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 may be taken and counts as UCO course CHEM 1223 and CHEM 1232)
- CHEM 1232 General Chemistry II - Recitation/Lab

- CHEM 3303 Organic Chemistry I (OCCC course CHEM 2114 may be taken)
OR
CHEM 3013 Organic Chemistry for Life Sciences

- CHEM 3312 Organic Chemistry I Lab (OCCC course CHEM 2111 may be taken.)
OR
CHEM 3022 Organic Chemistry for Life Sciences Lab

Physics: 4 hours

- PHY 1114 General Physics I and Lab (OCCC course PHY 1114)

Upper Division Biology Electives to bring major total to 67): 17 hours

- Any 3000/4000 level UCO BIO course or its equivalent AND/OR
- CHEM 3403 Biochemistry I

At least five courses taken for the B.S. in Biology must be BIO courses with a lab. These courses include the three lab courses required as part of the core: BIO 1224, BIO 2211, and BIO 3054.

National Assessment Exam

Graduating seniors must take a national assessment exam in Biology as a graduation requirement for the B.S. in Biology.

Capstone Experience Details

To enroll in a Capstone Experience, students must complete a minimum of 60 credit hours. This 0-credit hour course is designed to be taken in conjunction with a capstone experience. Capstone experiences may include the following courses or special projects in biology. Special projects include but are not limited to independent research, service learning, professional school applications, or other equivalent experiences as approved by the Capstone Coordinator. Approval of the Capstone Coordinator is required before starting any capstone experience. A reflective writing piece, which must receive a passing score, will be required for all capstones.

- BIO 3000 Workshop in Biology
- BIO 3990 Advanced Topics in Biology
- BIO 4012 Intro to Biological Research
- [REDACTED]
- BIO 4871 Senior Seminar
- BIO 4900 Practicum in Biology
- BIO 4920 Workshop in Biology
- BIO 4930 Individual Study in Biology
- BIO 4950 Internship in Biology
- BIO 4960 Institute in Biology
- BIO 4970 Study Tour in Biology

A maximum of 2 credit hours of the courses listed above, whether taken in conjunction with the capstone experience or not, will apply to the 67 credit hours required in the major except when BIO 4012 or [REDACTED] is chosen. If BIO 4012 or [REDACTED] is chosen as the capstone experience, an additional 2 credit hours may be taken.

Minimum Grade Requirements

- Average in (a) all college course work, (b) course work at UCO, and (c) major courses: **2.00**
- 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.

General Physics II is a recommended elective.

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.
