

# Transfer Agreement

Oklahoma City Community College  
And  
University of Central Oklahoma

Effective Academic Year: 2024-2025

Text

Associate in Science Degree – Biology  
To  
Bachelors of Science-Biology-Medical Laboratory Science

## 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

01/22/2025

Date

Dr. Gloria Caddell

Name  
Dean, College of Mathematics and Science

Gloria M. Caddell

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Date

Dr. Donna Cobb

Associate Vice President for Academic Affairs

Donna Cobb

Signature

02/13/25

Date

# **OCCC Associate in Science - Biology to UCO Bachelor of Science - Biology - Medical Laboratory Sciences**

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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**

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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**

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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**

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

### **American History**

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- 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**

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

## **Science**

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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**

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

## **Mathematics**

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

## **Additional Requirements**

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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**

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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

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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)
- CHEM 1115 General Chemistry I (UCO courses CHEM 1103 and 1112)
- CHEM 1215 General Chemistry II (UCO course CHEM 1223 and 1232)
- BIO 1134 General Biology II for Majors (UCO course BIO 1224)

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

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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.) - Biology-Medical Laboratory Sciences

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

## Degree Requirement Minimums for All Programs/Majors

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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



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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: 0-3 hours**

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Students majoring in Biology-Medical Laboratory Science 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 (OCCC course MATH 1483)  
**OR**  
MATH 1513 College Algebra

**Major Requirements: 87 hours**

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Biology-Medical Laboratory Sciences

Students may earn the B.S. in Biology-Medical Laboratory Science from UCO upon completion of the following three-year curriculum and an additional one year in a hospital school approved by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

**Biology and Chemistry: 45 hours**

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- BIO 1204 Biology for Majors: Principles and Lab (OCCC course BIO 1124)
- BIO 1224 Biology for Majors: Diversity (OCCC course BIO 1134)
- BIO 2203 Cell Biology (OCCC course BIO 2203 may be taken.)
- BIO 2211 Cell Biology Laboratory
- BIO 2604 Human Physiology and Lab (OCCC course BIO 2234 may be taken.)
- BIO 3054 Microbiology for Majors and Lab (OCCC course BIO 2125 may be taken.)
- BIO 3303 Genetics (OCCC course BIO 2343 may be taken.)
- BIO 4544 Immunology and Lab
- CHEM 1103 General Chemistry I (OCCC course CHEM 1115 counts for UCO courses CHEM 1103 and CHEM 1112)
- CHEM 1112 General Chemistry I-Recitation/Lab
- CHEM 1223 General Chemistry II (OCCC courses CHEM 1215 counts for UCO courses CHEM 1223 and CHEM 1232)
- CHEM 1232 General Chemistry II-Recitation/Lab

- CHEM 3303 Organic Chemistry I (OCCC courses CHEM 2114 and CHEM 2111 may be taken and count for UCO courses CHEM 3303 and CHEM 3312) OR
- CHEM 3013 Organic Chemistry for Life Sciences
- CHEM 3312 Organic Chemistry I Lab OR
- CHEM 3022 Organic Chemistry for Life Sciences Lab
- CHEM 3403 Biochemistry I

**Mathematics: 3 hours**

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- MATH 2153 BioCalculus
  - STAT 2103 Intro Statistics for Sciences (OCCC MATH 2013 may be taken.) (substitution)

**Elective Biology and/or Chemistry: 9 Credit Hours**

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- BIO 3311 Genetics Lab
  - BIO 3403 Comparative Animal Physiology  
OR  
BIO 3464 Comparative Animal Physiology and Lab
  - BIO 3414 Histology and Lab
  - BIO 3803 Mammalian Physiology I
  - BIO 3813 Mammalian Physiology II
  - BIO 4414 Virology and Lab
  - BIO 4774 Parasitology and Lab
  - BIO 4534 Pathogenic Microbiology and Lab
  - CHEM 3203 Introductory Physical Chemistry
  - CHEM 3323 Organic Chemistry II
  - CHEM 3332 Organic Chemistry II Lab
  - CHEM 3442 Experimental Biochemistry
  - CHEM 4103 Biochemistry II

**Medical Technology: 30 hours**

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The Medical Laboratory Science degree can only be obtained upon completion of the one-year clinical hospital training. Completion of the three-year requirements at UCO does NOT assure acceptance into one of the affiliated hospitals. Acceptance into a hospital program is highly competitive.

Students must complete an appropriate one-year program with an approved affiliate Hospital Medical Laboratory Science Program and satisfactorily complete the following courses through UCO.

- BIO 4117 Clinical Microbiology
- BIO 4236 Clinical Hematology
- BIO 4246 Clinical Immunology
- CHEM 4125 Clinical Chemistry I

- CHEM 4325 Clinical Chemistry II
- CHEM 4351 Topics in Medical Technology

### **Minimum Grade Requirements**

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- 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**

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

## **Transfer Policies**

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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**

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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.

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