

Transfer Agreement  
**Northern Oklahoma College: A.S. Biological Sciences**  
**And**  
**University of Central Oklahoma: B.S. Biology**

To comply with this agreement, students must complete the associate degree with the major listed above and include the specific courses listed below.

<b>Northern Oklahoma College (NOC)</b>	<b>University of Central Oklahoma (UCO)</b>
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.	<ul style="list-style-type: none"> <li>• Written and Oral Communication</li> <li>• Quantitative Reasoning/Scientific Method with Lab</li> <li>• Critical Inquiry and Aesthetic Analysis</li> <li>• American Historical and Political Analysis</li> <li>• Cultural and Language Analysis</li> </ul>
See the program requirements for the associate degree on the NOC website.	<ul style="list-style-type: none"> <li>• Social and Behavioral Analysis</li> <li>• Life Skills</li> </ul>
Credited courses completed as part of the A.A. or A.S. that do not apply to the general education at NOC or the UCO major transfer to UCO as electives.	
Hours required for the A.S. or A.A. degree/major .....60-64	Remaining hours in UCO University Core.....0

<b>NOC courses</b>	<b>UCO equivalents or substitutions</b>
BISI 1124 Biology for Majors	BIO 1204 Biology for Majors: Principles
CHEM 1315 General Chemistry	CHEM 1103 General Chemistry I and 1112 Lab
MATH 1513 College Algebra for STEM	MATH 1513 College Algebra
BISI 1314 General Botany and BISI 1414 General Zoology	(BISI 1314 and 1414 from NOC substitute for UCO BIO 1224 Biology for Majors: Diversity)
CHEM 1414 General Chemistry II	CHEM 1223 General Chemistry II and 1232 Lab
PHYS 1114 General Physics I (with lab)	PHY 1114 General Physics I and lab
MATH 1613 Plane Trigonometry (if not completed in High School)	MATH 1593 Plane Trigonometry

This degree requires additional course work, including the general education, as stated in the NOC Catalog. Other NOC courses may or may not apply to the UCO major. That specific information can be found on the UCO website under Transfer Equivalency Database.

**Total at Northern Oklahoma College.....60-64**

**To be taken at the University of Central Oklahoma.....60-64**

Remaining Major Requirements

Biology.....45

Biology Core (required of all degree candidates) ..... 17

Required Courses:

- BIO 2203 Cell Biology
- 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

Mathematics ..... 6

Required courses:

MATH	2153	BioCalculus
STAT	2103	Intro Statistics for Sciences

Chemistry ..... 5

Required courses:

CHEM	3303	Organic Chemistry I <b>OR</b>
CHEM	3013	Organic Chemistry for Life Sciences
CHEM	3312	Organic Chemistry I Lab <b>OR</b>
CHEM	3022	Organic Chemistry for Life Sciences Lab

Upper Division Biology Electives (to bring major total to 67)\*\* ..... 17

\*\* Any 3000/4000 level UCO BIO course or its equivalent AND/OR

CHEM	3403	Biochemistry I
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\*\* 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.

\*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
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 is chosen. If BIO 4012 is chosen as the capstone experience, an additional 2 credit hours may be taken.

Electives to bring total to ..... 124

**Note: At least 6 hours of electives will need to be upper division.**

General Physics II is a recommended elective.

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

### Minimum Grade Requirements

1. Average in (a) all college course work, (b) course work at UCO, and (c) major courses.....2.00
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

Students must meet all bachelor 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

**Program-to-Program Transfer policies are available in the Introduction for Program-to-Program Agreements on the UCO website at the top of the list of transfer 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.**