

## 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’s degree with the major listed above and include the specific courses listed below.

**Courses listed here are required for the agreement. 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.**

### NOC

General Education requirements  
 BISI 1124 Biology for Majors  
 CHEM 1314 General Chemistry  
 MATH 1513 College Algebra  
 BISI 1314 General Botany and  
 BISI 1414 General Zoology  
 CHEM 1414 General Chemistry II  
 PHYS 1114 General Physics I (with lab)  
 MATH 1613 Plane Trigonometry  
 (if not completed in High School)

### UCO

University Core completed with A.A or A.S  
 BIO 1204 Biology for Majors: Principles  
 CHEM 1103 General Chemistry I and 1112 Lab  
 MATH 1513 College Algebra  
 (BISI 1314 and 1414 from NOC substitute for UCO  
 BIO 1225 Biology for Majors: Diversity)  
 CHEM 1223 General Chemistry II and 1232  
 PHY 1114 General Physics I and lab  
 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**

	Major Requirements
Biology.....	44
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 **OR**
- CHEM 3013 Organic Chemistry for Life Sciences
- CHEM 3312 Organic Chemistry I Lab **OR**
- CHEM 3022 Organic Chemistry for Life Sciences Lab

Upper Division Biology Electives (to bring major total to 67) **\*\*** .....16

**\*\*** 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 1225, 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

**Additional degree requirements can be found in the UCO Undergraduate Catalog.**

**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 agreements. Links to the agreements can be found on the Academic Affairs or Transfer Student Support web pages.**