

**Transfer Agreement
Between
Northern Oklahoma College
And
University of Central Oklahoma**

Effective Academic Year: 2017-2018

Associate of Science in Biological Science

And

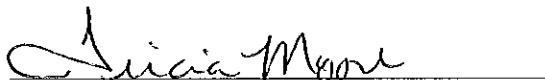
Bachelor of Science in Biology



Dr. Robert Brennan, Chair
Department of Biology

Date

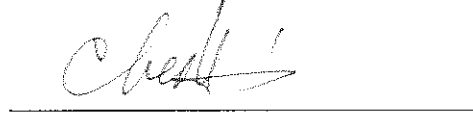
Date



Tricia Moore, Division Chair
Agriculture, Science, and Engineering

11-1-17

Date



Dr. Wei Chen, Dean
College of Math and Science

12.5.17

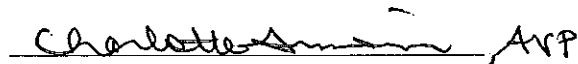
Date

Nov. 3, 2017

Date



Dr. Pamela Stinson
Vice President for Academic Affairs

 ARP

Dr. John Barthell, Provost
Vice President for Academic Affairs

12-8-2017

Date

11-17-17

Date

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
 ORNT 1101 Freshman Orientation
 BISI 1314 General Botany
 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
 BIO1204 Biology I for Majors
 CHEM 1103 General Chemistry I and 1112 Lab
 MATH 1513 College Algebra
 Elective
 BIO 1304 Plant Biology and lab
 BIO 1404 Animal Biology and lab
 (BISI 1314 and 1414 from NOC substitute for UCO
 BIO 1225 Biology II for Majors and Lab)

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 Students, Online Transfer Guides.

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

Mathematics6

Required courses:

- MATH 2153 BioCalculus
- STAT 2103 Intro Statistics for Sciences

Chemistry5

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.