

# Transfer Agreement

Northern Oklahoma College: A.S. Biological Sciences  
and  
University of Central Oklahoma: B.S. Biology  
Major Code: 6000

## NOC

ENGL 1113 English Composition I  
ENGL 1213 English Composition II  
POLSC 1113 American Government  
HIST 1483 U.S. History to 1865 or  
HIST 1493 U.S. History since 1865  
Humanities 6 hrs.  
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

BISI 2124 Microbiology  
CHEM 1414 General Chemistry II  
PHYS 1114 General Physics I  
MATH 1613 Plane Trigonometry  
(if not completed in High School)

## UCO

ENG 1113 English Composition  
ENG 1213 English Composition and Research  
POL 1113 American National Government  
HIST 1483 History of U.S. to 1877 or  
HIST 1493 History of U.S. since 1877  
**NOC A.S. degree completes UCO University Core**  
BO1204 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)  
BIO 2314 Intro to Microbiology and lab (Elective)  
CHEM 1223 General Chemistry II and 1232  
PHY 1114 General Physics I and lab  
MATH 1593 Plane Trigonometry

### Total 60 hours

To include additional course work required for the A.S. as stated in the NOC catalog.

**Remaining University of Central Oklahoma hours:.....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 <b>OR</b>		
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:

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