

Transfer Agreement

Oklahoma City Community College: A.S. in Biology - Science with Biology Concentration and
University of Central Oklahoma: B.S. in Biology
Major Code: 6000

Oklahoma City Community College Courses General Education as stated in OCCC Catalog

SCL 1001 Success in College and Life
ENGL 1113 English Composition I
ENGL 1213 English Composition II
HIST 1483 U.S. History to the Civil War or
HIST 1493 U.S. History since the Civil War
POLSC 1113 American Federal Government
HUM

Liberal Arts Elective

MATH 1513 College Algebra

CHEM 1115 General College Chemistry I

CHEM 1215 General College Chemistry II

BIO 1124 General Biology I (Majors)

BIO 1134 General Biology II (Majors)

BIO 2203 Cell Biology

PHYS 1114 College Physics

***Total 62-64 hours**

***To include additional course work required for the A.S. as presented in the OCCC Catalog.**

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

Support Course 0-3

Students majoring in Biology are encouraged to complete the following courses in high school.

Two years of high school algebra and one year of Trigonometry **OR**

MATH 1593 Plane Trigonometry

UCO requirement

UNIV 1012 Success Central
ENG 1113 English Composition
ENG 1213 English Composition and Research
HIST 1483 History of U.S. to 1877
HIST 1493 History of U.S. since 1877
POL 1113 American National Government

OCCC A.S. completes UCO University Core Requirements.

MATH 1513 College Algebra

CHEM 1103 General Chemistry I and
1112 General Chemistry I - Recitation/Lab
CHEM 1223 General Chemistry II and
1232 General Chemistry II Lab

BIO 1204 Biology I for Majors

BIO 1225 Biology II for Majors

BIO 2314 Introductory Microbiology and Lab

BIO 2203 Cell Biology

PHY 1114 General Physics and Lab

Biology 42

Biology Core (required of all degree candidates) 13

Required courses:

- BIO 3054 Microbiology for Majors and Lab
- BIO 3303 Genetics
- BIO 3543 General Ecology
- BIO 3703 Evolution

Mathematics 6

Required courses:

- MATH 2153 BioCalculus
- STAT 2103 Intro Statistics for Sciences

Chemistry..... 15

Required courses:

- CHEM 3303 Organic Chemistry I
- CHEM 3312 Organic Chemistry I Lab

Elective major courses (to bring major total to 67) 18

Elective major courses (to bring major total to 67) 17

Selected from the following:

(One course must be a Botany course with a lab and one a Zoology course with a lab).

Botany

- BIO 3024 Plant Physiology and Lab
- BIO 3604 Plant Kingdom and Lab
- BIO 4204 Plant Ecology and Lab
- BIO 4294 Plant Taxonomy and Lab
- BIO 4354 Plant Anatomy and Lab

Zoology

- BIO 3104 Embryology and Lab
- BIO 3154 Invertebrate Zoology and Lab
- BIO 3254 Comparative Vertebrate Anatomy and Lab
- BIO 3403 Comparative Animal Physiology **OR**
- BIO 3464 Comparative Animal Physiology and Lab
- BIO 3454 Vertebrate Zoology and Lab
- BIO 4124 Herpetology and Lab
- BIO 4254 Animal Behavior and Lab **OR**
- BIO 4213 Animal Behavior
- BIO 4264 Mammalogy and Lab
- BIO 4603 Advanced Mammalian Physiology I
- BIO 4613 Advanced Mammalian Physiology II
- BIO 4714 Aquatic Entomology and Lab
- BIO 4734 Ornithology and Lab
- BIO 4754 General Entomology and Lab
- BIO 4773 Parasitology and Lab

Microbiology

- BIO 3515 Pathogenic Microbiology & Immunology and Lab
- BIO 4334 Environmental Microbiology and Lab
- BIO 4413 Virology and Lab
- BIO 4504 Mycology and Lab

Biology

BIO	3414	Histology and Lab
BIO	3551	Ecological Methods
BIO	4012	Introduction to Biological Research
BIO	4024	Freshwater Ecology and Lab
BIO	4103	History and Nature of Science
BIO	4324	Marine Ecology and Lab
BIO	4343	Forensic Molecular Biology and Lab
BIO	4443	Microtechnique and Lab
BIO	4454	Molecular Cell Physiology and Lab
BIO	4622	Methods of Human Dissection & Prosection
BIO	4633	Scanning Electron Microscopy and Lab
BIO	4723	Biometrics
BIO	4743	Molecular and Population Genetics
BIO	4763	Biology of Cancer
BIO	4853	General Methods Teaching Science and Lab
BIO	4910	Seminar in Biology (1-4 hours)
CHEM	3403	Biochemistry I

No more than two (2) hours of the following courses will count toward the minimum required hours for the Biology major.

BIO	2000	Topics in Biology (1-4 hours)
BIO	3000	Workshop in Biology (1-6 hours)
BIO	3990	Advanced Topics in Biology (1-4 hours)
BIO	4900	Practicum in Biology (1- 4 hours)
BIO	4930	Individual Study in Biology (1-4 hours)
BIO	4950	Internship in Biology (1-8 hours)
BIO	4960	Institute in Biology (1-8 hours)
BIO	4970	Study Tour in Biology (1-2 hours)

Electives to bring total to 124

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.**

Total hours at OCCC.....	62-64
Total hours at UCO.....	60-62
Total hours.....	124

For other regulations pertaining to graduation, see the UCO 2012-2013 Undergraduate Catalog.