Transfer Agreement

Oklahoma City Community College: Associate in Science - Biology
And
University of Central Oklahoma: Bachelor of Science – Biology - Biomedical Sciences

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 AA or AS that do not apply to the general education at OCCC or the UCO major transfer to UCO as electives.

**OCCC**

- General Education requirements
- *MATH 1483 Functions and Modeling
- BIO 1124 General Biology I for Majors
- BIO 2203 Cell Biology
- CHEM 1115 General Chemistry I
- *CHEM 1215 General Chemistry II
- *PHYS 1114 College Physics I
- *BIO 1134 General Biology II for Majors
- ^MATH 1613 Trigonometry
- CHEM 2114 Organic Chemistry I
- CHEM 2111 Organic Chemistry I Laboratory
- PHYS 1214 College Physics II

**UCO**

- University Core completed with AA or AS
  - MATH 1453 Applied Algebra
- BIO 1204 Biology for Majors: Principles
- BIO 2203 Cell Biology
- CHEM 1103 General Chemistry I and 1112 Lab
- CHEM 1223 General Chemistry II and 1232 Lab
- PHY 1114 General Physics I and Lab
- BIO 1225 Biology for Majors: Diversity
  - ^MATH 1593 Plane Trigonometry
- CHEM 3303 Organic Chemistry I
- CHEM 3312 Organic Chemistry I Lab
- PHY 1214 General Physics II and Lab (Guided electives)

* In General Education Courses section of degree at OCCC
^ (If needed) UCO requires one year of trigonometry in high school or MATH 1593 Plane Trigonometry. MATH 1613 may be taken in the OCCC degree to meet this requirement.

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

**Total at Oklahoma City Community College** .............................................................. 61-64

**To be taken at the University of Central Oklahoma** ..................................................... 60-63

Major Requirements

Biology-Biomedical Sciences .......................................................... 43

Biology Core ..................................................................................... 8
Required Courses:
  BIO 2211 Cell Biology Laboratory
BIO 3054  Microbiology for Majors and Lab
BIO 3303  Genetics
*BIO 4840  Capstone

Mathematics ........................................................................................................... 6

Required courses:
MATH 2153  BioCalculus
STAT 2103  Intro Statistics for Sciences

**Guided Electives .................................................................................................. 29

Selected from the following:
BIO 3254  Comparative Vertebrate Anatomy and Lab
BIO 3311  Intro to Genetics Lab Methods
BIO 3414  Histology and Lab
BIO 3703  Evolution
BIO 3803  Mammalian Physiology I
BIO 3813  Mammalian Physiology II
BIO 4134  Developmental Biology and Lab
BIO 4264  Mammalogy & Lab
BIO 4334  Environmental Microbiology & Lab
BIO 4343  Molecular Biology Techniques & Lab
BIO 4414  Virology and Lab
BIO 4454  Molecular Cell Physiology & Lab
BIO 4504  Mycology & Lab
BIO 4515  Pathogenic Micro and Immunology & Lab
BIO 4622  Methods of Human Dissection & Prosection
BIO 4743  Population Genetics & Lab
BIO 4763  Biology of Cancer
BIO 4774  Parasitology and Lab
CHEM 3323  Organic Chemistry II
CHEM 3332  Organic Chemistry II Lab
CHEM 3403  Biochemistry I
CHEM 4103  Biochemistry II
PHY 1214  General Physics II and Lab

*A maximum of 2 credit hours from the following list of capstone courses may apply toward the 28 credit hours of guided electives.

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

*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 above 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.

Minimum Hours required .......................... 124

Graduating seniors must take a national assessment exam in Biology as a graduation requirement for the B.S. in Biology-Biomedical Sciences.
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 accepted to graduate medical and allied health professional schools (e.g. Chiropractic, Dentistry, Medicine, Optometry, Osteopathic Medicine, Pharmacy, Physician Assistant, and Veterinary Medicine) prior to completing this degree will be allowed to transfer a maximum of 30 credit hours from the first year of medical course work toward the guided electives and electives included in this degree.

To be eligible, students must have successfully completed the following minimum requirements from UCO before matriculation into the professional program: 1) 94 credit hours total; 2) 30 credit hours in residence at UCO; 3) 15 upper division credit hours in the major; 4) 50% of the total major credit hours; and 5) all regular degree requirements, including general education. (Students must apply for their bachelor’s degree within two years of completing their UCO work, but no later than graduation from medical school.)

Students must meet all bachelor degree requirements at UCO to include minimums of:

- 40 hours of upper division course work
- 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.