

**Transfer
with
Ease**

Articulation Agreement

BACHELOR OF SCIENCE: BIOLOGY

Molecular Catalog Year 2021 - 2022

Eastern Oklahoma State College

East Central University

Associate of Science - Life Science

Bachelor of Science—Biology

- OLS 1111 Orientation and Library Science
- ENGL 1113 Freshman Composition I
- POL SC 1113 American Federal Government
- BIOL 1114 General Biology*
- SPCH 1113 Fundamentals of Speech **OR**
SPCH 2233 Business & Professional Speech
- MATH 1513 College Algebra* **17 hrs.**

- BIOL 2114 Human Anatomy*
- CHEM 1315 General College Chemistry I*
- CIS 1113 Computer Applications
- ENGL 1213 Freshman Composition II
- HIST 1483 American History to 1877 **OR**
HIST 1493 American History since 1877 **18 hrs.**

- PHY 1114 General Physics I*
- PSY 1113 Introduction to Psychology
- ZOO 1114 General Zoology*
- —3 hrs. Humanities (VI A) **15 hrs.**

- BIOL 2214 Human Physiology*[<]
- CHEM 1415 General College Chemistry II*
- MATH 1613 Trigonometry
- —3 hrs. Humanities (VI B) **15 hrs.**

- Total Credit Hours 65 hrs.**

- CHEM 3114 Organic Chemistry I
- Choose One: EHS 3703, MATH 1223, **OR** SOC 3833
- PHYS 1214 Physics II
- —4 hrs. Upper Level Elective **15 hrs.**

- BIOL 3434 Genetics
- MATH 2825 Calculus
- BIOL 1214 General Botany
- —3 hrs. Required Mole Biol Elective **16 hrs.**

- BIOL 2344 General Microbiology
- BIOL 4313 Cell & Molecular Biology
- CHEM 4213 Biochemistry
- CHEM 4221 Biochemistry Lab
- —3 hrs. Required Mole Biol Elective **13 hrs.**

- BIOL 4545 Advanced Molecular Biology
- BIOL 4881 Biology Senior Seminar
- BIOL—3 Required Molecular Biology Elective
- BIOL 3103 Research Methods & Bioethics
- —4 hrs. Upper Level Elective **16 hrs.**

- Total Credit Hours 60 hrs.**

*Please see chart on second page for course equivalencies



YOUR FUTURE - YOUR CHOICE



Course Equivalency Table

Eastern Oklahoma State College	East Central University
BIOL 1114 General Biology	BIOL 1114 General Biology
BIOL 2114 Human Anatomy	BIOL 2184 Human Anatomy
BIOL 2214 Human Physiology<	BIOL 3634 Human Physiology
CHEM 1315 General College Chemistry I	CHEM 1114 General Chemistry I
CHEM 1415 General College Chemistry II	CHEM 1214 General Chemistry II
MATH 1513 College Algebra	MATH 1513 College Algebra
MATH 1613 Trigonometry	MATH 1713 Trigonometry
PHY 1114 General Physics I	PHYS 1114 General Physics I
ZOO 1114 General Zoology	BIOL 1314 General Zoology

< Will transfer as course content but not for upper level credit: Student should meet with an ECU advisor for more information.

NOTES:

- ⇒ Articulated using EOSC's A.S. for Life Science and without a Minor. A Minor is not required.
- ⇒ A student transferring with an Associate degree in Arts or Science from EOSC fulfills ECU's general education requirement by transferring his or her credit to East Central University. Transferring credit for general education does not eliminate or otherwise affect any of the following ECU requirements: (1) prerequisites; (2) specific requirements in majors, minors, or related work in these areas; or (3) the requirements for teacher certification. General Education equivalencies can be found by referring to either the Oklahoma State Regents Transfer Matrix or the ECU Transfer Matrix. Both matrices can be found at www.ecok.edu by clicking on *Admissions* and scrolling down to *Course Transfer Matrix*.
- ⇒ A student must earn at least 40 semester hours in upper-division courses (numbered 3000 or higher). A course taught at EOSC may equate in content to an ECU 3000-4000 level course, but it will not be counted as part of the 40 hours of upper level courses.
- ⇒ A student must earn at least 60 semester hours, excluding physical activity courses, at a baccalaureate degree granting institution.
- ⇒ A Student must earn at least 124 credit hours that apply to an ECU Bachelor's degree.