

East Central University/Eastern Oklahoma State College Articulation Agreement

Bachelor of Science: Biology

Molecular Biology Concentration Catalog Year 2017-2018

Associate of Arts—Life Science

<input type="checkbox"/> OLS 1111 Orientation and Library Science	
<input type="checkbox"/> ENGL 1113 Freshman Composition I	
<input type="checkbox"/> POL SC 1113 American Federal Government	
<input type="checkbox"/> ZOO 1114 General Zoology	
<input type="checkbox"/> SPCH 1113 Fundamentals of Speech OR SPCH 2233 Business & Professional Speech	
<input type="checkbox"/> MATH 1513 College Algebra*	17
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<input type="checkbox"/> ENGL 1213 Freshman Composition II	
<input type="checkbox"/> CHEM 1315 General College Chemistry I*	
<input type="checkbox"/> HIST 1483 American History to 1877 OR HIST 1493 American History since 1877	
<input type="checkbox"/> CIS 1113 Computer Applications	
<input type="checkbox"/> BIOL 2114 Human Anatomy* 18	
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<input type="checkbox"/> PHY 1114 General Physics I*	
<input type="checkbox"/> BIOL 2155 Microbiology*	
<input type="checkbox"/> PSY 1113 Introduction to Psychology	
<input type="checkbox"/> —3 Humanities (VI A)	15
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<input type="checkbox"/> BIOL 2214 Human Physiology*	
<input type="checkbox"/> CHEM 1415 General College Chemistry II*	
<input type="checkbox"/> —3 Humanities (VI B)	
<input type="checkbox"/> MATH 1613 Trigonometry*	15
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Total Credit Hours	65

* please see chart on second page
for course equivalencies



Bachelor of Science—Biology

<input type="checkbox"/> CHEM 3114 Organic Chemistry I	
<input type="checkbox"/> BIOL 1114 General Biology	
<input type="checkbox"/> Choose One: EHS 3703, MATH 2213, OR SOC 3833	
<input type="checkbox"/> PHYS 1214 Physics II	15
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<input type="checkbox"/> BIOL 3434 Genetics	
<input type="checkbox"/> BIOL—3 Required Molecular Biology Elective	
<input type="checkbox"/> MATH 2825 Calculus	
<input type="checkbox"/> Biol 1214 General Botany	16
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<input type="checkbox"/> BIOL—3 Required Molecular Biology Elective	
<input type="checkbox"/> BIOL 4313 Cell & Molecular Biology	
<input type="checkbox"/> CHEM 4213 Biochemistry	
<input type="checkbox"/> CHEM 4221 Biochemistry Lab	
<input type="checkbox"/> —3 Elective	13
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<input type="checkbox"/> BIOL 4545 Advanced Molecular Biology	
<input type="checkbox"/> BIOL 4881 Biology Senior Seminar	
<input type="checkbox"/> BIOL—3 Required Molecular Biology Elective	
<input type="checkbox"/> BIOL 3103 Research Methods & Bioethics	
<input type="checkbox"/> —4 Upper Level Elective	16
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Total Credit Hours	60



Total Credit Hours Taken:	125
Total Credit Hours Applied to BS Degree:	124

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Molecular Biology Concentration

Course Equivalency Table

Eastern Oklahoma State College	East Central University
ZOO 1114 General Zoology	BIOL 1314 General Zoology
MATH 1513 College Algebra	MATH 1513 College Algebra
MATH 1613 Trigonometry	MATH 1713 Trigonometry
CHEM 1315 General College Chemistry I	CHEM 1114 General Chemistry I
CHEM 1415 General College Chemistry II	CHEM 1214 General Chemistry II
PHY 1114 General Physics I	PHYS 1114 General Physics I
BIOL 2114 Human Anatomy	BIOL 2184 Human Anatomy
BIOL 2155 Microbiology	BIOL 2345 General Microbiology
BIOL 2214 Human Physiology**	BIOL 3634 Human Physiology

Articulated using EOSC's A.S. in Life Science-General Life Science Concentration.

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 *Academics* and scrolling down to *Course Transfer Matrix*.

Articulated without a minor. A Minor is not required

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

NOTES:

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.

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.