

East Central University/Seminole State College Articulation Agreement

Bachelor of Science : Biology

Molecular Biology Concentration Catalog Year 2017-2018

Associate in Science—Biology

- SOC 1101 Freshman Seminar
 - ENG 1113 Composition I
 - BIOL 1214 Principles of Biology
 - MATH 1513 Pre-Calculus*
 - HPER 1012 Wellness and Human Development
 - CAP 1103 Introduction to Computer 16
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- BIOL 1234 General Zoology*
 - PHYS 2114 General Physics I*
 - ENG 1213 Composition II
 - HIST 1483 American History Survey To 1877 **OR**
HIST 1493 American History Survey Since 1877
 - GOV 1113 American National Government 17
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- BIOL 1224 General Botany*
 - CHEM 1315 General Chemistry I
 - SPCH 1143 Speech
 - 3 Humanities Elective 15
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- BIOL 2114 Human Anatomy*
 - CHEM 1515 General Chemistry II *
 - BIOL 2224 Microbiology*
 - 3 Humanities Elective 16
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Total Credit Hours 64

* please see chart on second page
for course equivalencies



Bachelor of Science—Biology

- 3 Humanities Elective
 - PHYS 1214 Physics II
 - BIOL —3 Required Molecular Biology Elective
 - Choose One: EHS 3703, MATH 2213, **OR** SOC 3833
 - BIOL 3634 Human Physiology 17
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- BIOL —3 Required Molecular Biology Elective
 - BIOL 3434 Genetics
 - CHEM 3114 Organic Chemistry I
 - 3 Humanities Elective
 - 1 Required Elective 15
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- BIOL 4313 Cell & Molecular Biology
 - CHEM 4213 Biochemistry
 - CHEM 4221 Biochemistry Lab
 - Math 2825 Calculus
 - 3 Humanities Elective 15
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- BIOL 4545 Advanced Molecular Biology
 - BIOL 4881 Biology Senior Seminar
 - BIOL 3013 Research Methods and Bioethics
 - BIOL—3 Required Molecular Biology Elective
 - 3 Required Molecular Biology Elective 15
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Total Credit Hours 62



Total Credit Hours Taken: 126
Total Credit Hours Applied to BS Degree: 124

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Bachelor of Science: Biology—Molecular Biology

Course Equivalency Table

Seminole State College	East Central University
BIOL 1214 Principles of Biology	BIOL 1114 General Biology
MATH 1513 Pre-Calculus	MATH 1513 College Algebra
BIOL 1224 General Botany	BIOL 1214 General Botany
BIOL 1234 General Zoology	BIOL 1314 General Zoology
CHEM 1315 General Chemistry I	CHEM 1114 General Chemistry I
CHEM 1515 General Chemistry II	CHEM 1214 General Chemistry II
BIOL 2114 Human Anatomy	BIOL 2184 Human Anatomy
BIOL 2224 Microbiology	BIOL 2345 General Microbiology
PHYS 2214 General Physics I	PHYS 1114 General Physics I

Articulated using SSC's A.S. Biology.

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. No Minor 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 SSC 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 SSC 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.