

**Transfer
with
Ease**

Articulation Agreement

BACHELOR OF SCIENCE: BIOLOGY

Molecular Catalog Year 2022 - 2023

Seminole State College

East Central University

Associate in Science-Biology

Bachelor of Science—Biology

- BIOL 1214 Principles of Biology
- CAP 1103 Introduction to Microsoft Office
- ENG 1113 Composition I
- HPER 1012 Wellness and Human Development
- MATH 1523 Pre-Calculus for Bus-Biology
- STSC Learning Strategies 17 hrs.

- BIOL 1234 General Zoology*
- ENG 1213 Composition II
- GOV 1113 American National Government
- HIST 1483 American History Survey To 1877 OR
HIST 1493 American History Survey Since 1877
- PHYS 2114 General Physics I 16 hrs.

- BIOL 1224 General Botany*
- CHEM 1315 General Chemistry I*
- SPCH 1143 Speech
- ---3 hrs. Humanities 16 hrs.

- BIOL 2114 Human Anatomy*
- BIOL 2224 Microbiology*
- CHEM 1515 General Chemistry II*
- ---3 hrs. Humanities Elective 17 hrs.

- Total Credit Hours 65 hrs.**

- PHYS 1214 Physics II
- Choose One: EHS 3703, MATH 2213, OR SOC 3833
- BIOL 3634 Human Physiology
- ---3 hrs. Elective
- ---3 hrs. Humanities Elective 17 hrs.

- BIOL 3434 Genetics
- BIOL ---6 Required Molecular Biology Elective
- CHEM 3114 Organic Chemistry I
- ---1 hrs. Required Elective 15 hrs.

- BIOL 4313 Cell & Molecular Biology
- CHEM 4213 Biochemistry
- CHEM 4221 Biochemistry Lab
- Math 2825 Calculus
- ---3 hrs. Humanities Elective 15 hrs.

- BIOL 4545 Advanced Molecular Biology
- BIOL 4881 Biology Senior Seminar
- BIOL 3013 Research Methods and Bioethics
- BIOL---3 hrs. Required Molecular Bio Elective
- ---3 hrs. Elective 15 hrs.

- Total Credit Hours 62 hrs.**

* Please, see chart on second page
for course equivalencies



YOUR FUTURE - YOUR CHOICE



Course Equivalency Table

Seminole State College	East Central University
BIOL 1214 Principles of Biology	BIOL 1114 General Biology
BIOL 1224 General Botany	BIOL 1214 General Botany
BIOL 1234 General Zoology	BIOL 1314 General Zoology
BIOL 2114 Human Anatomy	BIOL 2184 Human Anatomy
BIOL 2224 Microbiology	BIOL 2344 General Microbiology
CHEM 1315 General Chemistry I	CHEM 1114 General Chemistry I
CHEM 1515 General Chemistry II	CHEM 1214 General Chemistry II
MATH 1523 Pre-Calculus for Bus-Biology	MATH 1653 Mathematics for Biological Science
PHYS 2114 General Physics I	PHYS 1114 General Physics I

NOTES:

- ⇒ Articulated using SSC'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 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. 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 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.
- ⇒ A Student must earn at least 124 credit hours that apply to an ECU Bachelor's degree.