

**Transfer  
with  
Ease**

# Articulation Agreement

## BACHELOR OF SCIENCE: BIOLOGY

### Clinical Laboratory Scientist 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 1002 Learning Strategies 17 hrs.
  
- BIOL 1224 General Botany\*
- ENG 1213 Composition II
- HIST 1483 American History Survey To 1877 OR  
HIST 1493 American History Survey Since 1877
- —6 hrs. Humanities Elective 16 hrs.
  
- BIOL 1234 General Zoology\*
- BIOL 2114 Human Anatomy\*
- CHEM 1315 General Chemistry I\*
- SPCH 1143 Speech 16 hrs.
  
- BIOL 2224 Microbiology\*
- CHEM 1515 General Chemistry II\*
- GOV 1113 American National Government
- —3 hrs. Required Elective
- —3 hrs. Humanities Elective 17 hrs.

**Total Credit Hours** 62 hrs.

\* Please, see chart on second page  
for course equivalencies

- Summer**
- CHEM 3114 Organic Chemistry I 4 hrs.
  
  - BIOL 3654 Histology
  - CHEM 4213 Biochemistry
  - CHEM 4221 Biochemistry Lab
  - —4 hrs. Elective 12 hrs.
  
  - BIOL 3434 Genetics
  - BIOL 3683 Immunology
  - BIOL 3634 Human Physiology
  - BIOL 4881 Biology Senior Seminar
  - —4 hrs. Elective 16 hrs.
  
  - MEDTE 4117 Clinical Microbiology
  - MEDTE 4125 Clinical Chemistry I 12 hrs.
  
  - MEDTE 4236 Clinical Hematology
  - MEDTE 4246 Clinical Immunology/  
Immunohematology 12 hrs.
  

**Summer**

  - MEDTE 4325 Clinical Chemistry II
  - MEDTE 4351 Topics in Med Tech 6 hrs.

**Total Credit Hours** 62 hrs.



**YOUR FUTURE - YOUR CHOICE**



## Course Equivalency Table

| Seminole State College                 | East Central University                      |
|--|--|
| BIOL 1214 Principles of Biology        | BIOL 1114 General Biology                    |
| BIOL 1234 General Zoology              | BIOL 1314 General Zoology                    |
| BIO 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](http://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.