Transfer With

Articulation Agreement

BACHELOR OF SCIENCE: CHEMISTRY

Catalog Year 2022 - 2023

Seminole State College

East Central University

Bachelor of Science-Chemistry

Associate in Arts in Liberal Studies Physical Sciences Emphasis

- ENG 1113 Composition I
- HIST 1483 American History Survey To 1877 OR
 HIST 1493 American History Survey Since 1877
- MATH 1513 Pre-Calculus*(Eng.-Phys.-CS)
- PHYS1114 General Physical Science
- SOC 1101 Freshman Seminar
- —3 hrs. Humanities Elective

17 hrs.

- CAP 1103 Introduction to Microsoft Office
- ENG 1213 Composition II
- GOV 1113 American National Government
- BIOL 1214 Principles of Biology
- MATH 1613 Plane Trigonometry*

16 hrs.

- CHEM 1315 General Chemistry I*
- HPER 1012 Wellness and Human Development
- MATH 2215 Calculus and Analytic Geometry I*
- SPCH 1143 Speech

15 hrs.

- CHEM 1515 General Chemistry II*
- PHYS 2114 General Physics I*
- —3 hrs. Humanities Elective
- -3 hrs. Required Elective

15 hrs.

Total Credit Hours

63 hrs.

* Please, see chart on second page for course equivalencies

- CHEM 3114 Organic Chemistry I
- PHYS 1214 General Physics II
- MATH 3025 Calculus and Analytic Geometry II
- —3 hrs. Minor or Upper Level Elect

16 hrs.

- CHEM 3484 Instrumental Analysis
- CHEM 3214 Quantitative Analysis I
- CHEM 4114 Organic Chemistry II
- —3 hrs. Required Chemistry Elective
- CHEM 4514 Physical Chemistry I
- CHEM 4213 Biochemistry
- —8 hrs. Minor or Upper Level Elect

15 hrs.

15 hrs.

- CHEM 4413 Advanced Inorganic Chemistry
- 4 hrs. Minor or Upper Level Elective
- —4 hrs. Minor or Upper Level Elective
- -4 hrs. Minor or Upper Level Elect 15 hrs.

Total Credit Hours 61 hrs.





Course Equivalency Table

Seminole State College	East Central University
MATH 1513 Pre-Calculus	MATH 1513 College Algebra
MATH 1613 Plane Trigonometry	MATH 1713 Trigonometry
CHEM 1315 General Chemistry I	CHEM 1114 General Chemistry I
CHEM 1515 General Chemistry II	CHEM 1214 General Chemistry II
PHYS 2114 General Physics I	PHYS 1114 General Physics I
MATH 2215 Calculus and Analytic Geometry I	MATH 2825 Calculus & Analytic Geometry I

NOTES:

- ⇒ Articulated using SSC's A.S. for Life Science and without a Minor. A Minor is not required.
- ⇒ Course schedules:
 - PHY 2014 Engineering Physics I and PHY 2114 Engineering Physics II maybe taken in place of PHY 1114 and PHY 1214
 - CHEM 3484 Instrumental Analysis is only offered in the Spring semester on even years.
 - CHEM 4413 Advanced Inorganic Chemistry is only offered in the Spring Semester on odd years.
 - CHEM 3214 Quantitative Analysis I is offered every Spring
 - CHEM 4514 is ONLY offered in the Fall of even numbered years.
 - CHEM 4213 Biochemistry is offered every Fall.
- ⇒ 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 <u>at least 60 semester hours</u>, 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.