



Articulation Agreement

BACHELOR OF SCIENCE: CHEMISTRY

Teacher Certification Catalog Year 2022 - 2023

Seminole State College

East Central University

Associate in Science in Secondary Education— Chemistry Teacher Emphasis

- SOC 1101 Freshman Seminar
- ENG 1113 Composition I
- HIST 1483 American History Survey To 1877 OR
HIST 1493 American History Survey Since 1877
- PHYS 1114 General Physical Science
- MATH 1513 Pre-Calculus*(Eng.-Phys-CS)
- —3 hrs. Humanities Elective 17 hrs.

- ENG 1213 Composition II
- GOV 1113 American National Government
- PSY 1113 General Psychology*
- BIOL 1214 Principles of Biology
- PHYS 2114 General Physics I* 16 hrs.

- HPER 1012 Wellness and Human Development
- CHEM 1315 General Chemistry I*
- PHYS 2224 General Physics II*
- SPCH 1143 Speech
- PSY 2023 Developmental Psychology 17 hrs.

- CHEM 1515 General Chemistry II*
- BIOL 1234 General Zoology*
- CAP 1103 Introduction to Microsoft Office
- —3 hrs. Humanities Elective 15 hrs.

Total Credit Hours 65 hrs.

Courses Below completed at Seminole State through ECU and hours counted in the ECU Total Credit hours.

- EDUC 2012 Diversity in American Education
- EDUC 2211 Field Experience I
- EDUC 2402 Survey of Exceptional Child

* Please, see chart on second page for course equivalencies

Bachelor of Science—Chemistry

- CHEM 3114 Organic Chemistry I
- BIOL 2184 Human Anatomy
- EDUC 2631 Foundations of Educ Tech
- PHYS 1314 Astronomy 18 hrs.

- BIOL 3634 Human Physiology
- CHEM 3214 Quantitative Analysis I
- CHEM 4114 Organic Chemistry II
- EDPSY 3513 Educational Psychology EDUC 3001
Field Experience II
- EDUC 4632 Educational Technology 18 hrs.

- Summer Semester**
- GEOG 1214 Earth Science 4 hrs.

- BIOL 1214 General Botany
- B/C/P 4113 Methods of Teaching Biological/Physical
Sciences
- EDUC 4043 Strategies for Effective Teaching
- EDUC 4611 Field Experience III
- —4 hrs. Required CHEM Elective
- —3 hrs. Required CHEM Elective 18 hrs.

- EDUC 4262 Student Teaching Seminar I
- EDUC 4282 Student Teaching Seminar II
- EDUC 4974 Student Teaching
- EDUC 4974 Student Teaching 12 hrs.

Hours taken at Seminole State 5 hrs.

Total Credit Hours 75 hrs.



YOUR FUTURE - YOUR CHOICE



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

CHEM 4213 Biochemistry not required for Teacher Certification, but recommended as an elective.

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.