

**Transfer
with
Ease**

Articulation Agreement

BACHELOR OF SCIENCE: PHYSICS

Teacher Certification Catalog Year 2019 - 2020

Seminole State College

East Central University

Associate in Arts in Liberal Sciences Physics Education

Bachelor of Science—Physics

- ENG 1113 Composition I
- ENGR 1113 Intro to Engineering
- MATH 1513 Pre-Calculus* (Eng.—Physics)
- MATH 1613 Plane Trigonometry*
- STSC 1002 Learning Strategies
- —3 hrs. Humanities Elective 17 hrs.

- ENG 1213 Composition II
- GOV 1113 American National Government
- MATH 2215 Calculus and Analytic Geometry I*
- PHYS 2114 General Physics I*
- PHYS 2211 Calculus Based Physics I* 16 hrs.

- HIST 1483 American History To 1877 OR
HIST 1493 American History Since 1877
- MATH 2424 Calculus and Analytic Geometry II * <
- PHYS 2224 General Physics II*
- PHYS 2231 Calculus Based Physics II*
- SPCH 1143 Speech*
- —3 hrs. Humanities Elective 18 hrs.

- BIOL 1214 Principles of Biology
- CAP 1103 Introduction to Microsoft Office
- CHEM 1315 General Chemistry I*
- HPER 1012 Wellness and Human Development
- PSY 1113 General Psychology* 17 hrs.

- Total Credit Hours** **68 hrs.**

- CHEM 1214 General Chemistry II
- EDUC 2631 Foundations of Educational Technology
- GEOG 1214 Earth Science
- PHYS 3013 Modern Physics
- PHYS 3412 Junior Physics Laboratory
- PSYCH 3463 Child & Adolescent Psych 17 hrs.

- EDUC 3001 Field Experience II
- EDPSY 3513 Educational Psychology
- PHYS 3113 Mechanics I
- PHYS 1314 Astronomy
- —2 Required Physics Elective
- —3 Chemistry Elective 16 hrs.

- B/C/P 4113 Methods Teach Biological/Physical Sciences
- EDUC 4043 Strategies for Effective Teaching
- EDUC 4611 Field Experience III
- EDUC 4632 Educational Technology Integration Strategies
- PHYS 4113 Electricity & Magnetism - Field Theory
- —4 hrs. Chemistry Elective 16 hrs.

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

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

- Hours completed at Seminole State 5 hrs.
- Total Credit Hours** **66 hrs.**

- EDUC 2012 Foundations of Education
- EDUC 2211 Field Experience I
- EDUC 2402 Survey of Exceptional Children

* 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
CHEM 1315 General Chemistry I	CHEM 1114 General Chemistry I
CAP 1103 Introduction to Microsoft Office	CMPSC 1513 Computer Literacy
MATH 1513 Pre-Calculus	MATH 1513 College Algebra
MATH 1613 Plane Trigonometry	MATH 1713 Trigonometry
MATH 2215 Calculus and Analytic Geometry I	MATH 2825 Calculus and Analytic Geometry I
MATH 2424 Calculus and Analytic Geometry II <	MATH 3025 Calculus and Analytic Geometry II
PHYS 2114 General Physics I PHYS 2211 Calculus Based Physics II	PHYS 2115 Engineering Physics I
PHYS 2224 General Physics II PHYS 2231 Calculus Based Physics II	PHYS 2225 Engineering Physics II
PSY 1113 General Psychology	PSYCH 1113 General Psychology
SPCH 1143 Speech	COMM 1113 Fund. of Human Communication

< Will transfer as course content but not for upper level credit: Student should meet with an ECU advisor for more information.

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.