

East Central University/Eastern Oklahoma State College Articulation Agreement

Bachelor of Science: Physics Teacher Certification Concentration

Catalog Year 2014-2015

| Associate of Arts—Physical Science | Bachelor of Science—Physics |
|--|--|
| <input type="checkbox"/> OLS 1111 Orientation and Library Science | <input type="checkbox"/> PHYS 3411 Junior Physics Laboratory |
| <input type="checkbox"/> ENGL 1113 Freshman Composition I | <input type="checkbox"/> PHYS 3013 Modern Physics |
| <input type="checkbox"/> POL SC 1113 American Federal Government | <input type="checkbox"/> PHYS 1314 Astronomy |
| <input type="checkbox"/> ZOO 1114 General Zoology OR BOT 1114 General Botany* | <input type="checkbox"/> PSYCH 3463 Child & Adolescent Psychology |
| <input type="checkbox"/> SPCH 2233 Business & Professional Speaking* | <input type="checkbox"/> EDUC 2402 Survey of Exceptional Children |
| <input type="checkbox"/> MATH 1513 College Algebra* 17 | <input type="checkbox"/> EDUC 2012 Foundations of Education |
| <hr/> | <input type="checkbox"/> EDUC 2211 Field Experience I 16 |
| <input type="checkbox"/> ENGL 1213 Freshman Composition II | <input type="checkbox"/> PHYS 3113 Mechanics I |
| <input type="checkbox"/> CHEM 1315 General College Chemistry I* | <input type="checkbox"/> —3 Chemistry Elective |
| <input type="checkbox"/> HIST 1483 American History to 1877 OR HIST 1493 American History since 1877 | <input type="checkbox"/> —3 Required Physics Elective |
| <input type="checkbox"/> MATH 1613 Trigonometry* | <input type="checkbox"/> EDUC 3001 Field Experience II |
| <input type="checkbox"/> PHY 2014 Engineering Physics I* 18 | <input type="checkbox"/> EDUC 3513 Educational Psychology |
| <hr/> | <input type="checkbox"/> EDUC 4632 Educational Technology |
| <input type="checkbox"/> MATH 2235 Calculus I* | <input type="checkbox"/> —1 Elective 16 |
| <input type="checkbox"/> CHEM 1415 General College Chemistry II* | <input type="checkbox"/> EDUC 4043 Strategies for Effective Teaching |
| <input type="checkbox"/> CIS 1113 Computer Applications | <input type="checkbox"/> EDUC 4611 Field Experience III |
| <input type="checkbox"/> PSY 1113 Introduction to Psychology* 16 | <input type="checkbox"/> PHYS 4113 Electricity & Magnetism - Field Theory |
| <hr/> | <input type="checkbox"/> B/C/P 4113 Methods of Teaching Biological/Physical Science |
| <input type="checkbox"/> MATH 2245 Calculus II* | <input type="checkbox"/> —4 Chemistry Elective |
| <input type="checkbox"/> —3 Humanities (VI B) | <input type="checkbox"/> GEOG 1214 Earth Science 18 |
| <input type="checkbox"/> PHY 2114 Engineering Physics II* | <input type="checkbox"/> EDUC 4262 Student Teaching Seminar |
| <input type="checkbox"/> —3 Humanities (VI A) | <input type="checkbox"/> EDUC 4975 Supervised Student Teaching |
| <input type="checkbox"/> SPAN 1115 Elementary Spanish I 20 | <input type="checkbox"/> EDUC 4975 Supervised Student Teaching 12 |
| <hr/> | <hr/> |
| Total Credit Hours 71 | Total Credit Hours 62 |

* please see chart on second page for course equivalencies



Total Credit Hours Required for BS Degree: 133
Total Credit Hours Applies to BS Degree: 133

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Bachelor of Science: Physics

Teacher Certification Concentration

Course Equivalency Table

| Eastern Oklahoma State College | East Central University |
|--|---|
| MATH 1513 College Algebra | MATH 1513 College Algebra |
| CHEM 1315 General College Chemistry I | CHEM 1114 General Chemistry I |
| PHY 2014 Engineering Physics I | PHYS 2115 Engineering Physics I |
| PHY 2114 Engineering Physics II | PHYS 2225 Engineering Physics II |
| CHEM 1415 General College Chemistry II | CHEM 1214 General Chemistry II |
| MATH 1613 Trigonometry | MATH 1713 Trigonometry |
| MATH 2235 Calculus I | MATH 2825 Calculus & Analytic Geometry I |
| MATH 2245 Calculus II** | MATH 3025 Calculus & Analytic Geometry II |
| ZOO 1114 General Zoology | BIOL 1314 General Zoology |
| BOT 1114 General Botany | BIOL 1214 General Botany |
| SPCH 1113 Fundamentals of Speech | COMM 1113 Fundamentals of Human Communication |
| PSY 1113 Introduction to Psychology | PSYCH 1113 General Psychology |

Articulated using EOSC's A.S. in Physical Science.

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 *Academics* and scrolling down to *Course Transfer Matrix*.

Articulated with a minor in Professional Education. This minor is required by the Teacher Certification Concentration, please see an advisor for appropriate courses.

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

NOTES:

A student transferring with an Associate degree in Arts or Science from EOSC 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.

A student must earn at least 40 semester hours in upper-division courses (numbered 3000 or higher). A course taught at EOSC 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.

SERVICE LEARNING GRADUATION REQUIREMENT

Effective Fall 2007, first-time transfer students starting at East Central University, who have completed **less than 64 hours**, will be required to do at least 30 hours of service learning by completing at least **two** service learning designated classes prior to their graduation. Those students transferring to ECU who have completed **64 or more hours** will be required to do only 15 hours of service learning by completing at least **one** service learning designated course.