

**Transfer  
with  
Ease**

# Articulation Agreement

## BACHELOR OF SCIENCE: BIOLOGY

### Teacher Certification Catalog Year 2022 - 2023

#### Murray State College

#### East Central University

##### Associate of Science—Science

##### Bachelor of Science—Biology

- BIO 1114 General Biological Science\*
- COL 1211 Academic Success
- ENG 1113 English Comp I
- HST 1483 U.S. History to 1865 **OR**  
HST 1493 U.S. History since 1865
- HWP 1112 Personal Health
- MTH 1513 Pre Calculus\* 16 hrs.
  
- AP 2124 Anatomy and Physiology I\*
- CHM 1114 General Chemistry I\*
- CIS 1113 Computer Applications
- ENG 1213 English Comp II
- —3 hrs. Art Elective 17 hrs.
  
- AP 2134 Anatomy and Physiology II \* <
- CHM 1214 General Chemistry II\*
- PSY 1113 Intro to Psychology\*
- ZOO 1114 General Zoology\* 15 hrs.
  
- BOT 1114 General Botany\*
- GVT 1113 American Federal Government
- PHY 1114 Physics I\*
- SPC 1113 Fundamentals of Speech\*
- —3 hrs. Humanities Elective 17 hrs.
  
- Total Credit Hours** **65 hrs.**

- EDUC 2012 Diversity in American Education
- EDUC 2211 Field Experience I
- EDUC 2402 Survey of Exceptional Children
- EDUC 2631 Foundations of Ed Technology
- PHYS 1214 General Physics II
- PSYCH 3463 Child & Adolescent Psychology
- —3 hrs. Foreign Lang or 2 yrs. at HS 16 hrs.
  
- BIOL 4414 Ecology
- —4 CHEM Elective (Choose One 3114, OR 3214)
- EDPSY 3513 Educational Psychology
- EDUC 3001 Field Experience II
- PHYS 1314 Astronomy 16 hrs.
  
- Summer—RECOMMENDED**
- GEOL 1114 Introduction to Geology 4 hrs.
  
- B/C/P 4113 Methods of Teach BIOL/Phys Science
- BIOL 3434 Genetics
- EDUC 4042 Strategies for Effective Teaching
- EDUC 4611 Field Experience III
- EDUC 4632 Ed Technology Integrated Strategies
- —3 hrs. Req. BIOL Upper Level Elective (above 1314, not 4881) 15 hrs.
  
- EDUC 4262 Student Teaching Seminar I
- EDUC 4282 Student Teaching Seminar II
- EDUC 4974 Student Teaching
- EDUC 4974 Student Teaching 12 hrs.

**Total Credit Hours** **63 hrs.**

\* Please see chart on second page for course equivalencies



**YOUR FUTURE - YOUR CHOICE**



# Course Equivalency Table

Murray State College	East Central University
AP 2124 Anatomy and Physiology I	BIOL 2184 Human Anatomy
AP 2134 Anatomy and Physiology II <	BIOL 3634 Human Physiology
BIO 1114 General Biological Sciences	BIOL 1114 General Biology
BOT 1114 General Botany	BIOL 1214 General Botany
CHM 1114 Gen Chemistry I	CHEM 1114 General Chemistry I
CHM 1214 Gen Chemistry II	CHEM 1214 General Chemistry II
MTH 1513 Pre Calculus	MATH 1513 College Algebra
PHY 1114 General Physics I	PHYS 1114 General Physics I
PSY 1113 Introductory Psychology	PSYCH 1113 General Psychology
SPC 1113 Fundamentals of Speech	COMM 1113 Fundamentals of Human Communication
ZOO 1114 General Zoology	BIOL 1314 General Zoology

## NOTES:

- ⇒ Articulated using MSC's A.S. in Science and without a Minor. A Minor is not required.
- ⇒ < Will transfer as course content but not for upper level credit: Student should meet with an ECU advisor for more information.
- ⇒ A student transferring with an Associate degree in Arts or Science from MSC 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 MSC 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.