

Transfer  
with  
Ease

# Articulation Agreement

## BACHELOR OF SCIENCE: CHEMISTRY

### Teacher Certification Catalog Year 2022- 2023

#### Murray State College

#### East Central University

##### Associate of Science—Chemistry

##### Bachelor of Science—Chemistry

- COL 1211 Academic Success
- ENG 1113 English Comp I
- HST 1483 U.S. History to 1865 **OR**  
HST 1493 U.S. History since 1865
- MTH 1513 Pre Calculus\*
- CIS 1113 Computer Applications
- BIO 1114 General Biological Science **17 hrs.**
  
- ENG 1213 English Comp II
- ZOO 1114 General Zoology\*
- HWP 1112 Personal Health
- SCI 2224 Earth, Space, & Environmental Science\*
- —3 hrs. Humanities Elective **16 hrs.**
  
- PHY 1114 Physics I\*
- BOT 1114 General Botany\*
- CHM 1114 Gen Chemistry I\*
- —3 hrs. Humanities or Art Elective **15 hrs.**
  
- PHY 1214 General Physics II\*
- CHM 1214 General Chemistry II\*
- GVT 1113 American Federal Government
- SPC 1113 Fundamentals of Speech\*
- PSY 1113 Intro to Psychology\* **17 hrs.**
  
- Total Credit Hours 65 hrs.**

- CHEM 3114 Organic Chemistry I
- BIOL 2184 Human Anatomy
- EDUC 2012 Diversity in American Education
- EDUC 2211 Field Experience I
- EDUC 2402 Survey of Exceptional Children
- EDUC 2613 Foundation of Education Technology
- PSYCH 3463 Child & Adolescent Psych **19 hrs.**
  
- CHEM 4114 Organic Chemistry II
- CHEM 3214 Quantitative Analysis I
- CHEM —4 Required Chemistry Elective
- B/C/P 4113 Methods Teach Biological/Physical Science
- EDPSY 3513 Educational Psychology
- EDUC 3001 Field Experience II **18 hrs.**
  
- CHEM —3 Required Chemistry Elective  
(CHEM 4213 recommended)
- BIOL 3634 Human Physiology
- PHYS 1314 Astronomy
- EDUC 4043 Strategies for Effective Teaching
- EDUC 4611 Field Experience III
- EDUC 4632 Ed Tech Integration Strat **17 hrs.**
  
- EDUC 4262 Student Teaching Seminar I
- EDUC 4282 Student Teaching Seminar II
- EDUC 4974 Student Teaching
- EDUC 4974 Student Teaching **12hrs.**

**Total Credit Hours 66 hrs.**

\* Please see chart on second page  
for course equivalencies



YOUR FUTURE - YOUR CHOICE



# Course Equivalency Table

Murray State College	East Central University
CHM 1114 Gen Chemistry I	CHEM 1114 General Chemistry I
CHM 1214 Gen Chemistry II	CHEM 1214 General Chemistry II
ZOO 1114 General Zoology	BIOL 1314 General Zoology
BOT 1114 General Botany	BIOL 1214 General Botany
SCI 2224 Earth, Space, & Environmental Science	GEOG 1214 Earth Science
PSY 1113 Intro Psychology	PSYCH 1113 General Psychology
PHY 1114 General Physics I	PHYS 1114 General Physics I
PHY 1214 General Physics II	PHYS 1214 General Physics II
MTH 1513 Pre Calculus	MATH 1513 College Algebra
SPC 1113 Fundamentals of Speech	COMM 1113 Fundamentals of Human Communication

## NOTES:

- ⇒ Articulated using MSC's A.S. in Science Chemistry and without a Minor. A Minor is not required.
- ⇒ 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.
- ⇒ A Student must earn at least 124 credit hours that apply to an ECU Bachelor's degree.