

Articulation Agreement

BACHELOR OF SCIENCE: CHEMISTRY

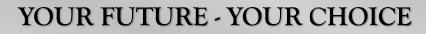
Biochemistry Catalog Year 2019 - 2020

Murray State College

East Central University

within other conesc			Bust Centrul Chiversity	
	Associate of Science—Chemistr	·y	Bachelor of Science—Chemistry	
 ENG 11 HST 14 HST MTH 15 CIS 111 BIO 111 ENG 12 GVT 11 HWP 15 MTH 16 	11 Academic Success 13 English Comp I 13 U.S. History to 1865 OR Γ 1493 U.S. History since 1865 13 College Algebra* 3 Computer Applications 4 General Biological Science 13 English Comp II 13 American Federal Government 112 Personal Health 113 Plane Trigonometry* Humanities Elective	17 hrs. 15 hrs.	 BIOL 1314 General Zoology OR BIOL 2344 Microbiology BIOL 2184 Anatomy CHEM 3114 Organic Chemistry I PHYS 1214 General Physics II BIOL 3634 Human Physiology BIOL 4313 Cell and Molecular Biology CHEM 3214 Quantitative Analysis I CHEM 4114 Organic Chemistry II CHEM 4514 Physical Chemistry I CHEM 4213 Biochemistry CHEM 4221 Biochemistry 	16 hrs. 15 hrs.
CHM 1MTH 22—3 hrs.	14 Physics I* 114 Gen Chemistry I* 215 Calculus I w/ Analytic Geometr Humanities or Art Elective	y* 16 hrs.	 CHEM 4221 Biochemistry Lab CHEM 4413 Advanced Inorganic Chemistry —4 hrs. Elective BIOL 4545 Advanced Molecular Biology CHEM 3484 Instrumental Analysis CHEM 4523 Advanced Biochemistry 	15 hrs.
 PHY 1214 General Physics II* CHM 1214 General Chemistry II* SPC 1113 Fundamentals of Speech PSY 1113 Intro to Psychology OR SOC 1113 Intro to Sociology 		14 hrs.	 CHEM 4523 Advanced Biochemistry CHEM 4531 Advanced Biochemistry Lab 3 hrs. Elective 	16 hrs.
* Please see chart on second page for course equivalencies		62 hrs.	Total Credit Hours	62 hrs.







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	
GVT 1113 American Federal Government	PS 1113 United States Government	
MTH 1513 College Algebra	MATH 1513 College Algebra	
MTH 1613 Plane Trigonometry	MATH 1713 Trigonometry	
MTH 2215 Calculus I w/ Analytic Geometry	MATH 2825 Calculus and Analytic Geometry I	
PHY 1114 General Physics I	PHYS 1114 General Physics I	
PHY 1214 General Physics II	PHYS 1214 General Physics II	

PHY 2014 Engineering Physics I and PHY 2114 Engineering Physics II maybe taken in place of PHY 1114 and PHY 1214

CHEM 3484 Instrumental Analysis is only offered in the Spring semester on even years.

CHEM 4413 Advanced Inorganic Chemistry is only offered in the Spring Semester on odd years.

CHEM 3214 Quantitative Analysis I is offered every Spring

CHEM 4514 is ONLY offered in the Fall of even numbered years.

CHEM 4213 Biochemistry is offered every Fall.

NOTES:

- ⇒ Articulated using MSC'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 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 by clicking on Admissions and scrolling down to Course Transfer Matrix.
- ⇒ A student must earn <u>at least 40 semester hours in upper-division</u> 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 <u>at least 60 semester hours</u>, 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.