

Ozarks Technical Community College — Missouri S&T

Chemistry BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2017

Ozarks Technical Community College

Missouri S&T

Communication Skills (Take all courses)

ENG 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	Composition II	3	ENGLISH 1160	Writing and Research	3
COM 105	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours			9	Total Hours	
			9		

Social Sciences (Take all courses)

HST 120 or HST 130	First American to War or Reconstruction to the Present	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
PLS 101	American Government Politics	3	POL SCI 1200	American Government	3
PSY 110	Intro to Psychology	3	PSYCH 1101	General Psychology	3
Total Hours			9	Total Hours	
			9		

Humanities (Take all courses)

ART 110 or MUS 101 or THE 101	Art and Experience or Western Music Appreciation or Introduction to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre Appreciation	3
PHL 101	Introduction to Philosophy	3	PHILOS 1105	Introduction to Philosophy	3
ENG 220 or ENG 225	American Lit Beginnings - 1870 or American Literature 1870- Present	3	ENGLISH 1221 or ENGLISH 1222	American Literature: 1600 to 1865 or American Literature 1865 to Present	3
Total Hours			9	Total Hours	
			9		

Mathematics and Sciences (Take all courses)

MTH 140	Analytical Geometry/Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 141	Analytical Geometry/Calculus II	5	MATH 1215	Calculus for Engineers II	4
CHM 160, 161	General Chemistry	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 170, 171	General Chemistry II	5	CHEM 1320, 1510	General Chemistry II and Qualitative Analysis	5
BIO 100	Life Science	4	BIO SCI 1113	General Biology	3
Total Hours			24	Total Hours	
			24		

Additional Degree Requirements (Select up to 19 hours)

PHY 220	Physics for Engineers and Scientists I	5	PHYSICS 1135	Engineering Physics I	4
PHY 222	Physics for Engineers and Scientists II	5	PHYSICS 2135	Engineering Physics II	4
CHM 242	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	5
Total Hours			15	Total Hours	
			15		

Teacher Certification Requirements (Take all courses)

EDU 220	Foundations of Education	3	EDUC 1040	Perspectives in Education	2
EDU 250	Educational Psychology	3	PSYCH 2300 or EDUC 2102	Educational Psychology	3
PSY 130	Life Span Developmental Psychology	3	PSYCH 3310	Developmental Psychology	3
Total Hours			9	Total Hours	
			9		

***Teacher certification notes:** Passing scores on MoGEA and MoCA are required. Students must maintain a minimum 2.75 cumulative GPA and a minimum 3.0 content GPA. Students completing this program will have a BA degree in Chemistry with secondary education teacher certification.

Maximum credit hours to be transferred to Missouri S&T degree requirements.

75

Missouri S&T residency requirements: The last 60 hours of any Missouri S&T degree must be completed at Missouri S&T.

Students must receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree.

Students are not required to complete all courses on this guide before transferring to Missouri S&T.