

Johnson County Community College — Missouri S&T

Chemistry BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2017

<u>Partner School</u>				<u>Missouri S&T</u>			
Communication Skills (Take all courses)							
ENGL 121	Composition I	3		ENGLISH 1120	Exposition and Argumentation		3
ENGL 122	Composition II	3		ENGLISH 1160	Writing and Research		3
SPD 121	Public Speaking	3		SPMS 1185	Principles of Speech		3
Total Hours				9			Total Hours
				9			9
Social Sciences (Take all courses)							
HIST 140 or HIST 141	U.S. History to 1877 or U.S. History since 1877	3		HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877		3
POLS 122 or POLS 124	Political Science or American National Government	3		POL SCI 1200	American Government		3
PSYC 130	Introduction to Psychology	3		PSYCH 1101	General Psychology		3
Total Hours				9			Total Hours
				9			9
Humanities (Take all courses)							
MUS 121 or THEA 120	Introduction to Music Listening or Introduction to Theater	3		MUSIC 1150 or THEATRE 1190	Music Appreciation or Theatre Appreciation		3
PHIL 121	Introduction to Philosophy	3		PHILOS 1105	Introduction to Philosophy		3
ENGL 236	British Literature I	3		ENGLISH 1211	British Literature I: The Beginnings to 1800 or other literature		3
Total Hours				9			Total Hours
				9			9
Mathematics and Sciences (Take all courses)							
MATH 241 & MATH 242	Calculus I and Calculus II	10		MATH 1214 & MATH 1215	Calculus for Engineers I and Calculus II for Engineers		4
CHEM 122 or CHEM 124,125	Principles of Chemistry or General Chemistry I Lecture and Lab	5		CHEM 1310, 1319	General Chemistry I and Lab		5
CHEM 131,132	General Chemistry II and Lab	4		CHEM 1320,1510	General Chemistry II and Qualitative Analysis		5
BIOL 121	Introductory Biology for Non-Majors	4		BIO SCI 1113	General Biology		3
Total Hours				23			Total Hours
				23			17
Additional Degree Requirements (Select up to 19 hours)							
PHYS 220	Engineering Physics I	5		PHYSICS 1135	Engineering Physics I		4
PHYS 221	Engineering Physics II	5		PHYSICS 2135	Engineering Physics II		4
CHEM 220	Organic Chemistry I	5		CHEM 2210, 2219	Organic Chemistry I and Lab		5
CHEM 221	Organic Chemistry II	5		CHEM 2220, 2229	Organic Chemistry II and Lab		5
Total Hours				15			Total Hours
				15			16
Teacher Certification Requirements (Take all courses)							
EDUC 121	Introduction to Teaching	3		EDUC 1040	Perspectives in Education		2
PSYC 225	Educational Psychology	3		PSYCH 2300 or EDUC 2102	Educational Psychology		3
PSYC 215	Child Development	3		PSYCH 3310	Developmental Psychology		3
Total Hours				9			Total Hours
				9			8

***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.