

Johnson County Community College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2017

Partner School

Missouri S&T

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		

Social Sciences (Take all courses)

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			6		

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 or PHILOS 1115	Introduction to Philosophy or Intro to Logic	3
	<i>See your advisor for course options.</i>	3		Literature Elective	3
Total Hours			9		

Mathematics and Sciences (Take all courses)

MATH 116 or MATH 171 or MATH 231	Intermediate Algebra or College Algebra or Calculus 1 or higher level math	3	MATH 1103 or MATH 1140 or MATH 1208	Fundamentals of Algebra or College Algebra or Calculus with Analytical Geometry I or higher level math	3 or 3 or 5
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	General Chemistry II Lecture	4	CHEM 1320	General Chemistry II	3
Total Hours			12		

Additional Degree Requirements (Select up to 9 hours)

PHYS 130	General Physics I	5	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
GEOS 130	General Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
BIOL 135	Principles of Cellular & Molecular Biology	4	BIO SCI 2213, 2219	Cell Biology and Lab	4
BIOL 205	General Genetics	3	BIO SCI 2223	General Genetics	3
BIOL 130	Environmental Science	3	BIO SCI 2263	Ecology	3
CHEM 220	Organic Chemistry I	5	CHEM 2210	Organic Chemistry I	4
CHEM 221	Organic Chemistry II	5	CHEM 2220	Organic Chemistry II	4
HIST 125 or HIST 151	Western Civilization: Readings and Discussion I or World History I: Traditional World	3	HISTORY 1100	Early Western Civilization	3
HIST 126	Western Civilization: Readings and Discussion II	3	HISTORY 1200	Modern Western Civilization	3
	<i>See your advisor for course options</i>			Mathematics, physics, or geology elective	
Total Hours			13		

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
	<i>See your advisor for course options.</i>			Biological Sciences Computer Elective	3
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. 71

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.