

St. Charles Community College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2017

St. Charles Community College

Missouri S&T

Communication Skills (Take all courses)

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	English Composition II	3	ENGLISH 1160	Writing and Research	3
SPE 101	Oral Communications	3	SPMS 1185	Principles of Speech	3
Total Hours					9
Total Hours					9

Social Sciences (Take all courses)

POL 101	American Government	3	POL SCI 1200	American Government	3
PSY 101	Introduction to Psychology	3	PSYCH 1101	General Psychology	3
Total Hours					6
Total Hours					6

Humanities (Take all courses)

ART 1001 or MUS 111 or THE 122	Art Appreciation or Music Appreciation or Introduction of Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre Appreciation	3
PHL 101 or PHL 102	Introduction to Philosophy or Introduction to Logic Literature Elective	3	PHILOS 1105 or PHILOS 1115	Introduction to Philosophy or Intro to Logic Literature Elective	3
Total Hours					9
Total Hours					9

Mathematics and Sciences (Take all courses)

MAT 121 or MAT 162 or MAT 180	Intermediate Algebra or College Algebra- STEM or Calculus with Analytical Geometry I	4	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
CHM 115	General Chemistry I and Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 116	General Chemistry II	5	CHEM 1320	General Chemistry II	3
BIO 150	General Biology	5	BIO SCI 1213, 1219	Principles of Biology and Lab	5
Total Hours					19
Total Hours					16-18

Additional Degree Requirements (Select up to 9 hours)

PHY 150 or PHY130	General Physics I or Astronomy	3	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
PHY 125	Introduction to Physical Geology	3	GEOLOGY 1110	Physical and Environmental Geology	3
BIO 151	General Biology II	5	BIO SCI 1223, 1229	Biodiversity and Lab	4
BIO 122	Environmental Sciences	3	BIO SCI 1173	Introduction to Environmental Sciences	3
BIO 120	Introduction to Ecology	3	BIO SCI 2263	Ecology	3
CHM 240	Organic Chemistry I	3	CHEM 2210	Organic Chemistry I	4
CHM 241	Organic Chemistry II	3	CHEM 2220	Organic Chemistry II	4
HIS 145	Western Civ, Ancient and Medieval Heritage	3	HISTORY 1100	Early Western Civilization	3
HIS 146	Western Civilization of Modern Europe	3	HISTORY 1200	Modern Western Civilization	3
				Mathematics, physics, or geology elective	
Total Hours					13
Total Hours					13

Teacher Certification Requirements (Take all courses)

EDU 211	Foundations of Education	3	EDUC 1040	Perspectives in Education	2
EDU 240	Educational Psychology	3	PSYCH 2300 or EDUC 2102	Educational Psychology	3
PSY 110	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	3
				Biological Sciences Computer Elective	3
Total Hours					9
Total Hours					11

***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.