

# St. Louis Community College — Missouri S&T

## Biological Sciences BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2017

### St. Louis Community College

### Missouri S&T

#### Communication Skills (Take all courses)

ENG 101	College Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	College Composition II	3	ENGLISH 1160	Writing and Research	3
COM 107	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours			9		

#### Social Sciences (Take all courses)

PSC 101	Introduction to American Politics	3	POL SCI 1200	American Government	3
PSY 200	General Psychology	3	PSYCH 1101	General Psychology	3
Total Hours			6		

#### Humanities (Take all courses)

ART 100 or MUS 103 or THT 101	Art Appreciation or Basic Music or Introduction to Theatre (Select 2 of these courses.)	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	
Total Hours			6			
			Literature Elective			3
Total Hours			9			

#### Mathematics and Sciences (Take all courses)

MTH 140 or MTH 160 or MTH 210	Intermediate Algebra or College Algebra or Analytical Geometry/Calculus I	3 or 4 or 5	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 105	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5	
CHM 106	General Chemistry II	5	CHEM 1320	General Chemistry II	3	
BIO 140	Principles of Biology I	4	BIO SCI 1213, 1219	Principles of Biology and Lab	5	
Total Hours			14			
			Total Hours			16-18

#### Additional Degree Requirements (Select up to 9 hours)

PHY 111 or PSI 111	College Physics I or Intro to Astronomy	4	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3	
GEO 111	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3	
BIO 141	Principles of Biology II	4	BIO SCI 1223, 1229	Biodiversity and Lab	4	
BIO 106	Human Heredity	4	BIO SCI 2223	General Genetics	3	
BIO 105	Topics in Evolution	3	BIO SCI 2233	Evolution	3	
BIO 117	Conservation and Ecology (Lecture)	3	BIO SCI 2263	Ecology	3	
CHM 206	Organic Chemistry I (Lecture)	3	CHEM 2210	Organic Chemistry I	4	
CHM 207	Organic Chemistry II (Lecture)	3	CHEM 2220	Organic Chemistry II	4	
HST 117	Early Modern Europe	3	HISTORY 1100	Early Western Civilization	3	
HST 128	Western Tradition II	3	HISTORY 1200	Modern Western Civilization	3	
Total Hours			13			
			Total Hours			13

#### Teacher Certification Requirements (Take all courses)

EDU 211 or EDU 220	Foundations of Education or Teaching Profession with Field Exp	3	EDUC 1040	Perspectives in Education	2	
EDU 227	Educational Psychology	3	PSYCH 2300 or EDUC 2102	Educational Psychology	3	
PSY 205	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	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.