

Metropolitan Community Colleges — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2017

Metropolitan Community Colleges

Missouri S&T

Communication Skills (Take all courses)

ENGL 101	Composition and Reading I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102	Composition and Reading II	3	ENGLISH 1160	Writing and Research	3
COMM 100	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3
Total Hours			Total Hours		
9			9		

Social Sciences (Take all courses)

POLS 136	Introduction to American Politics	3	POL SCI 1200	American Government	3
PSYC 140	General Psychology	3	PSYCH 1101	General Psychology	3
Total Hours			Total Hours		
6			6		

Humanities (Take all courses)

ART 108 or MUSI 108 or SPDR 106	Survey of Art or Music Appreciation or Theater Appreciation	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre Appreciation	3
PHIL 100 or PHIL 200	Introduction to Philosophy or Logic	3	PHILOS 1105 or PHILOS 1115	Introduction to Philosophy or Intro to Logic	3
	Literature Elective <i>See your advisor for course options.</i>	3		Literature Elective	3
Total Hours			Total Hours		
9			9		

Mathematics and Sciences (Take all courses)

MATH 118 or MATH 120 or MATH 180	Algebra or College Algebra or Analytic Geometry and Calculus I or higher level math	3 or 3 or 5	MATH 1103 or MATH 1140 or MATH 1214	Fundamentals of Algebra or College Algebra or Calculus for Engineers I or higher level math	3 or 3 or 4
CHEM 111	General College Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 112	General College Chemistry II	5	CHEM 1320, 1510*	General Chemistry II and Qualitative Analysis* <small>*Note: CHEM 1510 is not an S&T degree requirement; course will transfer as elective credit.</small>	5
Total Hours			Total Hours		
10			16-18		

Additional Degree Requirements (Select up to 9 hours)

PHYS 130 or PHYS 102	General Physics I or General Astronomy	5	PHYSICS 1145, 1119* or PHYSICS 1505	College Physics I and Lab* or Astronomy <small>*Note: PHYS 1119 Lab is not a Missouri S&T degree requirement for the Biology BA</small>	3
GEOL 101	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
BIOL 204	Genetics	3	BIO SCI 2223	General Genetics	3
BIOL 202	Ecology	5	BIO SCI 2263	Ecology	3
CHEM 221	Organic Chemistry I	5	CHEM 2210	Organic Chemistry I	4
CHEM 222	Organic Chemistry II	5	CHEM 2220	Organic Chemistry II	4
HIST 133	Foundations of Western Civilization	3	HISTORY 1100	Early Western Civilization	3
HIST 134	Western Civilization II <i>See your advisor for course options</i>	3	HISTORY 1200	Modern Western Civilization	3
Total Hours			Total Hours		
13			13		

Teacher Certification Requirements (Take all courses)

EDUC 100	Introduction to Education	2	EDUC 1040	Perspectives in Education	2
EDUC 270	Educational Psychology	3	PSYCH 2300 or EDUC 2102	Educational Psychology	3
PSYC 241	Human Development	4	PSYCH 3310	Developmental Psychology	3
	Biological Sciences Computer Elective			Biological Sciences Computer Elective	3
Total Hours			Total Hours		
9			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.