Metropolitan Community College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2023

Metropolitan Community College			Missouri S&T		
Communication Skills (Take all courses)					
ENGL 101	Composition and Reading I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or ENGL 215	Composition and Reading II or Technical Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
COMM 100	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3
	Total Hours	9		Total Hours	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	6		Total Hours	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 via Video	3
PHIL 100 or PHIL 200	Introduction to Philosophy or Logic	3	PHILOS 1105 or PHILOS 1115	Intro to Philosophy or Intro to Logic	3
ENGL 220 or ENGL 222 or ENGL 254 or ENGL 260 or ENGL 268	British Literature to 1750 or American Literature I or World Literature I or African-American Literature or Women's Literature (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2245 or ENGLISH 2242 or	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or African American Literature or Literature by Women (or other literature elective)	3
	Total Hours	9		Total Hours	9
Mathematics and Sciences (Take all courses)					
MATH 118 or MATH 120	Algebra or College Algebra (or higher level math)	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra (or higher math)	3
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	General Chemistry II	3
BIOl 123 or BIOL 101 or BIOL 118	General Biology for Majors I (4) or General Biology (5) or Intro to Biology (5)	4-5	BIO SCI 1213,1219 or BIO SCI 1113, 1219	Principles of Biology and Lab or General Biology and Lab	3
	Total Hours	13		Total Hours	14
Additional Degree Requirements Select additional courses to total up to the maximum transfer credit hours shown below.					
PHYS 130 or PHYS 106	General Physics I (5) or General Astronomy (4)	4-5	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
GEOL 101	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
BIOL 124	General Biology for Majors II	4	BIO SCI 1223, 1229	Biodiversity and Lab	5
BIOL 102	Environmental Science	5	BIO SCI 1173	Intro to Environmental Sciences	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	3	HISTORY 1200	Modern Western Civilization	3
MATH 115 or ENGR 215 or CSIS 123 or CSIS 223 or ENGR 204	Statistics or Engineering Statistics and Computation or Programming Fundamentals or Object-Oriented Programming with C++ or Programming for Engineers & Scientists (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3	STAT 1115 or STAT 3115 or CS 1971, 1981 or CS 1972, 1982	Statistics for Social Sciences I (3) or Engineering Statistics (3) or Intro to Programming Method and Lab or Intro to MATLAB Programming and Lab (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3
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 (EDUC 2102)	Educational Psychology	3
PSYC 241	Human Development	4	PSYCH 3310	Developmental Psychology	3
EDUC 285	Education of Exceptional Learners	3	PSYCH 4310	Psychology of the Exceptional Child	3

Professional Requirements for Teacher Education Program: Please view all program requirements at https://teachereducation.mst.edu/secondaryeducation/.

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.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2023. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.