St. Charles Community College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2023

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 or ENG 115	English Composition II or Technical Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
COM 106	Public Speaking	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	Intro 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 Intro of Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video	3
PHL 101 or PHL 102	Intro to Philosophy or Intro to Logic	3	PHILOS 1105 or PHILOS 1115	Intro to Philosophy or Intro to Logic	3
LIT 250 or LIT 210 or LIT 272 or LIT 223	English Literature Before 1800 or American Literature From 1620-1865 or World Lit-Ancient World thru Renaissance or African American Literature (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2245 or	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or African American Literature (or other literature elective)	3
	Total Hours	9		Total Hours	9
Mathematics and Sciences (Take all courses)					
MAT 162	College Algebra	3	MATH 1140	College Algebra (or higher math)	3
CHM 115	General Chemistry I and Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 116	General Chemistry II and lab	5	CHEM 1320	General Chemistry II	3
BIO 160	General Biology	5	BIO SCI 1113, 1219	General Biology and lab	3
	Total Hours	18		Total Hours	14
Additional Degree Requirements **Select additional courses to total up to the maximum transfer credit hours shown below.**					
PHY 150 or PHY 130	General Physics I or Astronomy	3	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
PHY 125	Intro to Physical Geology	3	GEOLOGY 1110	Physical and Environmental Geology	3
BIO 151	General Biology II	5	BIO SCI 1223, 1229	Biodiversity and Lab	5
BIO 122	Environmental Science	3	BIO SCI 1173	Intro to Environmental Sciences	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 Midieval Heritage	3	HISTORY 1100	Early Western Civilization	3
HIS 146	Western Civ: Modern European Heritage	3	HISTORY 1200	Modern Western Civilization	3
MAT 157 or MAT 175 or CPT 182	College Statistics-General Education (4) or Introductory Statistics (3) or Beginning Programming in C++ (3) (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3	STAT 1115 or STAT 1115 or CS 1971, 1981	Statistics for Social Sciences I or Statistics for Social Sciences I or Intro to Programming Method and Lab (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3
Teacher Certification Requirements (Take all courses)					
EDU 212	Foundations of Education in a Diverse Society	3	EDUC 1040	Perspectives in Education	2
EDU 240	Educational Psychology	3	PSYCH 2300 (EDUC 2102)	Educational Psychology	3
PSY 110	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	3
EDU 250	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.