Johnson County Community College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2023

Johnson County Community College			Missouri S&T		
Communication Skills (Take all courses)					
ENGL 121	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 122 or ENGL 123	Composition II or Technical Writing I	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
COMS 121	Public Speaking	3	SPMS 1185	Principles of Speech	3
	Total Hours	9		Total Hours	9
Social Sciences (Take all courses)					
POLS 124	American National Government	3	POL SCI 1200	American Government	3
PSYC 130	Intro to Psychology	3	PSYCH 1101	General Psychology	3
	Total Hours	6		Total Hours	6
Humanities (Take all courses)					
MUS 121 or MUS 126 or THEA 120	Intro to Music Listening or Intro to World Music or Intro to Theatre	3	MUSIC 1150 or THEATRE 1190	Music Understanding and Appreciation or Theatre via Video	3
PHIL 121 or PHIL 124	Intro to Philosophy or Logic and Critical Thinking	3	PHILOS 1105 or PHILOS 1115	Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction	3
ENGL 236 or ENGL 246 or ENGL 251 or ENGL 217	British Literature to 1800 or American Literature I or World Literature to 1620 or Literature by Women (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women (or other literature elective)	3
	Total Hours	9		Total Hours	9
Mathematics and Sciences (Take all courses)					
MATH 171	College Algebra (or higher level math)	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra (or higher math)	3
CHEM 124, 125	General Chemistry I and Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 131	General Chemistry II Lecture	4	CHEM 1320	General Chemistry II	3
BIOL 121	Intro to Biology for Non-Majors	4	BIO SCI 1113,1219	General Biology and Lab	4
	Total Hours	16		Total Hours	15
Additional Degree Requirements **Select additional courses to total up to the maximum transfer credit hours shown below.**					
PHYS 130 or ASTR 120 or ASTR 122	College Physics I (5) or Fundamentals of Astronomy (3) or Astronomy (4)	3	PHYSICS 1145 or PHYSICS 1505	College Physics I or Introductory Astronomy	3
GEOS 130	General Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
EVRN 130	Environmental Science	3	BIO SCI 1173	Intro to Environmental Sciences	3
BIOL 135	Principles of Cellular and Molecular Biology	4	BIO SCI 2213, 2219	Cell Biology and Lab	4
BIOL 205	General Genetics		BIO SCI 2223	General Genetics	3
CHEM 220	Organic Chemistry I	5	CHEM 2210	Organic Chemistry I	4
CHEM 221	Organic Chemistry II	5	CHEM 2220	Organic Chemistry II	4
HIST 125 or HIST 151	Western Civ: Ancient World to the Renaissance or World History I: Traditional	3	HISTORY 1100	Early Western Civilization	3
HIST 126	Western Civ: Scientific Revolution to Modern Age	3	HISTORY 1200	Modern Western Civilization	3
MATH 181 or MATH 285 or CS 200 or CS 235 or CS 250	Statistics (3) or Statistics for Business (4) or Concepts of Prog Algorithms Using C++ (4) or Object-Oriented Programming Using C++ (4) or Basic Data Structures using C++ (4)	3	STAT 1115 or STAT 3111or CS 1500 or CS 1971, 1981	Statistics for Social Sciences I or Statistical Tools for Decision Making or Computational Problem Solving 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)					
EDUC 121	Introduction to Teaching	3	EDUC 1040	Perspectives in Education	2
PSYC 225	Educational Psychology	3	PSYCH 2300 (EDUC 2102)	Educational Psychology	3
PSYC 215	Child Development	3	PSYCH 3310	Developmental Psychology	3
	Total Hours	9		Total Hours	8

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.