

**Johnson County Community College — Missouri S&T**  
**Environmental Science BS 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	Composition II	3	ENGLISH 1160	Writing and Research	3
COMS 121	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours			Total Hours		
9			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
HIST 125 or HIST 151 or HIST 126 or HIST 140 or HIST 141	Western Civ: Ancient World to the Renaissance or World History I: Traditional or Western Civ: Scientific Revolution to Modern Age or U.S. History to 1877 or U.S. History Since 1877	3	HISTORY 1100 or HISTORY 1200 or HISTORY 1300 or HISTORY 1310	Early Western Civilization or Modern Western Civilization or American History to 1877 or American History since 1877	3
Total Hours			Total Hours		
9			9		

**Humanities (Take all courses)**

MUS 121 or MUS 126	Intro to Music Listening or Intro to World Music	3	ART 1180 or MUSIC 1150	Art Appreciation or Music Appreciation	3
PHIL 121	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	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			Total Hours		
9			9		

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

MATH 171	College Algebra (or higher level math)	3	MATH 1140	College Algebra (or higher math)	3
CHEM 124, 125	General Chemistry I and Lab	5	CHEM 1310, 1319*	General Chemistry I and Lab* <small>*Chem 1319 Lab is not an S&amp;T degree requirement. Will transfer as general elective credit.</small>	3
BIOL 121	Intro to Biology for Non-Majors	4	BIO SCI 1113, 1219	General Biology and Lab	4
EVRN 130	Environmental Science	3	BIO SCI 1173	Intro to Environmental Sciences	3
PHYS 130 or PHYS 220	College Physics I or Engineering Physics I	5	PHYSICS 1145 or PHYSICS 1135	College Physics I (3) or Engineering Physics I (4)	3
Total Hours			Total Hours		
20			16		

**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			Total Hours		
9			8		

**Major/Additional Requirements**

**Select additional courses to total up to the maximum transfer credit hours shown below.**

GEOS 145	World Regional Geography	3	HISTORY 2110	World Regional Geography	3
ECON 231 or ECON 230	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
GEOS 130	General Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
ASTR 122	Astronomy	4	PHYSICS 1505, 1509	Introductory Astronomy and Lab	4

**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.**

**60**

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.