

Johnson County Community College — Missouri S&T

Environmental Science BS with Secondary Education Teacher Certification in Earth Science

Transfer Guide Effective as of Fall 2026

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

Johnson County Community College

Missouri S&T

Communication Skills

Take all courses.

Range in Scores:					
ENGL 121 or ENGL 119	Composition I (3) or College Composition I with Review (5)	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
		Total Hours	6		
				Total Hours	6

Humanities and Social Sciences

Take all courses.

PSYC 130	Intro to Psychology	3	PSYCH 1101	General Psychology	3		
HIST 141	U.S. History Since 1877	3	HISTORY 1310	American History since 1877	3		
ECON 231	Principles of Microeconomics	3	ECON 1100	Principles of Microeconomics	3		
PHIL 143	Ethics	3	PHILOS 1130	How Should I Live? An Intro to Ethics	3		
		Total Hours	12			Total Hours	12

Mathematics and Sciences

Take all courses.

MATH 241 or MATH 231 and 232	Calculus I (5) or Business and Applied Calculus I and II (6)* *The combination of MATH 231 and 232 is equivalent to S&T MATH 1212.	5	MATH 1214* or MATH 1212*	Calculus I (4) or Survey of Calculus (3) *MATH 1212 will be substituted for MATH 1210. The combination of MATH 231 and 232 is equivalent to S&T MATH 1212.	4		
CHEM 124, 125	General Chemistry I and Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5		
CHEM 131, 132	General Chemistry II and Lab	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.	3		
EVNR 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 or Engineering Physics I	4		
		Total Hours	23			Total Hours	19

Teacher Certification Requirements

Take all courses.

EDUC 121	Introduction to Teaching	3	EDUC 1074	Education in a Diverse Society	3		
PSYC 225	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3		
PSYC 215	Child Development	3	PSYCH 3310	Developmental Psychology	3		
		Total Hours	9			Total Hours	9

Major/Additional Requirements

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

BIOL 205	General Genetics	3	BIO SCI 2223	General Genetics	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.

67

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 2026.
Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.