

Jefferson College — Missouri S&T

Environmental Science BS with Secondary Education Teacher Certification in Earth Science

Transfer Guide Effective as of Fall 2025

Jefferson College

Missouri S&T

Communication Skills

Take all courses.

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	English Composition II	3	ENGLISH 1160	Writing and Research	3
		Total Hours	6		
				Total Hours	6

Humanities and Social Sciences

Take all courses.

PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
HIST 103 or HIST 104 or HIST 101 or HIST 102	US History I to Reconstruction or US History II from Reconstruction or Ancient and Medieval Civilization or Renaissance to Early Modern Europe MOTR WCIV 102	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1100 or HISTORY 1200 or	American History to 1877 or American History since 1877 or Early Western Civilization or Modern Western Civilization MOTR WCIV 102 .	3
ECO 102	Microeconomics	3	ECON 1100	Principles of Microeconomics	3
PHL 202	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.

MTH 180 or MTH 185	Calculus I or Calculus II	5	MATH 1214 or MATH 1215	Calculus I or Calculus II	4
CHM 111	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 112	General Chemistry II	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
BIO 109	Ecology and Environmental Conservation	3	BIO SCI 1173	Intro to Environmental Sciences	3
PHY 111 or PHY 223	Elementary College Physics I MOTR 150L (5) or General Physics I (4)	4	PHYSICS 1145 or PHYSICS 1135	College Physics I MOTR 150L or Engineering Physics I	4
		Total Hours	22		
				Total Hours	19

Teacher Certification Requirements

Take all courses.

EDU 210	Foundations of Education	3	EDUC 1074	Education in a Diverse Society	2
EDU 230	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1
EDU 225	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3
PSY 201	Child Psychology	3	PSYCH 3310	Developmental Psychology	3
				Total Hours	9

Major/Additional Requirements

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

BIO 1201	Genetics	4	BIO SCI 2223	General Genetics	3
PHY 105	Physical Geology	4	GEOLOGY 1110	Physical and Environmental Geology	3
PHY 106	Intro to Astronomy	3	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.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2025. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.