

# Three Rivers College — Missouri S&T

## Environmental Science BS with Secondary Education Teacher Certification in Earth Science

Transfer Guide Effective as of Fall 2025

### Three Rivers College

### Missouri S&T

#### Communication Skills

Take all courses.

ENGL 111	College Writing	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 112	Advanced College Writing	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 111	General Psychology	3	PSYCH 1101	General Psychology	3
HIST 121 or HIST 122 or HIST 111 or HIST 112	World Civilization to the Renaissance or World Civilization since the Renaissance or American History to 1877 or American 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
ECON 212	Principles of Microeconomics	3	ECON 1100	Principles of Microeconomics	3
PHIL 233	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 171 or MATH 271	Analytical Geometry and Calculus I or Analytical Geometry and Calculus II	5	MATH 1214 or MATH 1215	Calculus I or Calculus II	4
CHEM 121	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 122	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
BIOL 102	Environmental Science	4	BIO SCI 1173	Intro to Environmental Sciences	3
PHYS 211	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
		Total Hours	24		
				Total Hours	19

#### Teacher Certification Requirements

Take all courses.

EDUC 230	Foundations of Education	3	EDUC 1074	Education in a Diverse Society	2
EDUC 201	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1
EDUC 210	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3
PSYC 243	Human Development Across the Life Span	3	PSYCH 3310	Developmental Psychology	3
EDUC 260	Education of the Exceptional Learner	3	EDUC 2310 or PSYCH 4310	Education of the Exceptional Child or Psychology of the Exceptional Child	3
		Total Hours	15		
				Total Hours	12

#### Major/Additional Requirements

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

PHYS 150	Environmental Geology MOTR GEOL 100	4	GEOLOGY 1110	Physical and Environmental Geology MOTR GEOL 100	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.**

**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.