

# St. Louis Community College — Missouri S&T

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

Transfer Guide Effective as of Fall 2025

### St. Louis Community College

### Missouri S&T

#### Communication Skills

Take all courses.

ENG 101	College Composition I	3	ENGLISH 1120	Exposition and Argumentation	3		
ENG 102 or ENG 103	College Composition II or Report 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.

PSY 200	General Psychology	3	PSYCH 1101	General Psychology	3		
HST 115 or	Ancient and Medieval History to 1500 or	3	HISTORY 1100 or	Early Western Civilization or	3		
HST 128 or	Western Civilization 1500 to Present or		HISTORY 1200 or	Modern Western Civilization or			
HST 101 or	US History to 1865 or		HISTORY 1300 or	American History to 1877 or			
HST 102	US History 1865 to Present		HISTORY 1310	American History since 1877			
ECO 152	Principles of Microeconomics	3	ECON 1100	Principles of Microeconomics	3		
PHL 104	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 210 or MTH 220	Analytic Geometry and Calculus I or Analytic Geometry and Calculus II	5	MATH 1214 or MATH 1215	Calculus I or Calculus II	4		
CHM 105	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5		
CHM 106	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		
PHY 111 or PHY 122	College Physics I (4) or Engineering Physics I (5)	4	PHYSICS 1145 or PHYSICS 1135	College Physics I or Engineering Physics I	4		
		Total Hours	19			Total Hours	16

#### Teacher Certification Requirements

Take all courses.

EDU 211	Foundations of Education in a Diverse Society	3	EDUC 1074	Education in a Diverse Society	3	
EDU 210	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1	
EDU 227	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3	
PSY 205	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	3	
EDU 219	Education of Exceptional Learners	3	EDUC 2310 or PSYCH 4310	Education of the Exceptional Child or Psychology of the Exceptional Child	3	
					Total Hours	13

#### Major/Additional Requirements

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

BIO 141	Principles of Biology II	5	BIO SCI 1223, 1229	Biodiversity and Lab	4
BIO 225	Genetics	5	BIO SCI 2223	General Genetics	3
BIO 117	Conservation and Ecology	3	BIO SCI 2263	Ecology	3
GEO 111	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
PSI 111, 1115	Intro to Astronomy and Observ. 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.