

Metropolitan Community College — Missouri S&T

Environmental Science BS with Secondary Education Teacher Certification in Earth Science

Transfer Guide Effective as of Fall 2025

Metropolitan Community College

Missouri S&T

Communication Skills

Take all courses.

ENGL 101	Composition and Reading I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or ENGL 215	Composition and Reading II or Technical 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 140	General Psychology	3	PSYCH 1101	General Psychology	3
HIST 133 or HIST 134 or HIST 120 or HIST 121	Foundations of Western Civilization or Modern Western Civilization or United States History to 1865 or United States History since 1865	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 211	Microeconomics	3	ECON 1100	Principles of Microeconomics	3
PHIL 203	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 180 or MATH 190	Analytic Geometry and Calculus I or Analytic Geometry and Calculus II	5	MATH 1214 or MATH 1215	Calculus I or Calculus II	4
ENGR 215	Engineering Statistics and Computation	3	STAT 3115	Engineering Statistics	3
CHEM 111	General College Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 112	General College Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>*CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.</small>	3
BIOL 102	Environmental Science	5	BIO SCI 1173	Intro to Environmental Sciences	3
PHYS 130 or PHYS 220	General Physics I or Engineering Physics I	5	PHYSICS 1145 or PHYSICS 1135	College Physics I or Engineering Physics I	4
		Total Hours	28		
				Total Hours	22

Teacher Certification Requirements

Take all courses.

EDUC 100	Introduction to Education	2	EDUC 1074	Education in a Diverse Society	2
EDUC 201	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1
EDUC 270	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3
PSYC 241	Human Development	4	PSYCH 3310	Developmental Psychology	3
EDUC 285	Education of Exceptional Learners	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.

BIOL 124	General Biology for Majors II	4	BIO SCI 1223, 1229	Biodiversity and Lab	4
BIOL 204	Genetics	3	BIO SCI 2223	General Genetics	3
BIOL 202	Ecology	5	BIO SCI 2263	Ecology	3
GEOLOGY 101	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
PHYS 102	General Astronomy	5	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.