

Mineral Area 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.

Mineral Area College

Missouri S&T

Communication Skills

Take all courses.

ENG 1330	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 1340	English Composition	3	ENGLISH 1160	Writing and Research	3
		Total Hours	6		
				Total Hours	6

Humanities and Social Sciences

Take all courses.

PSY 1130	General Psychology I	3	PSYCH 1101	General Psychology	3
HIS 1240	American History II	3	HISTORY 1310	American History since 1877	3
BUS 2940	Principles of Microeconomics	3	ECON 1100	Principles of Microeconomics	3
PHI 1420	Intro to 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.

MAT 1650	Analytical Geometry and Calculus I	5	MATH 1214	Calculus I	4
PHS 1350	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHS 1390, 1380	General Chemistry II and Qualitative Analysis	6	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 1430	Environmental Science	3	BIO SCI 1173	Intro to Environmental Sciences	3
PHS 1420	College Physics I	4	PHYSICS 1145	College Physics I	4
		Total Hours	16		
				Total Hours	19

Teacher Certification Requirements

Take all courses.

EDU 2040	Foundations of Education	3	EDUC 1074	Education in a Diverse Society	3
EDU 2100	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1
EDU 2320	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3
PSY 1250	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	3
EDU 2500	Education of 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	13

Major/Additional Requirements

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

PHS 2420	Earth Science I MOTR GEOL 100	3	GEOLOGY 1110	Physical and Environmental Geology MOTR GEOL 100	3
PHS 1200	Intro to Astronomy	3	PHYSICS 1505	Introductory Astronomy	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.

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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.
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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.