

St. Charles Community 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.

St. Charles Community College

Missouri S&T

Communication Skills

Take all courses.

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102 or ENG 115	English Composition 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.

PSY 101	Intro to Psychology	3	PSYCH 1101	General Psychology	3
HIS 102	US History Since 1877	3	HISTORY 1310	American History since 1877	3
ECO 120	Principles of Microeconomics	3	ECON 1100	Principles of Microeconomics	3
PHL 160	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 210 or MAT 180	Survey Calculus (4) or Calculus and Analytical Geometry I (5)	4	MATH 1212 or MATH 1214	Survey of Calculus or Calculus I	4
CHM 115	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 116	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 122	Environmental Science	3	BIO SCI 1173	Intro to Environmental Sciences	3
PHY 150 or PHY 250	General Physics I (3) or Engineering Physics I (5)	3	PHYSICS 1145 or PHYSICS 1135	College Physics I or Engineering Physics I	4
Total Hours 14			Total Hours 19		

Teacher Certification Requirements

Take all courses.

EDU 212	Foundations of Education in a Diverse Society	3	EDUC 1074	Education in a Diverse Society	3
EDU 285	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1
EDU 240	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3
PSY 110	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	3
EDU 250	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 13		

Major/Additional Requirements

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

BIO 151	General Biology: Organisms to Environment	5	BIO SCI 1223, 1229	Biodiversity and Lab	4
PHY 125	Intro to Physical Geology	3	GEOLOGY 1110	Physical and Environmental Geology	3
PHY 130, 131	Astronomy and Lab	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.

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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.