

Ozarks Technical 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.

Ozarks Technical Community College

Missouri S&T

Communication Skills

Take all courses.

Part A: Courses					
ENG 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102 or ENG 150	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.

Take all courses:					
PSY 110	Intro to Psychology	3	PSYCH 1101	General Psychology	3
HST 130	US History II: 1865-Present	3	HISTORY 1310	American History since 1877	3
ECO 275	Principles of Economics II	3	ECON 1100	Principles of Microeconomics	3
PHL 105	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.

MTH 140	Analytic Geometry and Calculus I	5	MATH 1214	Calculus I	4
MTH 229	Statistics for Engineers and Scientists	3	STAT 3115*	Engineering Statistics*	3
			*STAT 3115 will be substituted for this requirement.		
CHM 160, 161	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 170, 171	General Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2)	3
			*CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.		
BIO 150	Environmental Science	4	BIO SCI 1173	Intro to Environmental Sciences	3
PHY 120 or PHY 220	General Physics I (4) or Physics for Engineers and Scientists I (5)	4	PHYSICS 1145 or PHYSICS 1135	College Physics I or Engineering Physics I	4
		Total Hours	18		
				Total Hours	22

Teacher Certification Requirements

Take all courses.

EDU 220	Foundations of Education	3	EDUC 1074	Education in a Diverse Society	3		
EDU 270	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1		
EDU 250	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3		
PSY 130	Life Span Developmental Psychology	3	PSYCH 3310	Developmental Psychology	3		
EDU 260	Education 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.

BIO 170	General Biology II	4	BIO SCI 1223, 1229	Biodiversity and Lab	4
BIO 250	Genetics	4	BIO SCI 2223	General Genetics	3
PHY 110	Intro to Geology	4	GEOLOGY 1110	Physical and Environmental Geology	3
PHY 115	Intro to 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.

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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.
Students are not required to complete all courses on this guide before transferring to Missouri S&T.

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.