

# Ozarks Technical Community College — Missouri S&T

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

Transfer Guide Effective as of Fall 2025

### Ozarks Technical Community College

### Missouri S&T

#### Communication Skills

Take all 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.

PSY 110	Intro to Psychology	3	PSYCH 1101	General Psychology	3
HST 105 or HST 106 or HST 120 or HST 130	World History I or World History II or US History I: to 1865 or US History II: 1865-Present	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
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 or MTH 141	Analytic Geometry and Calculus I or Analytic Geometry and Calculus II	5	MATH 1214 or MATH 1215	Calculus I or Calculus II	4	
CHM 160, 161	General Chemistry II	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) <small>*CHEM 1510 is not an S&amp;T degree requirement. Will transfer as general credit.</small>	3	
BIO 150 or PHY 120 or PHY 220	Environmental Science (4) or General Physics I (4) or Physics for Engineers and Scientists I (5)	3 4 4	BIO SCI 1173	Intro to Environmental Sciences	3	
			PHYSICS 1145 or PHYSICS 1135	College Physics I or Engineering Physics I	4	
		Total Hours	22	Total Hours		19

#### Teacher Certification Requirements

Take all courses.

EDU 220	Foundations of Education	3	EDUC 1074	Education in a Diverse Society	2
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	12

#### 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.**

**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.