

Moberly Area Community College — Missouri S&T

Environmental Science BS with Secondary Education Teacher Certification in Earth Science

Transfer Guide Effective as of Fall 2025

Moberly Area Community College

Missouri S&T

Communication Skills

Take all courses.

LAL 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
LAL 102 or IND 120	Composition II or Technical Report 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	General Psychology	3	PSYCH 1101	General Psychology	3
HST 101 or HST 102 or HST 105 or HST 106	Western Civilization I or Western Civilization II or American History to 1865 or American History from 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
ECN 102	Microeconomics	3	ECON 1100	Principles of Microeconomics	3
PHI 152	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 201 or MTH 202	Analytic Geometry and Calculus I or Analytic Geometry and Calculus II	5	MATH 1214 or MATH 1215	Calculus I or Calculus II	4
PHY 121	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHY 122	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
PHY 181 or PHY 201	General Physics I or Engineering Physics I	5	PHYSICS 1145 or PHYSICS 1135	College Physics I or Engineering Physics I	4
		Total Hours	20		
				Total Hours	16

Teacher Certification Requirements

Take all courses.

EDU 220	Foundations of Education in a Diverse Society	3	EDUC 1074	Education in a Diverse Society	3
EDU 225	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1
EDU 245	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3
PSY 205	Human Lifespan Development	3	PSYCH 3310	Developmental Psychology	3
EDU 242	Educational 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 160	General Biology for Majors II	4	BIO SCI 1223, 1229	Biodiversity and Lab	4
PHY 163	Geology	4	GEOLOGY 1110	Physical and Environmental Geology	3
PHY 162	General Astronomy	3	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.