

Mineral Area College — Missouri S&T

Chemistry BA with Secondary Education Teacher Certification

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

Social Sciences

Take all courses.

HIS 1130	Western Civilization I	3	HISTORY 1100	Early Western Civilization	3
HIS 1140	Western Civilization II	3	HISTORY 1200	Modern Western Civilization	3
BUS 2940 or BUS 2930 or POS 1180	Principles of Microeconomics or Principles of Macroeconomics or American Political Systems	3	ECON 1100 or ECON 1200 or POL SCI 1200	Principles of Microeconomics or of Macroeconomics or Government	3
PSY 1130	General Psychology I	3	PSYCH 1101	General Psychology	3
		Total Hours	12		
				Total Hours	12

Humanities

Take all courses.

ART 1490 or MUS 1630 or THE 1000	History of Art I or Appreciation of Music or Intro to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video	3
PHI 1400	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
ENG 2430 or ENG 2440	American Literature I or American Literature II	3	ENGLISH 1221 or ENGLISH 1222	American Literature: 1600 to 1865 or American Literature 1865 to Present	3
		Total Hours	9		
				Total Hours	9

Mathematics and Sciences

Take all courses.

MAT 1650	Analytical Geometry and Calculus I	5	MATH 1214	Calculus I	4
MAT 2150	Analytical Geometry and Calculus II	5	MATH 1215	Calculus II	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 and Qualitative Analysis	5
BIO 1150* or BIO 1100 or	General Biology* (5) or to Biological Science (3)	Intro 3-5	BIO SCI 1113, 1219* or BIO SCI 1113	General Biology (3) and Lab (1) *or General Biology (3)	3
		Total Hours	21		
				Total Hours	21

*BIO SCI 1219 is not a degree requirement, transfers as general elective credit.

Additional Degree Requirements

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

PHS 1200 or PHS 2420	Intro to Astronomy or Earth Science I MOTR GEOL 100	3	PHYSICS 1505 or GEOLOGY 1110	Introductory Astronomy or Physical and Environmental Geology MOTR GEOL 100	3
PHS 1420	College Physics I	4	PHYSICS 1145	College Physics I	4
PHS 2350	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4
PHS 2360	Organic Chemistry II	5	CHEM 2220, 2229*	Organic Chemistry II and Lab*	4
			The lab is not a degree requirement, transfers as general elective credit.		

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

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.