

State Fair Community 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.

State Fair Community College

Missouri S&T

Communication Skills

Take all courses.

ENGL 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or ENGL 112	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

Social Sciences

Take all courses.

HIST 108	World Civilization Before 1500	3	HISTORY 1100	Early Western Civilization	3		
HIST 109	World Civilization After 1500	3	HISTORY 1200	Modern Western Civilization	3		
ECON 102 or ECON 101 pr	Principles of Microeconomics or Principles of Macroeconomics or	3	ECON 1100 or ECON 1200 or	Principles of Microeconomics or Principles of Macroeconomics or	3		
POLS 101	American/National Government	3	POL SCI 1200	American Government	3		
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3		
		Total Hours	12			Total Hours	12

Humanities

Take all courses.

ART 101 or MUS 101 or THEA 107	Art Appreciation or Music Appreciation or Intro to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video	3		
PHIL 101	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3		
LIT 107	American Literature	3	ENGLISH 1221	American Literature: 1600 to 1865	3		
		Total Hours	9			Total Hours	9

Mathematics and Sciences

Take all courses.

MATH 130	Calculus and Analytic Geometry I	5	MATH 1214	Calculus I	4		
MATH 131	Calculus and Analytic Geometry II	5	MATH 1215	Calculus II	4		
CHEM 123	General Chemistry I with Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5		
CHEM 124	General Chemistry II with Lab	5	CHEM 1320, 1510	General Chemistry II and Qualitative Analysis	5		
BIO 112 or BIO 125	Principles of Biology with Lab or General Biology (4) MOTR BIOL 150L	5	BIO SCI 1113, 1219* or BIO SCI 1213,* 1219*	General Biology and Lab* or Principles of Biology* and Lab* MOTR BIOL 150L *BIO SCI 1213 will be substituted for 1113. The lab is not a degree requirement, transfers as general elective credit.	3		
		Total Hours	25			Total Hours	21

*BIO SCI 1213 will be substituted for 1113. The lab 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.

EASC 120 or EASC 106	Intro to Astronomy (3) or Intro to Geology with Lab (4)	3	PHYSICS 1505 or GEOLOGY 1110	Introductory Astronomy or Physical and Environmental Geology	3
PHYS 105 or PHYS 118	College Physics I with Lab or General Physics I with Lab	5	PHYSICS 1135 or PHYSICS 1145	Engineering Physics I or College Physics I	4
CHEM 221	Organic Chemistry I with Lab	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4
CHEM 222	Organic Chemistry II with Lab	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.

EDUC 209	Foundations of Education	3	EDUC 1074	Education in a Diverse Society	3		
EDUC 205	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1		
EDUC 220	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3		
PSY 210	Lifespan Development	3	PSYCH 3310	Developmental Psychology	3		
EDUC 228	Education of Exceptional Learners Pre K-12	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.