

State Fair Community College — Missouri S&T

Chemistry BA

Transfer Guide Effective as of Fall 2025

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	English Composition II	3	ENGLISH 1160	Writing and Research Applies to degree as Gen Ed Communication requirement.	3
Foreign Language	Foreign Language 3 semesters of same language OR 2 semesters of each of two different languages.	12	Foreign Language	Foreign Language 3 semesters of same language OR 2 semesters of each of two different languages.	12
Total Hours 18			Total Hours 18		

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	4	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	BIO SCI 1113, 1219* or BIO SCI 1213, 1219*	General Biology and Lab* or Principles of Biology and Lab* or other biological science Satisfies a biological sciences elective requirement. The lab is not a degree requirement, will transfer as general elective credit.	3
Total Hours 23			Total Hours 21		

Humanities

Select up to 12 hours to include at least one course in each of the three areas of literature (English and American), philosophy, and non-performance fine arts (art, music, and theater).

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 Understanding and Appreciation or Theatre via Video	3
LIT 109 or LIT 107 or LIT 112	British Literature or American Literature or World Literature	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I	3
PHIL 101	Introduction to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
Humanities Elective	Other fine art, literature, or philosophy	3	Humanities Elective	Other fine art, literature, or philosophy	3
Total Hours 12			Total Hours 12		

Social Sciences

Select up to 15 hours in two areas to include History 1100 and 1200.

HIST 108	World Civilization Before 1500 required	3	HISTORY 1100	Early Western Civilization required	3
HIST 109	World Civilization After 1500 required	3	HISTORY 1200	Modern Western Civilization required	3
ECON 102 or ECON 101	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
POLS 101	American/National Government	3	POL SCI 1200	American Government	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
HIST 101	US History Before 1877	3	HISTORY 1300	American History to 1877	3
HIST 102	US History Since 1877	3	HISTORY 1310	American History since 1877	3
Social Science	Other history, economics, political science, psychology, or sociology	3	Social Science	Other history, economics, political science, psychology, or sociology	3
Total Hours 15			Total Hours 15		

Additional Degree Requirements

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

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
MATH 132	Calculus and Analytic Geometry III	5	MATH 2222	Calculus III	4
PHYS 211	Engineering Physics I with Lab	5	PHYSICS 1135	Engineering Physics I	4
PHYS 212	Engineering Physics II with Lab	5	PHYSICS 2135	Engineering Physics II	4

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.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2025.
Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.