

State Fair Community College — Missouri S&T

Chemistry BA Transfer Guide

Effective as of Fall 2017

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	3
	Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)	12		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 Analytical Geometry I	5	MATH 1214	Calculus for Engineers I	4
MATH 131	Calculus and Analytical Geometry II	5	MATH 1215	Calculus for Engineers 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
CHEM 221	Organic Chemistry w/Lab	5	CHEM 2210, 2219	Organic Chemistry I and Lab	5
CHEM 222	Organic Chemistry II w/Lab	5	CHEM 2220, 2229	Organic Chemistry II and Lab	5
Total Hours		30	Total Hours		28

Humanities

(Select up to 12 hours to include at least 1 fine art, 1 English, and 1 philosophy)

ART 101 or MUS 101	Art Appreciation or Music Appreciation	3	ART 1180 or MUSIC 1150	Art Appreciation or Music Appreciation or other fine art	3
LIT 104 or LIT 107	Masterpieces I or American Literature	3	ENGLISH 1211 or ENGLISH 1221	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or other literature	3
PHIL 101	Introduction to Philosophy	3	PHILOS 1105	Intro to Philosophy or other philosophy	3
	<i>See your advisor for course options</i>			Other fine art, literature, or philosophy elective	3
Total Hours		3	Total Hours		12

Social Sciences

(Select up to 12 hours to include History 1100 and 1200)

HIST 108	World Civilization Before 1500	3	HISTORY 1100	Early Western Civilization (required)	3
HIST 109	World Civilization After 1500	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
	<i>See your advisor for course options</i>			Other economics, political science, psychology, or sociology	3
Total Hours		6	Total Hours		12

Additional Degree Requirements (Select additional courses to total 60 credit hours)

MATH 132	Calculus and Analytical Geometry III	5	MATH 2222	Calculus with Analytic Geometry III	4
PHYS 118	General Physics I with Lab	5	PHYSICS 1135	Engineering Physics I	4
PHYS 119	General Physics II with Lab	5	PHYSICS 2135	Engineering Physics II	4
BIO 125	Biology I with Lab	5	BIO SCI 1113, 1219	General Biology and Lab	3
Total Hours		13	Total Hours		13

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.