

# State Fair Community College — Missouri S&T

## Chemistry BA Transfer Guide

Effective as of Fall 2023

### 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
<b>Total Hours</b>			<b>18</b>		

#### 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
<b>Total Hours</b>			<b>20</b>		

#### Humanities

(Select up to 9 hours to include at least one literature course.)

LIT 112 or LIT 107 or LIT 109	World Literature or American Literature or British Literature (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	World Literature I or American Literature Elective or British Literature Elective (or other literature elective)	3
ART 101 or MUS 101 or THEA 107	Art Appreciation or Music Appreciation or Intro to Theatre (or other fine art)	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video (or other fine art)	3
PHIL 101	Introduction to Philosophy	3	PHILOS 1105	Intro to Philosophy (or other philosophy)	3
	Other fine art, literature, or philosophy elective	3		Other fine art, literature, or philosophy elective	3
<b>Total Hours</b>			<b>3</b>		

#### Social Sciences

(Select up to 12 hours in two areas, 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
	Other history, economics, political science, psychology, or sociology	3		Other history, economics, political science, psychology, or sociology	3
<b>Total Hours</b>			<b>12</b>		

#### 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 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

#### 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.