

State Fair Community College — Missouri S&T
Chemistry BA with Secondary Education Teacher Certification 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
SPTH 101	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours		9	Total Hours		9

Social Sciences (Take all courses)

HIST 101 or HIST 102	US History Before 1877 or US History Since 1877	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	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		9	Total Hours		9

Humanities (Take all courses)

ART 101 or MUS 101	Art Appreciation or Music Appreciation	3	ART 1180 or MUSIC 1150	Art Appreciation or Music Appreciation	3
PHIL 101	Introduction to Philosophy	3	PHILOS 1105	Introduction to Philosophy	3
LIT 107	American Literature	3	ENGLISH 1222	American Literature 1865 to Present	3
Total Hours		9	Total Hours		9

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
BIO 125	Biology I with Lab	5	BIO SCI 1113	General Biology	3
Total Hours		25	Total Hours		21

Additional Degree Requirements (Select up to 19 hours)

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
CHEM 221	Organic Chemistry I with Lab	5	CHEM 2210, 2219	Organic Chemistry I and Lab	5
CHEM 222	Organic Chemistry II with Lab	5	CHEM 2220, 2229	Organic Chemistry II and Lab	5
Total Hours		15	Total Hours		16

Teacher Certification Requirements (Take all courses)

EDUC 209	Foundations of Education	3	EDUC 1040	Perspectives in Education	2
EDUC 220	Educational Psychology	3	PSYCH 2300 or EDUC 2102	Educational Psychology	3
PSY 210	Lifespan Development	3	PSYCH 3310	Developmental Psychology	3
Total Hours		9	Total Hours		8

***Teacher certification notes:** Passing scores on MoGEA and MoCA are required. Students must maintain a minimum 2.75 cumulative GPA and a minimum 3.0 content GPA. Students completing this program will have a BA degree in Chemistry with secondary education teacher certification.

Maximum credit hours to be transferred to Missouri S&T degree requirements.

75

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.