

State Fair Community College — Missouri S&T

Physics BS 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

Mathematics and Science (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
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
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	General Chemistry II	3
Total Hours		35	Total Hours		28

Social Sciences (Take all courses)

HIST 101 or HIST 102 or HIST 109	US History Before 1877 or US History Since 1877 or World Civilization After 1500	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200	American History to 1877 or American History Since 1877 or Modern Western Civilization	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
				Literature Elective	3
Total Hours		3	Total Hours		6

Additional Degree Requirements (Select up to 10 credit hours)

MATH 134	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
BIO 125	Biology I with Lab	5	BIO SCI 1113	General Biology	3
Total Hours		12	Total Hours		6

Additional Courses for Teacher Certification Option (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.

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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.