

State Fair Community College — Missouri S&T

Physics BS 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 (Required for AA degree.)	3	SPMS 1185	Principles of Speech (Not required for S&T degree. Transfers as free elective)	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
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
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
Total Hours		35	Total Hours		28

Social Sciences (Select 9 hours)

HIST 109 or HIST 101 or HIST 102 or POLS 101	World Civilization After 1500 or History Before 1877 or History Since 1877 or American/National Government <small>(At least one of these courses is required to satisfy state requirement)</small>	US US 3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200	Modern Western Civilization or American History to 1877 or American History Since 1877 or American Government <small>(At least one of these courses is required to satisfy state requirement)</small>	3
<i>See your advisor for course options</i>			Social Sciences	Social Sciences Elective: Any economics, history, political science, sociology, psychology elective	6
Total Hours		9	Total Hours		9

Humanities (Select 6 credit hours to include one literature and one additional humanities)

<i>See your advisor for course options</i>			Literature Elective (required)	3	
PHIL 101	Introduction to Philosophy	3	PHILOS 1105	Introduction to Philosophy	3
<i>See your advisor for course options</i>			Other fine art, literature, or philosophy elective	3	
Total Hours		6	Total Hours		6

Additional Degree Requirements (Select up to 12 hours)

MATH 134	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
CIS 155	Programming in C+	3	CS 1570	Intro to Programming (C++)	3
BIO 125	Biology I with Lab <small>(Required for AA degree)</small>	5	BIO SCI 1113	General Biology <small>(Transfers as required free elective)</small>	3
Total Hours		12	Total Hours		12

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.