

Jefferson College — Missouri S&T

Physics BS Transfer Guide

Effective as of Fall 2017

Partner School

Missouri S&T

Communication Skills (Take all courses)

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	Composition and Rhetoric II	3	ENGLISH 1160	Writing and Research	3
SPD 175	Public Speaking <small>(Required for AA degree)</small>	3	SPMS 1185	Principles of Speech <small>(Not required for S&T degree. Transfers as free elective)</small>	3
Total Hours			9		

Mathematics and Science (Take all courses)

MTH 180	Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 185	Calculus II	5	MATH 1215	Calculus for Engineers II	4
MTH 201	Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
CHM 111	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 112	General Chemistry II	5	CHEM 1320	General Chemistry II	3
PHY 123	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHY 124	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
Total Hours			33		

Social Sciences (Select 9 hours)

HIST 102 or HIST 103 or HIST 104 or PSC 102	Renaissance to Early Modern Europe or US History I or US History II or US and Missouri Govt. and Constitution <small>(At least one of these courses is required to satisfy state requirement)</small>	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		

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

<i>See your advisor for course options</i>					
PHL 101	Logic	3	PHILOS 1115	Literature Elective (required)	3
PHL 102	Intro to Philosophy	3	PHILOS 1105	Intro to Logic (preferred)	3
<i>See your advisor for course options</i>			Other fine art, literature, or philosophy elective		
Total Hours			6		

Additional Degree Requirements (Select up to 12 hours)

MTH 205	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
MTH 172	Linear Algebra	3	MATH 3108	Linear Algebra	3
CIS 155	Intro to Computer Programming	3	CS 1570, 1580	Intro to Programming and Lab	4
BIO 102	Concepts in Biology <small>(Required for AA degree)</small>	3	BIO SCI 1113	General Biology <small>(Transfers as required free elective)</small>	3
Total Hours			12		

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

68

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.