

Crowder College — Missouri S&T

Physics BS Transfer Guide

Effective as of Fall 2020

Crowder College

Missouri S&T

Communication Skills (Take all courses)

ENGL 101	English Composition	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102	Advanced English Composition	3	ENGLISH 1160	Writing and Research	3
COMM 104	Fundamentals of Speech <small>(if 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			Total Hours		
9			9		

Mathematics and Science (Take all courses)

MATH 150, 160	Calculus I Part I and II	5	MATH 1214	Calculus for Engineers I	4
MATH 201	Calculus II	5	MATH 1215	Calculus for Engineers II	4
MATH 202	Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
CHEM 111	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 112	General Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis* (2) <small>*Note: CHEM 1510 is not an S&T degree requirement; course will transfer as elective credit.</small>	3
PHYS 190	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 210	General Physics II	5	PHYSICS 2135	Engineering Physics II	4
Total Hours			Total Hours		
35			28		

Social Sciences (Select 9 hours)

HIST 102 or HIST 106 or HIST 107 or PLSC 103	Western Civilization II or U.S. History I or U.S. History II or National, State, Local Government <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			Total Hours		
9			9		

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

ENGL 240 or ENGL 230 or ENGL 222 or	British Literature I or Survey of American Literature I or World Literature I <small>(or other literature elective)</small>	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I <small>(or other literature elective)</small>	3
PHIL 201	Logic	3	PHILOS 1115	Intro to Logic	3
PHIL 101	Intro to Western Philosophy	3	PHILOS 1105	Intro to Philosophy	3
<i>See your advisor for course options</i>			Other fine art, literature, or philosophy elective		
Total Hours			Total Hours		
6			6		

Additional Degree Requirements (Select up to 12 hours)

MATH 210	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
COMP 111	Intro to Computer Science	4	CS 1500	Computational Problem Solving	3
BIOL 101	General Biology <small>(if required for AA degree)</small>	4	BIO SCI 1113,1219	General Biology and Lab <small>(not an S&T degree requirement; course will transfer as a elective credit)</small>	5
Total Hours			Total Hours		
11			11		

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.