

Crowder College — Missouri S&T

Physics BS Transfer Guide

Effective as of Fall 2017

Crowder College

Missouri S&T

Communication Skills (Take all courses)

ENGL 101	English Composition	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102	English Composition II	3	ENGLISH 1160	Writing and Research	3
SPCH 101	Speech (Required for AA degree)	3	SPMS 1185	Principles of Speech (Not required for S&T degree. Transfers as free elective)	3
		Total Hours			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	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 112	General Chemistry II	5	CHEM 1320	General Chemistry II	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			35
					Total Hours
					28

Social Sciences (Select 9 hours)

HIST 102 or HIST 106 or HIST 107 or PLSC 103	Western Civilization II or US History or US History II or National, State, and Local Government (At least one of these courses is required to satisfy state requirement)	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 (At least one of these courses is required to satisfy state requirement)	3	
		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)

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

Additional Degree Requirements (Select up to 12 hours)

MATH 210	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
COMP 111 or COMP 101	Intro to Computer Science	3	CS 1971, 1981 or CS 1570, 1580	Intro to Programming Method and Lab (C++) or Intro to Programming and Lab (C++)	3
BIOL 101	General Biology (Required for AA degree)	5	BIO SCI 1113	General Biology (Transfers as required free elective)	3
		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.