

Crowder College — Missouri S&T

Applied Mathematics 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 (Will apply to B.S. degree as free elective)	3
Total Hours			9	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
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			25	Total Hours	
			20		

Social Sciences (Take all courses)

HIST 102 or HIST 106 or HIST 107 or PLSC 103	Westen 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
ECON 202 or ECON 201	Principles of Economics II (Micro) or Principles of Economics I (Macro)	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics Other economics, history, political science, sociology, psychology elective	3
<i>See your advisor for course options</i>					
Total Hours			6	Total Hours	
			9		

Humanities (Take all courses)

<i>See your advisor for course options</i>					
6			Literature Elective		
6			Foreign Language		
			(2 semesters of same language)		
Total Hours			9	Total Hours	
			9		

Additional Degree Requirements (Select up to 17 hours)

MATH 210	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
CHEM 111 or BIOL 101	General Chemistry or General Biology I	5	CHEM 1310, 1319 or BIO SCI 1113, 1219	General Chemistry I and Lab or General Biology and Lab	5
COMP 111 or COMP 101	Intro to Computer Science Intro to Computer Science	3	CS 1570, 1580 or CS 1971, 1981	Intro to Programming or Intro to Programming Methodology and Lab	3
Total Hours			17	Total Hours	
			17		

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

72

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.