

Mineral Area College — Missouri S&T

Applied Mathematics BS Transfer Guide

Effective as of Fall 2017

Mineral Area College

Missouri S&T

Communication Skills (Take all courses)

ENG 1330	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 1340	English Composition	3	ENGLISH 1160	Writing and Research	3
ENG 1440	Public Speaking <small>(required for AA Degree)</small>	3	SPMS 1185	Principles of Speech <small>(Will apply to B.S. degree as free elective)</small>	3
Total Hours			9		

Mathematics and Science (Take all courses)

MAT 1650	Analytical Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MAT 2150	Analytical Geometry and Calculus II	5	MATH 1215	Calculus for Engineers II	4
MAT 2250	Analytical Geometry and Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
PHS 2230	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHS 2240	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
Total Hours			23		

Social Sciences (Take all courses)

HIS 1230 or HIS 1240 or HIS 1140 or POS 1180	American History I or American History II or Western Civilization II or American Political Systems	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
BUS 2940 or BUS 2930	Principles of Microeconomics or Principles of Macroeconomics	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		

Humanities (Take all courses)

<i>See your advisor for course options</i>		3	Literature Elective	3
Foreign Language <small>(2 semesters of same language)</small>		6	Foreign Language <small>(2 semesters of same language)</small>	6
Total Hours			9	

Additional Degree Requirements (Select up to 17 hours)

MAT 2330	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
PHS 1350 or BIO 1150	General Chemistry I or General Biology	5	CHEM 1310, 1319 or BIO SCI 1113, 1219	General Chemistry I and Lab or General Biology and Lab	5
CSC 2370 or CSC 2400	Computer Programming Fortran or Computer Programming in C++	3	CS 1970, 1980 or CS 1971, 1981	Basic Scientific Programming and Lab or Intro to Programming Methodology and Lab	3
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.