

Three Rivers College — Missouri S&T

Applied Mathematics BS Transfer Guide

Effective as of Fall 2017

Three Rivers College

Missouri S&T

Communication Skills (Take all courses)

ENGL 111	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 112	English Composition II	3	ENGLISH 1160	Writing and Research	3
SCOM 110	Public Speaking (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 171	Analytical Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MATH 271	Analytical Geometry and Calculus II	5	MATH 1215	Calculus for Engineers II	4
MATH 272	Analytical Geometry and Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
PHYS 211	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 212	General Physics II	5	PHYSICS 2135	Engineering Physics II	4
Total Hours					25
Total Hours					20

Social Sciences (Take all courses)

HIST 122 or HIST 111 or HIST 112 or GOVT 121	World Civ since Renaissance or American History to 1877 or American History Since 1877 or National & State 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 212 or ECON 211	Principles of Microeconomics or Principles of Macroeconomics <i>See your advisor for course options</i>	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics Other economics, history, political science, sociology, psychology elective	3 3
Total Hours					6
Total Hours					9

Humanities (Take all courses)

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

Additional Degree Requirements (Select up to 17 hours)

CHEM 121 or BIOL 101	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
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.