

Jefferson College — Missouri S&T

Applied Mathematics BS Transfer Guide

Effective as of Fall 2017

Partner School

Missouri S&T

Communication Skills (Take all courses)

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	Composition and Rhetoric II	3	ENGLISH 1160	Writing and Research	3
SPD 175	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)

MTH 180	Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 185	Calculus II	5	MATH 1215	Calculus for Engineers II	4
MTH 201	Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
PHY 123	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHY 124	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
Total Hours		23	Total Hours		20

Social Sciences (Take all courses)

HIST 102 or HIST 103 or HIST 104 or PSC 102	Renaissance to Early Modern Europe or US History I or US History II or US and Missouri Govt. and Constitution (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
ECO 102 or ECO 101	Microeconomics or 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
Total Hours		6	Total Hours		9

Humanities (Take all courses)

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

Additional Degree Requirements (Select up to 17 hours)

MTH 205	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
MTH 172	Linear Algebra	3	MATH 3108	Linear Algebra	3
CHM 111 or BIO 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
CIS 155 or CIS 152	Intro to Computer Programming or Fortran Programming	3	COMP SCI 1570, 1580 or COMP SCI 1970, 1980	Intro to Programming or Basic Scientific Programming 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.