

Moberly Area Community College — Missouri S&T

Applied Mathematics BS Transfer Guide

Effective as of Fall 2020

Moberly Area Community College

Missouri S&T

English and Communication Skills (Take all courses)

LAL 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
LAL 102 or IND 120	Composition II or Technical Report Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
LAL 150 or LAL 120 or LAL 210 or LAL 255 or LAL 125	English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature (or other literature elective)	3
Language and Communication Requirement Option 1 or Option 2 <small>The requirement will be satisfied by either 6 credits of Speech and Media Studies or 2 semesters of the same foreign language.</small>		6	Language and Communication Requirement Option 1 or Option 2 <small>The requirement will be satisfied by either 6 credits of Speech and Media Studies or 2 semesters of the same foreign language.</small>		6
Option 1: Foreign Language <small>(2 semesters of same language satisfies the Language and Communication Requirement.)</small>			Option 1: Foreign Language <small>(2 semesters of same language satisfies the Language and Communication Requirement.)</small>		
Option 2: Speech and Media Studies SPK 101 Public Speaking and one additional course <small>(6 credit hours of Speech and Media Studies satisfies the Language and Communication Requirement)</small>			Option 2: Speech and Media Studies SPMS 1185 Principles of Speech and one additional course <small>(6 credit hours of Speech and Media Studies satisfies the Language and Communication Requirement)</small>		
Total Hours			Total Hours		
15			15		

Social Sciences (Take all courses)

HST 102 or HST 105 or HST 106 or PSC 105	Western Civilization II or American History to 1865 or American History fromn 1865 or Intro to American Government <small>(At least one of these courses is required to satisfy state requirement)</small>	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
ECN 102* or ECN 101*	Microeconomics or Macroeconomics <small>*Students pursuing the Actuarial Science emphasis take BOTH ECON 1100 and 1200 (6 hours econ for a total of 9 hours social sciences).</small>	3	ECON 1100* or ECON 1200*	Principles of Microeconomics* or Principles of Macroeconomics* <small>*Students pursuing the Actuarial Science emphasis take BOTH ECON 1100 and 1200 (6 hours econ for a total of 9 hours social sciences).</small>	3
Total Hours			Total Hours		
6			6		

Mathematics and Science (Take all courses)

MTH 201	Analytic Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 202	Analytic Geometry and Calculus II	5	MATH 1215	Calculus for Engineers II	4
MTH 203	Analytic Geometry and Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
MTH 250	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
PHY 201	Engineering Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHY 202	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
PHY 121 or BIO 101	General Chemistry I or Biology	5	CHEM 1310, 1319 or BIO SCI 1113, 1219	General Chemistry I and Lab or General Biology and Lab	5
See your advisor for course options		3	Technical electives in biology, chemistry, computer science, economics, engineering, geology, mechanics, or physics approved by advisor.		3
Total Hours			Total Hours		
36			38		

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

68

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.