Moberly Area Community College — Missouri S&T

Applied Math BS with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2023

Moberly Area Community College			Missouri S&T		
Communication Skills (Take all courses)					
LAL 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
LAL 102	Composition II	3	ENGLISH 1160	Writing and Research	3
SPK 101	Public Speaking	3	SPMS 1185	Principles of Speech	3
	Total Hours	9		Total Hours	9
Mathematics and Science (Take all courses)					
MATH 140	Precalculus Algebra	3	MATH 1140*	College Algebra* *Required for teacher certification; not a Mathematics BS requirement.	3
MATH 145	Precalculus Trigonometry	3	MATH 1160*	Trigonometry* *Required for teacher certification; not a Mathematics BS requirement.	2
MTH 201	Analytic Geometry and Calculus I	5	MATH 1214	Calculus I	4
MTH 202	Analytic Geometry and Calculus II	5	MATH 1215	Calculus II	4
MTH 203	Analytic Geometry and Calculus III	5	MATH 2222	Calculus III	4
PHY 201	Engineering Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHY 202	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
	Total Hours	31		Total Hours	25
Social Sciences (Take all courses)					
HST 102 or HST 105 or HST 106	Western Civilization II or American History to 1865 or American History fromn 1865	3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310	Modern Western Civilization or American History to 1877 or American History Since 1877	3
PCS 105	Intro to American Government	3	POL SCI 1200	American Government	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
ECN 102 or ECN 101	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
	Total Hours	12		Total Hours	12
Humanities (Take all courses)					
ART 101 or ART 102 or MUS 101 or MUS 102 or DRM 120 or PHI 150	Art Survey and Appreciation I or Art Survey and Appreciation II or Fundamentals of Music or Music Appreciation or Theatre Appreciation or Intro to Philosophy	3	ART 1180 or MUSIC 1150 or THEATRE 1190 or PHILOS 1105	Art Appreciation or Music Appreciation or Theatre via Video or Intro to Philosophy	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	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
	Total Hours	6		Total Hours	6
Additional Degree Requirements **Select additional courses to total up to the maximum transfer credit hours shown below.**					
MTH 250	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
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
Additional Courses for Teacher Certification Option (Take all courses)					
EDU 220	Foundations of Education in a Diverse Society	3	EDUC 1040	Perspectives in Education	2
EDU 245	Educational Psychology	3	PSYCH 2300 (EDUC 2102)	Educational Psychology	3
PSY 205	Human Lifespan Development	3	PSYCH 3310	Developmental Psychology	3
EDU 242	Educational of Exceptional Learners	3	PSYCH 4310	Psychology of the Exceptional Child	3
	Total Hours	12		Total Hours	11

Professional Requirements for Teacher Education Program: Please view all program requirements at https://teachereducation.mst.edu/secondaryeducation/.

Maximum credit hours to be transferred to Missouri S&T degree requirements. 60

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.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2023. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.