St. Louis Community College — Missouri S&T

Applied Mathematics BS Transfer Guide

Effective as of Fall 2023

	St. Louis Community College			Missouri S&T	
	English and Co	mmuni	ication Skills (Take all	courses)	
ENG 101	College Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102 or	College Composition II or	3	ENGLISH 1160 or	Writing and Research or	3
ENG 103	Report Writing	3	ENGLISH 3560	Technical Writing	3
COM 107	Public Speaking	3	SPMS 1185	Principles of Speech	3
	Total Hours	s 6		Total Hours	6
		Н	lumanities		
	(Select 9 hou	rs to in	clude at least one lite	rature.)	
ENG 210 or	British Literature I or		ENGLISH 1211 or	British Literature I or	
NG 211 or	British Literature II or		ENGLISH 1212 or	British Literature II or	
ENG 204 or	American Literature I or		ENGLISH 1221 or	American Literature 1600 to 1865 or	
NG 205 or	American Literature II or	3	ENGLISH 1222 or	American Literature 1865 to Present or	3
NG 231 or	World Literature or	Ū	ENGLISH 1231 or	World Literature I or	Ū
NG 216 or	Women in Literature or		ENGLISH 2242 or	Literature by Women or	
NG 217	Major Black Writers (or other literature elective)		ENGLISH 2245	African American Literature or other literature At least one literature course is required.	
PSY 200	General Psychology	3	PSYCH 1101	General Psychology or other psychology	3
	, 0,			Self and World: Intro to Philosophy	
PHL 101	Intro to Philosophy	3	PHILOS 1105	or other philosophy	3
ART 100	Art Appreciation	3	ART 118	Art Appreciation or other art	3
MUS 114	Music Appreciation	3	MUS 1150	Music Understanding and Appreciation	3
THT 101	Intro to Theatre	3	THEATRE 1190	Theatre via Video or other theater	3
	Any foreign language	3		Any foreign language	3
	Any fine art, English, music, philosophy or speech.	3		Any fine art, English, music, philosophy or speech.	3
	Any history, political sicence, or psychology.	3		Any history, political sicence, or psychology.	3
	Total Hours	s 6		Total Hours	9
	Social	Science	ces (Take all courses)		
HST 128 or	Western Civilization 1500 to Present or		HISTORY 1200 or	Modern Western Civilization or	
HST 101 or	US History to 1865 or		HISTORY 1300 or	American History to 1877 or	
HST 102 or	US History 1865 to Present or	3	HISTORY 1310 or	American History Since 1877 or	3
PSC 101	Intro to American Politics	Ü	POL SCI 1200	American Government	Ŭ
	(At least one of these courses is required to satisfy state requirement)			(At least one of these courses is required to satisfy state requirement)	
				Principles of Microeconomics* or	
ECO 152 or	Principles of Microeconomics or	•	ECON 1100* or	Principles of Macroeconomics*	
ECO 151	Principles of Macroeconomics	3	ECON 1200*	*Students pursuing the Actuarial Science emphasis take BOTH ECON	3
	·			1100 and 1200 (6 hours econ for a total of 9 hours social sciences).	
	Total Hours			Total Hours	6
		cs and	Science (Take all cou	rses)	
MTH 210	Analytical Geometry and Calculus I	5	MATH 1214	Calculus I	4
MTH 220	Analytical Geometry and Calculus II	5	MATH 1215	Calculus II	4
MTH 230	Analytical Geometry and Calculus III	5	MATH 2222	Calculus III	4
MTH 240	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
MTH 215	Linear Algebra	3	MATH 3108	Linear Algebra	3
PHY 122	Engineering Physics	5	PHYSICS 1135	Engineering Physics I	4
PHY 223	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
IS 167 or	C++ Programming I (4) or				
IS 187 or	Java Programming I (4) or	3	CS 1500	Computational Problem Solving	3
IS 280	Python (3)				
CHM 105 or	General Chemistry I or	5	CHEM 1310, 1319 or	General Chemistry I and Lab or	4-5
BIO 111	Intro to Biology I		BIO SCI 1113, 1219	General Biology and Lab	
	Total Hours			Total Hours	29
			egree Requirements	and Peterson of some Latina	
	Select additional courses to total	up to t	ne maximum transfer	crean nours shown below.	
	Technical electives in biology, chemistry,			Technical electives in biology, chemistry, computer	
	computer science, economics, engineering,	3		science, economics, engineering, geology,	3
	geology, mechanics, or physics approved by	-		mechanics, or physics approved by advisor.	
	advisor.				
	Maximum Free Electives	14		Maximum Free Electives	14
	Maximum credit hours to be tra	nsferre	ed to Missouri S&T de	gree requirements.	60
	Missouri S&T residency requirements: The la	ast 60 hou	ırs of any Missouri S&T degree r	must be completed at Missouri S&T.	
	Students must receive special permission from Missouri S&	T to apply		nours 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.