Metropolitan Community College — Missouri S&T Applied Mathematics BS Transfer Guide Effective as of Fall 2024

	Metropolitan Community College			Missouri S&T	
	English	and Con	nmunication Skills		
		Take all	courses.		
ENGL 101	Composition and Reading I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or	Composition and Reading II or	3	ENGLISH 1160 or	Writing and Research or	3
ENGL 215	Technical Writing		ENGLISH 3560	Technical Writing	
COMM 100	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3
	Total Hour			Total Hours	9
	2		anities		
ENGL 220 or	British Literature to 1750 or	irs to inclu	de at least one literature. ENGLISH 1211 or	British Literature I or	
ENGL 221 or	British Literature 1750 to Present or		ENGLISH 1212 or	British Literature II or	
ENGL 222 or	American Literature I or		ENGLISH 1221 or	American Literature 1600 to 1865 or	
ENGL 223 or	American Literature II or	3	ENGLISH 1222 or	American Literature 1865 to Present or	2
ENGL 254 or	World Literature I or	3	ENGLISH 1231 or	World Literature I or	3
ENGL 268 or	Women's Literature or		ENGLISH 2242 or	Literature by Women or	
ENGL 260	African-American Literature		ENGLISH 2245	African American Literature or other literature	
	At least one literature course is required.			At least one literature course is required.	
PSYC 140	General Psychology	3	PSYCH 1101	General Psychology	3
PHIL 100	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
PHIL 100	or other philosophy	3	PHILOS 1105	or other philosophy	3
ART 108	Survey of Art or other art	3	ART 118	Art Appreciation	3
MUSI 108	Music Appreciation or other music	3	MUS 1150	Music Understanding and Appreciation	3
SPDR 106	Theatre Appreciation or other theatre		THEATRE 1190	Theatre via Video	3
Foreign Language	Any foreign language	3	Foreign Language	Any foreign language	3
Humanities	Any fine art, English, music, theatre, philosophy or	3	Humanities	Any fine art, English, music, theatre, philosophy or	3
. ramanao	speech.			speech.	
Social Science	Any history, political sicence, or psychology.	3	Social Science	Any history, political sicence, or psychology.	3
	Total Hour	s 9		Total Hours	9
		Social S	Sciences		
		Take all	courses.		
HIST 134 or	Modern Western Civilization or	ranc an	HISTORY 1200 or	Modern Western Civilization or	
HIST 120 or	United States History to 1865 or		HISTORY 1300 or	American History to 1877 or	
HIST 120 or	United States History since 1865 or	3	HISTORY 1310 or	American History Since 1877 or	3
POLS 136	Intro to U.S. National Politics		POL SCI 1200	American Government	-
1 020 100	At least one of these courses is required to satisfy state requirement.		1 02 001 1200	At least one of these courses is required to satisfy state requirement.	
ECON 211* or	Microeconomics or		ECON 1100* or	Principles of Microeconomics* or	
ECON 210*	Macroeconomics		ECON 1200*	Principles of Macroeconomics*	
	*Students pursuing the Actuarial Science emphasis take BOTH ECON 211 an	id 3		*Students pursuing the Actuarial Science emphasis take BOTH ECON 1100	3
	210 (6 hours econ for a total of 9 hours social sciences.			and 1200 (6 hours econ for a total of 9 hours social sciences.	
	Total Hour	s 6		Total Hours	6
			, and Computer Sci		
	matricinatios, c			51100	
MATILIANO			courses.		
MATH 180	Analytic Geometry & Calculus I	5	MATH 1214	Calculus I	4
MATH 190 MATH 210	Analytic Geometry & Calculus II	5	MATH 1215	Calculus II	4
_	Analytic Geometry & Calculus III	4	MATH 2222	Calculus III	4
MATH 230	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
ENGR 215	Engineering Statistics and Computation	3	STAT 3115	Engineering Statistics	3
CSIS 271	Data Structures	3	CS 1500	Computational Problem Solving	3
	Total Hour	s 23		Total Hours	3 21
			ence		
	Select PHYSICS 1135 and 2 additional courses fr				
PHYS 220	Engineering Physics I required	5	PHYSICS 1135	Engineering Physics I required	4
PHYS 221	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
CHEM 111	General College Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 112	General College Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2)	3
	, ,			*CHEM 1510 is not an S&T degree reguirement. Will transfer as general credit	
BIOL 101 or BIOL 123	General Biology (5) or General Biology for Majors I (4)	4-5	BIO SCI 1113, 1219 or BIO SCI 1213, 1219	General Biology and Lab or Pringiples of Biology and Lab	4
DIOL 120	Total Hour	s 13	DIO 001 1210, 1210	Total Hours	13
			ee Requirements	1010111001	
	Select additional courses to total	up to the i	maximum transfer credit		
	Technical electives in biology, chemistry, computer	_		Technical electives in biology, chemistry, computer	•
Technical Electives	science, economics, engineering, geology, mechanics,	3	Technical Electives	science, economics, engineering, geology, mechanics,	3
	or physics approved by advisor.			or physics approved by advisor.	
Electives	Maximum Free Electives	14	Electives	Maximum Free Electives	14
	Maximum credit hours to be trans	terred to	Mıssouri S&T degi	ree requirements.	60
	Missouri S&T residency requirements: The last	60 hours of	any Missouri S&T degree mus	st be completed at Missouri S&T.	
	Students must receive special permission from Missouri S&T to	apply more	than the maximum credit hou	irs listed above toward the Missouri S&T degree.	
	Students are not required to comple	all COURSES	s on this guide before transfel	Ting to Missouri Sa I.	
This transfer guide is publish	hed by Missouri University of Science and Technology and is in effect as of Fall 202	4. Further inforn	nation or updates are available from	Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-	522-0938.