## Metropolitan Community Colleges — Missouri S&T Applied Mathematics BS

	Tra		fective as of Fall 2025		
			es on this guide before transfer	ring to Missouri S&T.	
	Metropolitan Community Colleges			Missouri S&T	
	E	nglish and Co	mmunication Skills		
ENOL 404	Occupacition and Boardinal		all courses.	Figure 18 and Annual Addition	
ENGL 101 ENGL 102 or	Composition and Reading I Composition and Reading II or	3	ENGLISH 1120 ENGLISH 1160 or	Exposition and Argumentation Writing and Research or	3
ENGL 215 or	Technical Writing or	3	ENGLISH 3560 or	Technical Writing or	3
COMM 100	Fundamentals of Speech	ours 6	SPMS 1185	Principles of Speech	. 6
	Total H Mathem		s, and Computer Science	Total Hour	s 6
	matiletti		all courses.	•	
MATH 180	Analytic Geometry & Calculus I	5	MATH 1214	Calculus I	4
MATH 240	Analytic Geometry & Calculus II	5	MATH 215	Calculus II	4
MATH 210 MATH 230	Analytic Geometry & Calculus III Differential Equations	4 3	MATH 2222 MATH 3304	Calculus III Elementary Differential Equations	4
ENGR 215	Engineering Statistics and Computation	3	STAT 3115	Engineering Statistics	3
CSIS 271	Data Structures	3	CS 1500	Computational Problem Solving	3
	Total H			Total Hour	s 21
		Natura	I Sciences		
	Select PHYSICS 1135 and 1 additional c				
PHYS 220	Engineering Physics I required	5	PHYSICS 1135	Engineering Physics I required	4
PHYS 221 CHEM 111	Engineering Physics II General College Chemistry I	5 5	PHYSICS 2135 CHEM 1301	Engineering Physics II Introductory Chemistry	4
	- ·			General Chemistry II (3) and Qualitative Analysis (2)	
CHEM 112	General College Chemistry II	5	CHEM 1320, 1510*	*CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
BIOL 101 or	General Biology (5) or	4-5		BIO General Biology and Lab or	4
BIOL 123 BIOL 204	General Biology for Majors I (4) Genetics	3	SCI 1213, 1219 BIO SCI 2223	Principles of Biology and Lab Genetics	3
GEOL 101	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology or higher geology	3
GEOE 101		ours 13	OLOLOGI III0	Total Hour	
			nces General Education R		
	Erom the options	listed in each au	roup bolow coloot 45 bours to	a include	
			oup below, select 15 hours to om at least two specific disci		
			ces from at least two specific		
*/	At least one course must be selected from HISTORY 1				
		Humanities	s and Fine Arts		
		6 hours from at le	east two specific disciplines.		
ENGL 220 or ENGL 221 or	British Literature to 1750 or British Literature 1750-Present or		ENGLISH 1211 or ENGLISH 1212 or	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present	
ENGL 221 or	American Literature to 1860 or		ENGLISH 1212 or	American Literature: 1600 to 1865 or	
ENGL 223 or	American Literature 1860-Present or		ENGLISH 1222 or	American Literature: 1865 to Present or	
ENGL 254 or	World Literature I or	6	ENGLISH 1231 or	World Literature I: Beginnings to the Renaissance or	6
HIST 120* or HIST 121* or	United States History to 1865* or United States History since 1865* or	O	HISTORY 1300* or HISTORY 1310* or	American History to 1877 or American History Since 1877 or	0
ART 108 or	Survey of Art or		ART 1180 or	Art Appreciation or	
MUSI 108 or	Music Appreciation or		MUSIC 1150 or	Music Understanding and Appreciation or	
SPDR 106	Theatre Appreciation *Satisfies the State of Missouri government requirement.		THEATRE 1150	Theatre for Social Change *Satisfies the State of Missouri government requirement.	
Behavioral and Socia					Sele
ECON 211 or	6 hours to include EC	ON 1100 or 1200	O and from at least two specific ECON 1100 or	disciplines.  Principles of Microeconomics or	
ECON 211 01 ECON 210	Macroeconomics	3	ECON 1100 01 ECON 1200	Principles of Macroeconomics  Principles of Macroeconomics	3
HIST 133 or	Foundations of Western Civilization or		HISTORY 1100 or	Early Western Civilization or	
HIST 134* or	Modern Western Civilization* or		HISTORY 1200* or	Modern Western Civilization or	
GEOG 105 or	World Geography or		HISTORY 2110 or	World Regional Geography or	
PHIL 100 or PHIL 103 or	Intro to Philosophy or Intro to Critical Thinking or	2	PHILOS 1105 or PHILOS 1115 or	Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or	•
PHIL 200 or	Logic or	3	POL SCI 1200* or	American Government or	3
<b>POLS 136*</b> or PSYC 140 or	Intro to US National Politics* or		PSYCH 1101or	General Psychology or	
Foreign Language	General Psychology or Elementary or Intermediate Foreign Language		Foreign Language	Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	
3 3 3	*Satisfies the State of Missouri government requirement.				
	F		, and Social Sciences et 3 hours.		
			ot o riours.		
	Humanities, Arts, Social Sciences Elective: Any history art, music, theater, English and technical communicatio	n		Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication,	
HASS Elective	philosophy, political science, psychology, economics,	''', 3	HASS Elective	philosophy, political science, psychology, economics,	3
	etymology, or foreign language.			etymology, or foreign language.	
		Additional Deg	ree Requirements		
			maximum transfer credit hours	s shown below.	
	Technical electives in biology, business, chemistry,			Technical electives in biology, business, chemistry,	
Technical Electives	computer science, economics, education, engineering, finance, geology, geophysics, information science and		Technical Electives	computer science, economics, education, engineering, finance, geology, geophysics, information science and	
recimical Lieutives	technology, marketing, mechanics, physics, or technica	I	recrimical Electives	technology, marketing, mechanics, physics, or technical	
	communication approved by advisor.			communication approved by advisor.	
Electives	Free Electives		Electives	Free Electives	
	Maximum aradit haves to be	n transferred 4	o Miccouri COT dograe	nauiramanta	60
	Maximum credit hours to be	e transferred t	wissouri sa i degree re	equirements.	60

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

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 2025.
Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.