## State Fair Community College — Missouri S&T Applied Mathematics BS Transfer Guide Effective as of Fall 2025

			ective as of Fall 2025		
	·	complete all course	s on this guide before transferring		
	State Fair Community College			Missouri S&T	
			nmunication Skills		
ENGL 101	English Composition I	3	Il courses. ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or	English Composition II or	3	ENGLISH 1160 or	Writing and Research or	3
COM 101	Public Speaking Tota	al Hours 6	SPMS 1185	Principles of Speech  Total Hour	
			s, and Computer Science	Total Hou	
			l courses.		
MATH 130 MATH 131	Calculus and Analytic Geometry I Calculus and Analytic Geometry II	5 5	MATH 1214 MATH 1215	Calculus I Calculus II	4
MATH 132	Calculus and Analytic Geometry III	5	MATH 2222	Calculus III	4
MATH 134	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
CIS 120 or CIS 155	Programming in Python or Programming in C#	3	COMP SCI 1500	Computational Problem Solving	3
	5 5	al Hours 21		Total Hou	rs 18
			Sciences		
PHYS 211	Select PHYSICS 1135 and 1 additional Engineering Physics I with Lab	ol course from the opt	tions below. A total of 7 hours will PHYSICS 1135	Il apply to this requirement.  Engineering Physics I required	4
PHYS 212	Engineering Physics I with Lab	5	PHYSICS 2135	Engineering Physics II	4
CHEM 123	General Chemistry I with Lab	4	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 124	General Chemistry II with Lab	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2)  *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3
BIO 112 or	Principes of Biology with Lab or	4	BIO SCI 1113, 1219 or BIO		4
BIO 125 BIO 210	General Biology Principles of Genetics with Lab	4	SCI 1213, 1219 BIO SCI 2223	Principles of Biology and Lab Genetics	3
EASC 106 or	Intro to Geology with Lab (4) MOTR GEOL 100L or	3		Physical and Environmental Geology MOTR GEOL 100	3
EASC 118	Environmental Geology (3) MOTR GEOL 100	al Hours 13	GEOLOGY 1110	or higher geology  Total Hour	
			ces General Education Rec		5 /
*,	6 hours Humanit	ies and Fine Arts fro Il and Social Scienc	oup below, select 15 hours to in om at least two specific discipli es from at least two specific dis or POL SCI 1200 to satisfy the	nes and sciplines.	
	Sal		and Fine Arts ast two specific disciplines.		
LIT 109 or LIT 107 or LIT 112 or HIST 101* or HIST 102* or ART 101 or MUS 101 or THEA 107	British Literature or American Literature or World Literature or US History Before 1877* or US History Since 1877* or Art Appreciation or Music Appreciation or Intro to Theatre	6	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change	6
Behavioral and Socia	*Satisfies the State of Missouri government requirement.  al Sciences			*Satisfies the State of Missouri government requirement.	Selec
ECON 102 or		ECON 1100 or 1200	and from at least two specific dis	ciplines.  Principles of Microeconomics or	
ECON 102 01 ECON 101	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics of	3
HIST 108 or HIST 109* or GEOG 101 or PHL 101 or POLS 101* or PSY 101 or Foreign Language	World Civilization Before 1500 or World Civilization After 1500* or World Regional Geography or Intro to Philosophy or American/National Government* or General Psychology or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3	HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101or Foreign Language	Early Western Civilization or  Modern Western Civilization or World Regional Geography or Self and World: Intro to Philosophy or American Government or General Psychology or Elementary or Intermediate Foreign Language **Satisfies the State of Missouri government requirement.	3
			and Social Sciences	•	
HASS Elective	Humanities, Arts, Social Sciences Elective: Any hist art, music, theater, English and technical communica philosophy, political science, psychology, economics etymology, or foreign language.	ory, ation,	i 3 hours.  HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
		Additional Degr	ree Requirements		
Technical Electives	Technical electives in biology, business, chemistry, computer science, economics, education, engineerir finance, geology, geophysics, information science at technology, marketing, mechanics, physics, or techn communication approved by advisor.	ng, nd	maximum transfer credit hours sl	Technical electives in biology, business, chemistry, computer science, economics, education, engineering, finance, geology, geophysics, information science and technology, marketing, mechanics, physics, or technical communication approved by advisor.	
Electives	Free Electives		Electives	Free Electives	
	Missouri S&T residency requireme Students must receive special permission from Mi	nts: The last 60 hours of ssouri S&T to apply more	o Missouri S&T degree requ any Missouri S&T degree must be comp than the maximum credit hours listed a so on this guide before transferring to Mi	pleted at Missouri S&T. bove toward the Missouri S&T degree.	60
	This transfer milde is n	oublished by Missouri University	of Science and Technology and is in effect as of Fa	all 2025	

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.