State Fair Community College — Missouri S&T Applied Mathematics BS

Transfer Guide Effective as of Fall 2024

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	State Fair Community College			Missouri S&T	
	English a		mmunication Skills		
ENGL 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or	English Composition II or	3	ENGLISH 1160 or	Writing and Research or	3
ENGL 110 SPMS 1185	Communication for Business and Industry Principles of Speech	3	ENGLISH 1600 SPMS 1185	Intro to Technical Communications Principles of Speech	3
31 W3 1 103	Total Hours	9	31 W3 1 103	Total Hours	9
		Hun	nanities		
	Select 9 hour	s to incl	ude at least one literature		
LIT 109 or	British Literature or		ENGLISH 1211 or	British Literature I: The Beginnings to 1800 or	
LIT 107 or	American Literature or	3	ENGLISH 1221 or ENGLISH 1231	American Literature: 1600 to 1865 or	3
LIT 112	World Literature or other literature		ENGLISH 1231	World Literature I or other literature At least one literature course is required.	
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
PHIL 101	Introduction to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
ART 101	Art Appreciation	3	ART 118	Art Appreciation	3
MUS 101	Music Appreciation	3	MUS 1150	Music Understanding and Appreciation	3
THEA 107	Intro to Theatre	3	THEATRE 1190	Theatre via Video	3
Foreign Language	Any foreign language Any fine art, English, music, theatre, philosophy or		Foreign Language	Any foreign language Any fine art, English, music, theatre, philosophy or	
Humanities	speech.	3	Humanities	speech.	3
Social Science	Any history, political sicence, or psychology.	3	Social Science	Any history, political sicence, or psychology.	3
	Total Hours	9		Total Hours	9
		Social	Sciences		
		Take a	all courses.		
HIST 109 or	World Civilization After 1500 or		HISTORY 1200 or	Modern Western Civilization or	
HIST 101 or	US History Before 1877 or	2	HISTORY 1300 or	American History to 1877 or	2
HIST 102 or POLS 101	US History Since 1877 or American/National Government	3	HISTORY 1310 or POL SCI 1200	American History Since 1877 or American Government	3
POLS IUI	At least one of these courses is required to satisfy state requirement.		POL 3CI 1200	At least one of these courses is required to satisfy state requirement.	
ECON 102 or	Principles of Microeconomics or		ECON 1100* or	Principles of Microeconomics* or	
ECON 101	Principles of Macroeconomics	3	ECON 1200*	Principles of Macroeconomics* *Students pursuing the Actuarial Science emphasis take BOTH ECON 1100 and 1200 (6 hours econ for a total of 9 hours social sciences).	3
	Total Hours	6		Total Hours	6
	Mathematics, St	atistic	s, and Computer Sc	ience	
			all courses.		
MATH 130	Calculus and Analytic Geometry I	5	MATH 1214	Calculus I	4
MATH 131	Calculus and Analytic Geometry II	5	MATH 1215	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	CS 1500	Computational Problem Solving	3
010 100	Total Hours	21		Total Hours	18
			ience		
	Select PHYSICS 1135 and 2 additional courses fro			hours will apply to this requirement.	
PHYS 211	Engineering Physics I with Lab	5	PHYSICS 1135	Engineering Physics I required	4
PHYS 212	Engineering Physics II with Lab	5	PHYSICS 2135	Engineering Physics II	4
CHEM 123	General Chemistry I with Lab	5	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 an S&T degree reguirement. Will transfer as general credit.	3
BIO 112 or BIO 125	Intro to Biology with Lab or Biology I with Lab	5	BIO SCI 1113, 1219	General Biology and Lab	4
DIO 123	Total Hours	13		Total Hours	13
			ree Requirements		
	Select additional courses to total to	_		hours shown below.	
	Technical electives in biology, chemistry, computer			Technical electives in biology, chemistry, computer	
Technical Electives	science, economics, engineering, geology, mechanics, or physics approved by advisor.	3	Technical Electives	science, economics, engineering, geology, mechanics, or physics approved by advisor.	3
Electives	Maximum Free Electives	14	Electives	Maximum Free Electives	14
	Movimum anadit bassa ta ba tasa f	orre d	o Miccouri COT de	roo roquiromento	60
	Maximum credit hours to be transf	errea 1	to wiissouri 5& i deg	ree 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 2024. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.