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

	Mineral Area College			Missouri S&T	
	English ar		nmunication Skills		
ENO 4000	Facilish Composition I		l courses.	Execution and Assumentation	0
ENG 1330 ENG 1340	English Composition I English Composition	3	ENGLISH 1120 ENGLISH 1160	Exposition and Argumentation Writing and Research	3
ENG 1440	Public Speaking	3	SPMS 1185	Principles of Speech	3
	Total Hours	9		Total Hours	9
		Hum	anities		
	Select 9 hours	to inclu	de at least one literature		
ENG 2330 or	English Literature I or		ENGLISH 1211 or	British Literature I: The Beginnings to 1800 or	
ENG 2430 or ENG 2492	American Literature I or Women's Literatureor other literature At least one literature course is required.	3	ENGLISH 1221 or ENGLISH 2242	American Literature: 1600 to 1865 or Literature by Womenor other literature At least one literature course is required.	3
PSY 1130	General Psychology I	3	PSYCH 1101	General Psychology	3
PHI 1400	Intro to Philosophy or other philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy or other philosophy	3
ART 1490	History of Art I	3	ART 118	Art Appreciation	3
MUS 1630	Appreciation of Music	3	MUS 1150	Music Understanding and Appreciation	3
THE 1000	Intro to Theatre	3	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 speech.	3	Humanities	Any fine art, English, music, theatre, philosophy or 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
	5	Social	Sciences		
		Take al	l courses.		
HIS 1140 or	Western Civilization II or		HISTORY 1200 or	Modern Western Civilization or	
HIS 1230 or	American History I or		HISTORY 1300 or	American History to 1877 or	
HIS 1240 or	American History II or	3	HISTORY 1310 or	American History Since 1877 or	3
POS 1180	American Political Systems At least one of these courses is required to satisfy state requirement.	Ü	POL SCI 1200	American Government At least one of these courses is required to satisfy state requirement.	Ū
BUS 2940* or	Principles of Microeconomics or		ECON 1100* or	Principles of Microeconomics* or	
BUS 2930*	Principles of Macroeconomics *Students pursuing the Actuarial Science emphasis take BOTH ECON 2940 and 12930 (6 hours econ for a total of 9 hours social sciences).	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
			s, and Computer Sc		
	maticinatios, ot		l courses.	nerioc	
MAT 1650	Analytical Geometry and Calculus I	5	MATH 1214	Calculus I	4
MAT 2150	Analytical Geometry and Calculus II	5	MATH 1215	Calculus II	4
MAT 2250	Analytical Geometry and Calculus III	5	MATH 2222	Calculus III	4
MAT 2330	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
CSC 1100	Programming Logic	3	CS 1500	Computational Problem Solving	3
	Total Hours	21		Total Hours	18
		Sci	ence		
	Select PHYSICS 1135 and 2 additional courses fron	n the op	tions below. A total of 13	hours will apply to this requirement.	
PHS 1350	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHS 1390	General Chemistry II	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 1150	General Biology	5	BIO SCI 1113, 1219	General Biology and Lab	4
5.0 1100	Total Hours	13	-,	Total Hours	13
			ee Requirements	. star ribaro	
				t hours shown holow	
	Select additional courses to total up Technical electives in biology, chemistry, computer	p to the	maximum transfer credit	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
	Maximum credit hours to be transfe		_	•	60
	Missouri S&T residency requirements: The last 60 Students must receive special permission from Missouri S&T to ap Students are not required to complete	pply more	than the maximum credit hou	urs listed above toward the Missouri S&T degree.	
This transfer guide is publish	ned by Missouri University of Science and Technology and is in effect as of Fall 2024. F	urther infor	mation or updates are available from	Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu. or 800-52	2-0938.
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