## Jefferson College — Missouri S&T Applied Mathematics BS Transfer Guide Effective as of Fall 2025 re not required to complete all courses on this guide before transferring to Missouri S&T.

	Students are not required to com Jefferson College	plete all cour	rses on this guide before transferring	ng to Missouri S&T. Missouri S&T	
		alish and C	communication Skills	MISSOUT OUT	
	Eni		e all courses.		
ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102 or COM 110	English Composition II or Public Speaking	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech	3
	Total Hou	ırs 6	01 me 1100	Total Hours	6
	Mathemat Mathemat		ics, and Computer Science		
MTH 180	Calculus I	Take 5	e all courses.  MATH 1214	Calculus I	4
MTH 185	Calculus II	5	MATH 1215	Calculus II	4
MTH 201 MTH 205	Calculus III Differential Equations	5 3	MATH 2222 MATH 3304	Calculus III Elementary Differential Equations	4
MTH 172	Linear Algebra	3	MATH 3108	Linear Algebra	3
CIS 155	Intro to Computer Programming	3	COMP SCI 1500	Computational Problem Solving	3
	Total Hou		10.1	Total Hours	3 21
	Select PHYSICS 1135 and 1 additional cou		ral Sciences	ill apply to this requirement	
PHY 223	General Physics I	4	PHYSICS 1135	Engineering Physics I required	4
PHY 224	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
CHM 111	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 112	General Chemistry II	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 101 or	General Biology (5) or	4	BIO SCI 1113, 1219 or BIO	O General Biology and Lab or	4
BIO 103	Biology for Majors I (4)		SCI 1213, 1219	Principles of Biology and Lab	
BIO 201 PHY 105	Genetics Physical Geology	4	BIO SCI 2223 GEOLOGY 1110	Genetics Physical and Environmental Geology or higher geology	3
1111 103	Total Hou		GEGEGGT TITO	Total Hours	
	Humanities, Arts, and	Social Scie	ences General Education Re	quirements	
	From the options lis	sted in each	group below, select 15 hours to i	include	
			from at least two specific discipl		
			nces from at least two specific d		
**	At least one course must be selected from HISTORY 12			State of Missouri government requirement.	
	Select 6		ies and Fine Arts t least two specific disciplines.		
ENG 225 or	English Literature before 1800 or	nours nom a	ENGLISH 1211 or	British Literature I: The Beginnings to 1800 or	
ENG 226 or	English Literature after 1800 or		ENGLISH 1212 or	British Literature II: 1800 to Present	
ENG 228 or ENG 229 or	American Literature before 1865 or American Literature after 1865 or		ENGLISH 1221 or ENGLISH 1222 or	American Literature: 1600 to 1865 or American Literature: 1865 to Present or	
ENG 215 or	World Literature before 1650 or	0	ENGLISH 1231 or	World Literature I: Beginnings to the Renaissance or	•
HST 103* or HST 104* or	US History I to Reconstruction* or US History II from Reconstruction* or	6	HISTORY 1300* or HISTORY 1310* or	American History to 1877 or American History Since 1877 or	6
ART 101 or	Art Appreciation or		ART 1180 or	Art Appreciation or	
MUS 121 or THT 100	Appreciation of Music or Theatre Appreciation		MUSIC 1150 or THEATRE 1150	Music Understanding and Appreciation or Theatre for Social Change	
	*Satisfies the State of Missouri government requirement.			*Satisfies the State of Missouri government requirement.	
	Select 6 hours to include E		and Social Sciences r 1200 and from at least two specifi	c disciplines.	
ECO 102 or	Microeconomics or	3	ECON 1100 or	Principles of Microeconomics or	3
ECO 101	Macroeconomics	3	ECON 1200	Principles of Macroeconomics	3
HST 201 or	Ancient and Medieval Civilization or		HISTORY 1100 or	Early Western Civilization or	
HST 202* or	Renaissance to Early Modern Europe* MOTR WCIV 102 Or		HISTORY 1200* or	Modern Western Civilization or	
GEO 103 or PHL 102 or	World Regional Geography or Intro to Philosophy or		HISTORY 2110 or PHILOS 1105 or	World Regional Geography or Self and World: Intro to Philosophy or	
PHL 102 of PHL 101 or	Logic or	3	PHILOS 1105 or	Logic and Reasoning: An Introduction or	3
PSC 102* or	US and Missouri Government and Constitution* or General Psychology or		POL SCI 1200* or	American Government or General Psychology or	
PSY 101or Foreign Language	Elementary or Intermediate Foreign Language		PSYCH 1101or Foreign Language	Elementary or Intermediate Foreign Language	
0 0 0	*Satisfies the State of Missouri government requirement.			*Satisfies the State of Missouri government requirement.	
	ни		ts, and Social Sciences ect 3 hours.		
	Humanities, Arts, Social Sciences Elective: Any history,			Humanities, Arts, Social Sciences Elective: Any history,	
HASS Elective	art, music, theater, English and technical communication,	3	HASS Elective	art, music, theater, English and technical communication,	3
TIAGO LICCUVE	philosophy, political science, psychology, economics, etymology, or foreign language.	3	TIAGO Elective	philosophy, political science, psychology, economics,	3
	, 0,, 0 0 0			etymology, or foreign language.	
			egree Requirements	sharing balani	
	Select additional courses to Technical electives in biology, business, chemistry,	o total up to t	he maximum transfer credit hours s	Technical electives in biology, business, chemistry,	
_ ,	computer science, economics, education, engineering,		<b>-</b>	computer science, economics, education, engineering,	
Technical Electives	finance, geology, geophysics, information science and technology, marketing, mechanics, physics, or technical		Technical Electives	finance, geology, geophysics, information science and technology, marketing, mechanics, physics, or technical	
	communication approved by advisor.			communication approved by advisor.	
Electives	Free Electives		Electives	Free Electives	
	Maximum credit hours to be	transferred	to Missouri S&T degree rec	uirements.	60
			s of any Missouri S&T degree must be con	•	-
	Students must receive special permission from Missouri	S&T to apply m	ore than the maximum credit hours listed	above toward the Missouri S&T degree.	
	· ·		urses on this guide before transferring to M		
	This transfer guide is publishe Further information or updates are available	d by Missouri Univer from Missouri S&T T	rsity of Science and Technology and is in effect as of f ransfer Admissions at transfer.mst.edu, transfer@ms	=all 2025. st.edu, or 800-522-0938.	