Johnson County Community College — Missouri S&T

Applied Math BS with Secondary Education Teacher Certification
Transfer Guide Effective as of Fall 2025

<u>Joh</u> i	nson County Community College			Missouri S&T		
	C	ommı	unication Skills			
		Tak	e all courses.			
ENGL 121	Composition I	3	ENGLISH 1120	Exposition and Argumentation		3
ENGL 122 or	Composition II or	3	ENGLISH 1160 or	Writing and Research or		3
COMS 121	Public Speaking Total Hours	6	SPMS 1185	Principls of Speech	l Hours	6
			tics and Science	Total	rriours	
	ma		e all courses.			
MATH 241 and	Calculus I and		MATH 1214 and	Calculus I and		
MATH 242	Calculus II	10	MATH 1215	Calculus II		8
MATH 243	Calculus III	5	MATH 2222	Calculus III		4
PHYS 220	Engineering Physics I	5	PHYSICS 1135	Engineering Physics I		4
CHEM 124, 125 or BIOL 121 or GEOS 130	General Chemistry I and Lab (5) or Intro to Biology for Non-Majors (4) or General Geology (5)	4	CHEM 1310, 1319* or BIO SCI 1113, 1219* or GEOLOGY 1110	General Chemistry I (4) and Lab* (1) or General Biology* (3) and Lab* (1) or Physical and Environmental Geology (3) Satisfies the 3-hour science requirement. Credit hours apply to totals as indicated for each course. *BIO SCI 1213 will be substituted for 1113. CHEM 1319 and 1219 are not degree requirements, will transfer as general ele credit.	BIO SCI	3
	Total Hours	24		Total	l Hours	19
		Soci	ial Sciences			
		Tak	e all courses.			
HIST 140 or	US History to 1877 or		HISTORY 1300 or	American History to 1877 or		3
HIST 141	US History since 1877	3	HISTORY 1310	American History Since 1877		3
POLS 124	American National Government	3	POL SCI 1200	American Government		3
PSYC 130	Intro to Psychology Total Hours	3 9	PSYCH 1101	General Psychology	l Hours	3 9
	Total Hours			Total	I Hours	9
			umanities			
MUC 404	lutus to Music Listonian on	Sele	ct one course.			
MUS 121 or MUS 126	Intro to Music Listening or Intro to World Music	3	MUSIC 1150	Music Appreciation		3
PHIL 121	Intro to Philosophy	3	THEATRE 1190	Theatre via Video		3
ENGL 236 or ENGL 246 or ENGL 251	British Literature to 1800 or American Literature I or World Literature to 1620 or or other non-prerequisite literature	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or other non-prerequisite literature	r	3
	Total Hours	3		Total	l Hours	3
			egree Requirements			
MATHOEA	Select additional courses to tota					2
MATH 254 MATH 246	Differential Equations Elementary Linear Algebra	4	MATH 3304 MATH 3108	Elementary Differential Equations Linear Algebra		3
CS 235 or	, , , ,	J	Wirthfoldo	Elitedi / ligebia		Ü
CS 250	Object-Oriented Programming Using C++ or Basic Data Structures using C++	4	CS 1500	Computational Problem Solving		3
		Cantil	iantina Daminamanto			
	Teacher		fication Requirements			
EDUC 121	Introduction to Teaching	Tak 3	e all courses. EDUC 1074	Education in a Diverse Society		3
	•		EDUC 2102 or	·		
PSYC 225	Educational Psychology	3	PSYCH 2300	Educational Psychology		1
PSYC 215	Child Development	3	PSYCH 3310	Developmental Psychology		3
Professional Require	Total Hours ments for Teacher Education Program: Please view	9 vall pro	ogram requirements at https:		l Hours	7

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.

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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.