## Johnson County Community College — Missouri S&T Biological Sciences BS

Transfer Guide Effective as of Fall 2025

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

	Students are not required to complete  Johnson County Community College	e all cou	rses on this guide before transfer	ring to Missouri S&T.  Missouri S&T		
	<del></del>	Commu	ınication Skills			
		Take	e all courses.			
ENGL 121 or ENGL 119	Composition I (3) or College Composition I with Review (5)	3	ENGLISH 1120	Exposition and Argumentation	3	
ENGL 122 or ENGL 123	Composition II or Technical Writing I	3	ENGLISH 1160 or ENGLISH 3560*	Writing and Research or Technical Writing* *ENGLISH 3560 will be substituted for 1160. Either course applies to degree as	3	
	Total Hours	6		Gen Ed Communication requirement.  Total Hours	6	
Mathematics and Sciences						
Take all courses.						
BIOL 121	Intro to Biology for Non-Majors	4	BIO SCI 1113,1219	General Biology and Lab	4	
	Business and Applied Calculus I and II (6)			Survey of Calculus* (3)		
MATH 231 and 232	OR		MATH 1212*	OR		
OR MATH 241 and 242	Calculus I and II (10)  "The combination of JCCC MATH 231 and 232 is equivalent to Missouri S&T 1212. The combination of MATH 241 and 242 is equivalent to the combination of Missouri S&T 1214 and 1215. MATH 1215 is not a degree requirement but will transfer as elective credit.	6	OR MATH 1214 and 1215*	Calculus I and Calculus II* (8)  "The combination of JCCC MATH 231 and 232 is equivalent to Missouri S&T 1212. The combination of MATH 241 and 242 is equivalent to the combination of Missouri S&T 1214 and 1215. MATH 1215 is not a degree requirement but will transfer as elective credit.	4	
CHEM 124, 125	General Chemistry I and Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5	
CHEM 131	General Chemistry II Lecture	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3	
CHEM 220	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4	
CHEM 221	Organic Chemistry II	5	CHEM 2220, 2229	Organic Chemistry II and Lab	4	
PHYS 130 or PHYS 220	College Physics I or Engineering Physics I	5	PHYSICS 1145 or PHYSICS 1135	College Physics I or Engineering Physics I	4	
PHYS 131 or	College Physics II or	_	PHYSICS 2145 or	College Physics II or		
PHYS 221	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4	
	Total Hours Humanities, Arts, and Soc	39		Total Hours	32	
From the options listed in each group below, select 15 hours to include 6 hours Humanities and Fine Arts from at least two specific disciplines and 6 hours Behavioral and Social Sciences from at least two specific disciplines. *At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.						
	H	lumaniti	ies and Fine Arts			
	Select 6 hour	s from a	t least two specific disciplines.			
ENGL 236 or ENGL 237 or	British Literature to 1800 or British Literature after 1800 or		ENGLISH 1211 or	British Literature I: The Beginnings to 1800 or		
ENGL 237 or	American Literature I or		ENGLISH 1212 or ENGLISH 1221 or	British Literature II: 1800 to Present American Literature: 1600 to 1865 or		
ENGL 247 or	American Literature II or		ENGLISH 1222 or	American Literature: 1865 to Present or		
ENGL 251 or HIST 140* or	World Literature to 1620 or	6	ENGLISH 1231 or <b>HISTORY 1300</b> * or	World Literature I: Beginnings to the Renaissance or	6	
HIST 141* or	US History to 1877* or US History since 1877* or	O	HISTORY 1300 or	American History to 1877* or American History Since 1877* or	O	
MUS 121 or	Intro to Music Listening or		MUSIC 1150 or	Music Understanding and Appreciation or		
MUS 126 or THEA 120	Intro to World Music or Intro to Theatre		MUSIC 1150 or THEATRE 1150	Music Understanding and Appreciation or Theatre for Social Change		
TTLX 120	*Satisfies the State of Missouri government requirement.		THE TIME THOS	*Satisfies the State of Missouri government requirement.		
Behavioral and Social Sciences						
HIST 125 or	Western Civ: Ancient World to the Renaissance or	s from a	t least two specific disciplines.  HISTORY 1100 or	Early Western Civilization or		
HIST 151 or	World History: Traditional or		HISTORY 1100 or	Early Western Civilization or		
HIST 126* or	Western Civ: Scientific Revolution to Modern Age* or		HISTORY 1200* or	Modern Western Civilization* or		
GEOS 145 or PHIL 121 or	World Regional Geography or Intro to Philosophy or		HISTORY 2110 or PHIL 1105 or	World Regional Geography or Self and World: Intro to Philosophy or		
PHIL 124 or	Logic and Critical Thinking or	_	PHIL 1115 or	Logic and Reasoning: An Introduction or		
POLS 124* or	American National Government* or	6	POL SCI 1200* or	American Government*or	6	
PSYC 130 or ECON 231 or	Intro to Psychology or Principles of Microeconomics or		PSYCH 1101 or ECON 1100 or	General Psychology or Principles of Microeconomics or		
ECON 230 or	Principles of Macroeconomics or		ECON 1200 or	Principles of Macroeconomics or		
Foreign Language	Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.		Foreign Language	Elementary or Intermediate Foreign Language		
	• •			*Satisfies the State of Missouri government requirement.		
Humanities, Arts, and Social Sciences Select 3 hours.						
	Humanities, Arts, Social Sciences Elective: Any history, art,			Humanities, Arts, Social Sciences Elective: Any history, art,		
HASS Elective	music, theater, English and technical communication,	3	HASS Elective	music, theater, English and technical communication,	3	
	philosophy, political science, psychology, economics, etymology, or foreign language.			philosophy, political science, psychology, economics, etymology, or foreign language.		
	Total Hours	15		Total Hours	15	
Additional Degree Requirements						
Select additional courses to total up to the maximum transfer credit hours shown below.						
BIOL 135	Principles of Cellular and Molecular Biology	4	BIO SCI 2213, 2219	Cell Biology and Lab	4	
BIOL 205	General Genetics	3	BIO SCI 2223	General Genetics	3	
	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.  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.						
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