Johnson County Community College — Missouri S&T

Biological Sciences BS
Transfer Guide Effective as of Fall 2024

Johnson County Community College			Missouri S&T		
Communication Skills					
Take all courses.					
ENGL 121	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 122	Composition II	3	ENGLISH 1160	Writing and Research	3
	Total Hours	6		Total Hours	6
Social Sciences					
Select 9 credit hours to include one course to satisfy state requirement.					
HIST 126 or HIST 140 or HIST 141 or POLS 124	Western Civ: Scientific Revolution to Modern Age or US History to 1877 or US History since 1877 or American National Government. At least one of these courses is required to satisfy state requirement.	3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200	Modern Western Civilization or American History to 1877 or American History Since 1877 or American Government. At least one of these courses is required to satisfy state requirement.	3
ECON 231 or ECON 230	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSYC 130	Intro to Psychology	3	PSYCH 1101	General Psychology	3
Social Science	Other economics, history, political science, sociology, or psychology.	3	Social Science	Other economics, history, political science, sociology, or psychology.	3
	Total Hours	9		Total Hours	9
Humanities					
Select 6 hours.					
MUS 121 or MUS 126	Intro to Music Listening or Intro to World Music	3	MUSIC 1150	Music Understanding and Appreciation	3
THEA 120	Intro to Theatre	3	THEATRE 1190	Theatre via Video	3
ENGL 236	British Literature to 1800	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENGL 246	American Literature I	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENGL 251	World Literature to 1620	3	ENGLISH 1231	World Literature I	3
ENGL 217	Literature by Women	3	ENGLISH 2242	Literature by Women	3
PHIL 121	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
Fine Arts	Other fine art, literature, or philosophy	3	Fine Arts	Other fine art, literature, or philosophy	3
	Total Hours	6		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
MATH 231 and 232 OR MATH 241 and 242	Business and Applied Calculus I and II (6) OR 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	MATH 1212* OR MATH 1214 and 1215*	Survey of Calculus* (3) OR 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 an S&T degree requirement. Will transfer as general 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 PHYS 221	College Physics II or Engineering Physics II	5	PHYSICS 2145 or PHYSICS 2135	College Physics II or Engineering Physics II	4
	Total Hours	39		Total Hours	32
Additional Degree Requirements					
Select additional courses to total up to the maximum transfer credit hours shown below.					
BIOL 205	General Genetics	3	BIO SCI 2223	General Genetics	3

Maximum credit hours to be transferred to Missouri S&T degree requirements. **64**