

# Johnson County Community College — Missouri S&T

Environmental Science 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		

### Mathematics and Science

Take all courses.

MATH 231 and 232 OR MATH 241 and 242	Business and Applied Calculus I and II (6) OR Calculus I and II (10)	6	MATH 1212* OR MATH 1214 and 1215*	Survey of Calculus* (3) OR Calculus I and Calculus II* (8) <small>*The combination of JCCC MATH 231 and 232 is equivalent to Missouri S&amp;T 1212. The combination of MATH 241 and 242 is equivalent to the combination of Missouri S&amp;T 1214 and 1215. MATH 1215 is not a degree requirement but will transfer as elective credit.</small>	4
CHEM 124, 125	General Chemistry I and Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 131	General Chemistry II	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>*CHEM 1510 is not an S&amp;T degree requirement. Will transfer as general credit.</small>	3
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
GEOS 130	General Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
EVRN 130	Environmental Science	3	BIO SCI 1173	Intro to Environmental Sciences	3
BIOL 205	General Genetics	3	BIO SCI 2223	General Genetics	3
Total Hours			31		
Total Hours			25		

### Social Sciences and Humanities

Take all courses.

HIST 126 or HIST 140 or HIST 141	Western Civ: Scientific Revolution to Modern Age or US History to 1877 or US History since 1877	3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310	Modern Western Civilization or American History to 1877 or American History Since 1877	3
POLS 124	American National Government	3	POL SCI 1200	American Government	3
ECON 231	Principles of Microeconomics	3	ECON 1100	Principles of Microeconomics	3
PHIL 143	Ethics	3	PHILOS 1130	How Should I Live? An Intro to Ethics	3
Total Hours			12		
Total Hours			12		

### Additional Degree Requirements

Select additional courses to total up to the maximum transfer credit hours shown below.

BIOL 127	General Zoology	5	BIO SCI 2353	Zoology <small>Applies to degree as upper division elective.</small>	3
BIOL 125	General Botany	5	BIO SCI 2383	Plant Biology <small>Applies to degree as upper division elective.</small>	3
Electives	Free Electives	5	Electives	Free Electives	5

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

**61**

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.