

Johnson County Community College — Missouri S&T

Biological Sciences BA

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 or other composition course	3	ENGLISH 1160	Writing and Research or other composition course	3
Foreign Language	Foreign Language 3 semesters of same language OR 2 semesters of each of two different languages	12	Foreign Language	Foreign Language 3 semesters of same language OR 2 semesters of each of two different languages	12
Total Hours			Total Hours		
18			18		

Math and Sciences

Take all courses.

MATH 171	College Algebra or higher math	3	MATH 1140	College Algebra or higher math	3
BIOL 121	Intro to Biology for Non-Majors	4	BIO SCI 1113,1219	General Biology and Lab	4
CHEM 124, 125	General Chemistry I and Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 131, 132	General Chemistry II and Lab	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>*CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.</small>	3
Total Hours			Total Hours		
17			15		

Humanities

Select 9 hours to include at least one course in each of the following areas: fine arts (art, music, or theatre), philosophy, literature.

MUS 121 or MUS 126 or THEA 120	Intro to Music Listening or Intro to World Music or Intro to Theatre (or other fine art)	3	MUSIC 1150 or THEATRE 1190	Music Understanding and Appreciation or Theatre via Video or other fine art	3
ENGL 236 or ENGL 246 or ENGL 251 or ENGL 217	British Literature to 1800 or American Literature I or World Literature to 1620 or Literature by Women or other literature	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or other literature	3
PHIL 121	Intro to Philosophy or other philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy or other philosophy	3
Total Hours			Total Hours		
9			9		

Social Sciences

Select 6 hours to include classes in two of the following three areas: economics, political science, and psychology.

ECON 231 or ECON 230	Principles of Microeconomics or Principles of Macroeconomics or other economics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics or other economics	3
POLS 124	American National Government or other political science	3	POL SCI 1200	American Government or other political science	3
PSYC 130	Intro to Psychology or other psychology	3	PSYCH 1101	General Psychology or other psychology	3
Total Hours			Total Hours		
6			6		

Additional Degree Requirements

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

MATH 285 or MATH 181 or CS 200 or CS 250	Statistics for Business (4) or Statistics (3) or Concepts of Programming Algorithms Using C++ (4) or Basic Data Structures Using C++ (4)	3-4	STAT 3111 or STAT 1115* or CS 1971, 1981	Statistical Tools for Decision Making (3) or Statistics for the Social Sciences I* (3) or Intro to Programming Method and Lab (3) <small>Satisfies a computer science/statistics requirement. Credit hours apply to degree totals as indicated for each course. *Will be substituted for STAT 3111.</small>	3-4
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
CHEM 220	Organic Chemistry I	5	CHEM 2210, 2219*	Organic Chemistry I and Lab* <small>*CHEM 2219 is not an S&T degree requirement, will transfer as general elective credit.</small>	4
CHEM 221	Organic Chemistry II	5	CHEM 2220, 2229*	Organic Chemistry II and Lab* * <small>*CHEM 2229 is not an S&T degree requirement, will transfer as general elective credit.</small>	4
HIST 125 or HIST 151	Western Civ: Ancient World to the Renaissance or World History: Traditional	3	HISTORY 1100	Early Western Civilization	3
HIST 126	Western Civ: Scientific Revolution to Modern Age	3	HISTORY 1200	Modern Western Civilization	3

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

60

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.