

# Johnson County Community College — Missouri S&T

## Biological Sciences BA Transfer Guide

Effective as of Fall 2023

### Johnson County Community College

### Missouri S&T

#### Communication Skills (Take all courses)

ENGL 121	Composition I	3
ENGL 122	Composition II	3
COMS 121	Public Speaking (if required for AA degree)	3
	Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)	12
Total Hours		21

ENGLISH 1120	Exposition and Argumentation	3
ENGLISH 1160	Writing and Research (or other composition course)	3
SPMS 1185	Principles of Speech (Not required for S&T degree. Transfers as a free elective)	3
	Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)	12
Total Hours		21

#### Math and Sciences (Take all courses)

MATH 171	College Algebra (or higher level math)	3
BIOL 121	Intro to Biology for Non-Majors	4
CHEM 124, 125	General Chemistry I and Lab	5
CHEM 131	General Chemistry II Lecture	4
MATH 181 or MATH 285 or CS 200 or CS 250	Statistics (3) or Statistics for Business (4) or Concepts of Prog Algorithms Using C++ (4) or Basic Data Structures using C++ (4)	3
Total Hours		19

MATH 1140	College Algebra (or higher level math)	3
BIO SCI 1113,1219	General Biology and Lab	4
CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 1320	General Chemistry II	3
STAT 1115 or STAT 3111 or CS 1971, 1981	Statistics for Social Sciences I or Statistical Tools for Decision Making or Intro to Programming Method and Lab	3
Total Hours		22

#### Humanities (Select 9 hours)

Must include one class of each in literature, philosophy, and fine arts.

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
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 elective)	3
PHIL 121	Intro to Philosophy (or other philosophy elective)	3
Total Hours		9

ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video (or other fine art)	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 elective)	3
PHILOS 1105	Self and World: Intro to Philosophy (or other philosophy elective)	3
Total Hours		9

#### Social Sciences (Select 6 hours)

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

Must

ECON 231 or ECON 230	Principles of Microeconomics or Principles of Macroeconomics (or other economics)	3
POLS 124	American National Government	3
PSYC 130	Intro to Psychology	3
Total Hours		6

ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics (or other economics)	3
POL SCI 1200	American Government (or other political science)	3
PSYCH 1101	General Psychology (or other psychology)	3
Total Hours		6

#### Additional Degree Requirements

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

BIOL 205	General Genetics	3
CHEM 220	Organic Chemistry I	5
CHEM 221	Organic Chemistry II	5
HIST 125 or HIST 151	Western Civ: Ancient World to the Renaissance or World History I: Traditional	3
HIST 126	Western Civ: Scientific Revolution to Modern Age	3

BIO SCI 2223	General Genetics	3
CHEM 2210	Organic Chemistry I	4
CHEM 2220	Organic Chemistry II	4
HISTORY 1100	Early Western Civilization	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.