

St. Charles Community College — Missouri S&T

Biological Sciences BA Transfer Guide

Effective as of Fall 2020

St. Charles Community College

Missouri S&T

Communication Skills (Take all courses)

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	English Composition II (or other composition course)	3	ENGLISH 1160	Writing and Research (or other composition course)	3
COM 106	Public Speaking (if required for AA degree)	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)	11		Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)	11
Total Hours			20		

Math and Sciences (Take all courses)

MAT 121 or MAT 162	Intermediate Algebra or College Algebra (or higher level math)	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra (or higher level math)	3
BIO 150	General Biology	5	BIO SCI 1213, 1219	Principles of Biology and Lab	5
BIO 151	General Biology II	5	BIO SCI 1223, 1229	Biodiversity and Lab	4
CHM 115	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 116	General Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis* (2) *Note: CHEM 1510 is not an S&T degree requirement; course will transfer as elective credit.	3
MAT 157 or MAT 175 or MAT 215 or CPT 182	College Statistics-General Education (4) or Introductory Statistics (3) or Probability Theory (4) or Beginning Programming in C++ (3) (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3-4	STAT 1115 or STAT 1115 or STAT 3115 or CS 1971, 1981	Statistics for Social Sciences I or Statistics for Social Sciences I or Engineering Statistics or Intro to Programming Method and Lab (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3
Total Hours			23		

Humanities (Select 3 hours)

ART 1001	Art Appreciation	3	ART 1180	Art Appreciation	3
MUS 111	Music Appreciation	2	MUSIC 1150	Music Understanding and Appreciation	3
THE 122	Intro to Theatre	3	THEATRE 1190	Theatre via Video	3
LIT 250 or LIT 210 or LIT 272 or LIT 223	English Literature Before 1800 or American Literature From 1620-1865 or World Lit-Ancient World thru Renaissance or African American Literature (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2245 or	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or African American Literature (or other literature elective)	3
PHL 101	Intro to Philosophy	3	PHILOS 1105	Intro to Philosophy	3
	See your advisor for course options			Other fine art, English or American literature, or philosophy elective	
Total Hours			3		

Social Sciences (Select 6 hours)

ECO 120 or ECO 110	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
HIS 101	US History to 1877	3	HISTORY 1300	American History to 1877	3
HIS 102	US History Since 1877	3	HISTORY 1310	American History since 1877	3
POL 101	American Government	3	POL SCI 1200	American Government	3
PSY 101	Intro to Psychology	3	PSYCH 1101	General Psychology	3
	See your advisor for course options			Other history, economics, political science, psychology, or sociology.	
Total Hours			6		

Additional Degree Requirements (Select up to 9 hours)

CHEM 240	Organic Chemistry I	3	CHEM 2210	Organic Chemistry I	4
CHEM 241	Organic Chemistry II	3	CHEM 2220	Organic Chemistry II	4
HIS 145	Western Civ: Ancient and Medieval Heritage	3	HISTORY 1100	Early Western Civilization	3
HIS 146	Western Civ: Modern European Heritage	3	HISTORY 1200	Modern Western Civilization	3
Total Hours			9		

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.