

St. Louis Community Colleges — Missouri S&T

Biological Sciences BA Transfer Guide

Effective as of Fall 2020

St. Louis Community Colleges

Missouri S&T

Communication Skills (Take all courses)

ENG 101	College Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	College Composition II	3	ENGLISH 1160	Writing and Research (or other composition course)	3
COM 101	Oral Communications (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)	12		Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)	11
Total Hours			Total Hours		
21			20		

Math and Sciences (Take all courses)

MTH 140 or MTH 160	Intermediate Algebra (3) or Precalculus Algebra (or higher level math)	4	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra (or higher level math)	3
BIO 111 or BIO 140	Intro to Biology I (4) or Principles of Biology I (5)	4-5	BIO SCI 1113, 1219 or BIO SCI 1213, 1219	General Biology (3) and Lab (2) or Principles of Biology (3) and Lab (2)	5
BIO 141	Principles of Biology II	5	BIO SCI 1223, 1229	Biodiversity and Lab	4
CHM 105	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 106	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
BUS 201 or MTH 180 or IS 153 or IS 256 or IS 167 or ESC 101	Elementary Statistics (3) or Introductory Statistics (3) or C# Programming (4) or C++ Programming (3) or C++ Programming I (4) or Scientific Computer Programming (3) (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3-4	STAT 1115 or STAT 1115 or IST 1551 or CS 1500 or CS 1500 or CS 1971, 1981	Statistics for Social Sciences I or Statistics for Social Sciences I or Implementing Infor Sys: User Persp or Computational Problem Solving or Computational Problem Solving or Intro to Programming Method and Lab (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3-4
Total Hours			Total Hours		
26			23		

Humanities (Select 3 hours)

ART 100	Art Appreciation	3	ART 1180	Art Appreciation	3
MUS 114	Music Appreciation	3	MUSIC 1150	Music Understanding and Appreciation	3
THT 101	Intro to Theatre	3	THEATRE 1190	Theatre Appreciation	3
ENG 210 or ENG 204 or ENG 205 or ENG 231 or ENG 216 or ENG 217	British Literature I or American Literature I or American Literature II or World Literature or Women in Literature or Major Black Writers (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or American Literature: 1600 to 1865 or World Literature I or Literature by Women 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			Total Hours		
3			3		

Social Sciences (Select 6 hours)

ECO 152 or ECO 151	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
HST 101	US History to 1865	3	HISTORY 1300	American History to 1877	3
HST 102	US History 1865 to Present	3	HISTORY 1310	American History since 1877	3
PSC 101	Intro to American Politics	3	POL SCI 1200	American Government	3
PSY 200	General Psychology	3	PSYCH 1101	General Psychology	3
	See your advisor for course options			Other history, economics, political science, psychology, or sociology.	
Total Hours			Total Hours		
6			6		

Additional Degree Requirements (Select up to 9 hours)

BIO 225	Genetics	5	BIO SCI 2223	General Genetics	3
BIO 117	Conservation and Ecology	3	BIO SCI 2263	Ecology	3
CHM 206	Organic Chemistry I	3	CHEM 2210	Organic Chemistry I	4
CHM 207	Organic Chemistry II	3	CHEM 2220	Organic Chemistry II	4
HST 117	Early Modern Europe	3	HISTORY 1100	Early Western Civilization	3
HST 128	Western Civilization 1500 to Present	3	HISTORY 1200	Modern Western Civilization	3
Total Hours			Total Hours		
9			9		

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.