

Metropolitan Community Colleges — Missouri S&T

Biological Sciences BS Transfer Guide

Effective as of Fall 2017

Metropolitan Community Colleges

Missouri S&T

Communication Skills (Take all courses)

ENGL 101	Composition and Reading I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102	Composition and Reading II	3	ENGLISH 1160	Writing and Research	3
COMM 100	Fundamentals of Speech (Required for AA degree)	3	SPMS 1185	Principles of Speech (Not required for S&T degree. Transfers as a free elective)	3
Total Hours			Total Hours		
9			9		

Social Sciences (Select 9 credit hours to include one course to satisfy state requirement)

HIST 134 or HIST 120 or HIST 121 or POLS 136	Western Civilization II or United States History to 1865 or United States History since 1865 or Introduction to American Politics (At least one of these courses is required to satisfy state requirement)	3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200	Modern Western Civilization or American History to 1877 or American History Since 1877 or American Government (At least one of these courses is required to satisfy state requirement)	3
ECON 211 or ECON 210	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSYC 140	General Psychology	3	PSYCH 1101	General Psychology	3
<i>See your advisor for course options</i>				Other economics, history, political science, sociology, psychology elective.	3
Total Hours			Total Hours		
9			9		

Humanities (Select 6 hours)

ART 108	Survey of Art	3	ART 1180	Art Appreciation	3
MUSI 108	Music Appreciation	3	MUSIC 1150	Music Understanding and Appreciation	3
SPDR 106	Theater Appreciation	3	THEATRE 1190	Theatre Appreciation	3
ENGL 220	British Literature to 1750	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENGL 222	American Literature I	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENGL 223	American Literature II	3	ENGLISH 1222	American Literature: 1865 to Present	3
PHIL 100	Introduction to Philosophy	3	PHILOS 1105	Intro to Philosophy	3
<i>See your advisor for course options</i>				Other fine art, literature, or philosophy elective	
Total Hours			Total Hours		
6			6		

Mathematics and Sciences (Take all courses)

MATH 180	Analytic Geometry & Calculus I	5	MATH 1214	Calculus for Engineers I	4
CHEM 111	General College Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 112	General College Chemistry II	5	CHEM 1320, 1510*	General Chemistry II and Qualitative Analysis* <small>*Note: CHEM 1510 is not an S&T degree requirement; course will transfer as elective credit.</small>	5
CHEM 221	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	5
CHEM 222	Organic Chemistry II	5	CHEM 2220, 2229	Organic Chemistry II and Lab	5
PHYS 130 or PHYS 220	General Physics I or Engineering Physics I	5	PHYSICS 1145, 1119 or PHYSICS 1135	College Physics I and Lab or Engineering Physics I	5
PHYS 131 or PHYS 221	General Physics II or Engineering Physics II	5	PHYSICS 2145, 2119 or PHYSICS 2135	College Physics II and Lab or Engineering Physics II	5
BIOL 101	General Biology	5	BIO SCI 1113, 1219	General Biology and Lab	5
Total Hours			Total Hours		
40			39		

Additional Degree Requirements (Select up to 6 hours)

BIOL 204	Genetics	3	BIO SCI 2223	General Genetics	3
BIOL 202	Ecology	5	BIO SCI 2263	Ecology	3
Total Hours			Total Hours		
6			6		

Maximum credit hours to be transferred to Missouri S&T degree requirements. 70

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.