

Metropolitan Community Colleges — Missouri S&T

Chemistry BA Transfer Guide

Effective as of Fall 2020

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
Foreign Language 101, 102, 203	Elementary I, Elementary II, and Upper Level Humanity in Spanish, French or German (must be in a single language)	13	Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)		9-12
Total Hours			Total Hours		
19			15-18		

Mathematics and Sciences (Take all courses)

MATH 180	Analytic Geometry & Calculus I	5	MATH 1214	Calculus for Engineers I	4
MATH 190	Analytic Geometry & Calculus II	5	MATH 1215	Calculus for Engineers II	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	5
Total Hours			Total Hours		
20			18		

Humanities

(Select up to 9 hours to include at least 1 fine art, 1 English, and 1 philosophy)

ART 108 or MUSI 108 or SPDR 106	Survey of Art or Music Appreciation or Theatre Appreciation (or other fine art)	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre Appreciation (or other fine art)	3
ENGL 220 or ENGL 222 or ENGL 254 or ENGL 260 or ENGL 262/268	British Literature to 1750 or American Literature I or World Literature I or African-American Literature or Women's Lives and Autobiography/Women's Literature (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2245 or ENGLISH 2242 or	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or African American Literature or Literature by Women (or other literature elective)	3
PHIL 100	Introduction to Philosophy	3	PHILOS 1105	Intro to Philosophy (or other philosophy)	3
<i>See your advisor for course options</i>			Other fine art, literature, or philosophy elective		
Total Hours			Total Hours		
9			9		

Social Sciences

(Select up to 12 hours in two areas, to include History 1100 and 1200)

HIST 133	Foundations of Western Civilization (required)	3	HISTORY 1100	Early Western Civilization (required)	3
HIST 134	Modern Western Civilization (required)	3	HISTORY 1200	Modern Western Civilization (required)	3
ECON 211 or ECON 210	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
POLS 136	Introduction to American Politics	3	POL SCI 1200	American Government	3
PSYC 140	General Psychology	3	PSYCH 1101	General Psychology	3
HIST 120	United States History to 1865	3	HISTORY 1300	American History to 1877	3
HIST 121	United States History since 1865	3	HISTORY 1310	American History since 1877	3
<i>See your advisor for course options</i>			Other history, economics, political science, psychology, or sociology		
Total Hours			Total Hours		
12			12		

Additional Degree Requirements (Select additional courses to total 60 credit hours)

CHEM 221	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4
CHEM 222	Organic Chemistry II	5	CHEM 2220, 2229	Organic Chemistry II and Lab	4
MATH 210	Analytic Geometry & Calculus III	4	MATH 2222	Calculus with Analytic Geometry III	4
PHYS 220	Engineering Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 221	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
BIOL 101 or BIOL 123 or BIOL 109	General Biology (5) or General Biology for Majors I (4) or Anatomy and Physiology (4) (or other life science)	4-5	BIO SCI 1113 or BIO SCI 1213 or BIO SCI 1943	General Biology or Principles of Biology or Intro to Human Anatomy and Physiology (or other life science)	3
Total Hours			Total Hours		
13					

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.