

Metropolitan Community College — Missouri S&T

Chemistry BA

Transfer Guide Effective as of Fall 2024

Metropolitan Community College

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	Foreign Language 3 semesters of same language OR 2 semesters of each of two different languages.	12	Foreign Language	Foreign Language 3 semesters of same language OR 2 semesters of each of two different languages.	12
Total Hours			Total Hours		
18			18		

Mathematics and Sciences

Take all courses.

MATH 180	Analytic Geometry & Calculus I	5	MATH 1214	Calculus I	4
MATH 190	Analytic Geometry & Calculus II	5	MATH 1215	Calculus 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 one literature course.

ENGL 220 or ENGL 222 or ENGL 254 or ENGL 268 or ENGL 2608	British Literature to 1750 or American Literature I or World Literature I or Women's Literature or African-American Literature or other literature	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature or other literature	3
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 via Video or other fine art	3
PHIL 100	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy or other philosophy	3
Humanities Elective	Other fine art, literature, or philosophy	3	Humanities Elective	Other fine art, literature, or philosophy	3
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	Intro to U.S. National 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
Social Science	Other history, economics, political science, psychology, or sociology	3	Social Science	Other history, economics, political science, psychology, or sociology	3
Total Hours			Total Hours		
12			12		

Additional Degree Requirements

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

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 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
ENGR 215	Engineering Statistics	3	STAT 3115*	Engineering Statistics* Will be substituted for STAT 3113.	3

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

61

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.