

Jefferson College — Missouri S&T

Chemistry BA Transfer Guide

Effective as of Fall 2020

Jefferson 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	3	ENGLISH 1160	Writing and Research	3
	Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)	9-12		Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)	9-12
Total Hours			Total Hours		
15-18			15-18		

Mathematics and Sciences (Take all courses)

MTH 180	Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 185	Calculus II	5	MATH 1215	Calculus for Engineers II	4
CHM 111	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 112	General 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 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Appreciation of Music or Intro to Theatre (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
ENG 130 or ENG 175 or ENG 215	English Life and Literature I or American Literature I or World Literature before 1650 (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I (or other literature elective)	3
PHL 102	Intro to Philosophy	3	PHILOS 1105	Intro to Philosophy (or other philosophy)	3
	See your advisor for course options			Other fine art, literature, or philosophy elective	3
Total Hours			Total Hours		
3			9		

Social Sciences

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

HIST 101	Ancient and Medieval Civilization	3	HISTORY 1100	Early Western Civilization (required)	3
HIST 102	Renaissance to Early Modern Europe	3	HISTORY 1200	Modern Western Civilization (required)	3
ECO 102 or ECO 101	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSC 102	US and Missouri Govt. and Constitution	3	POL SCI 1200	American Government	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
HST 103	American History I	3	HISTORY 1300	American History to 1877	3
HIST 104	American History II	3	HISTORY 1310	American History since 1877	3
	See your advisor for course options			Other history, economics, political science, psychology, or sociology	3
Total Hours			Total Hours		
6			12		

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

CHM 200	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	5
CHM 201	Organic Chemistry II	5	CHEM 2220, 2229	Organic Chemistry II and Lab	5
MTH 201	Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
PHY 223	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHY 224	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
BIO 101	General Biology	5	BIO SCI 1113	General Biology (or other life science)	3
Total Hours			Total Hours		
3-6			3-6		

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.