

Mineral Area College — Missouri S&T

Chemistry BA Transfer Guide

Effective as of Fall 2020

Mineral Area College

Missouri S&T

Communication Skills (Take all courses)

ENG 1330	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 1340	English Composition	3	ENGLISH 1160	Writing and Research	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)	9-12
		Total Hours	18		
				Total Hours	15-18

Mathematics and Sciences (Take all courses)

MAT 1650	Analytical Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MAT 2150	Analytical Geometry and Calculus II	5	MATH 1215	Calculus for Engineers II	4
PHS 1350	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHS 1390, 1380	General Chemistry II and Qualitative Analysis	6	CHEM 1320,1510	General Chemistry II and Qualitative Analysis	5
		Total Hours	21		
				Total Hours	18

Humanities

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

ART 1490 or MUS 1630 or THE 1000	History of Art 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 2330 or ENG 2430 or ENG 2492	English Literature I or American Literature I or Women's Literature (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 2242	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or Literature by Women (or other literature elective)	3
PHI 1400	Intro to Philosophy	3	PHILOS 1105	Intro to Philosophy (or other philosophy)	3
				Other fine art, literature, or philosophy elective	
		Total Hours	3		
				Total Hours	9

Social Sciences

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

HIS 1130	Western Civilization I	3	HISTORY 1100	Early Western Civilization (required)	3
HIS 1140	Western Civilization II	3	HISTORY 1200	Modern Western Civilization (required)	3
BUS 2940 or BUS 2930	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
POS 1180	American Political Systems	3	POL SCI 1200	American Government	3
PSY 1130	General Psychology I	3	PSYCH 1101	General Psychology	3
HIS 1230	American History I	3	HISTORY 1300	American History to 1877	3
HIS 1240	American History II	3	HISTORY 1310	American History since 1877	3
				Other history, economics, political science, psychology, or sociology	3
		Total Hours	6		
				Total Hours	12

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

PHS 2350	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4
PHS 2360	Organic Chemistry II	5	CHEM 2220, 2229	Organic Chemistry II and Lab	4
MAT 2250	Analytical Geometry and Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
PHS 2230	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHS 2240	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
BIO 1150 or BIO 2540	General Biology or Human Anatomy and Physiology (or other life science)	5	BIO SCI 1113, 1219* or BIO SCI 3339, 3333*	General Biology (3) and Lab* (2)or Human Anatomy and Physiology (4) and Lab* (1) (or other life science)	3-4
				*Note: The lab is not an S&T degree requirement, will transfer as elective credit.	

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.