

Mineral Area College — Missouri S&T

Chemistry BS Transfer Guide

Effective as of Fall 2017

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
ENG 1440	Public Speaking (required for AA Degree)	3	SPMS 1185	Principles of Speech (Applies to S&T degree as Free Elective)	3
Total Hours					9
Total Hours					9

Mathematics and Science (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
MAT 2250	Analytical Geometry and Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
PHS 1350	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHS 1390	General Chemistry II and Qualitative Analysis	6	CHEM 1320, 1510	General Chemistry II and Qualitative Analysis	3
PHS 2230	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHS 2240	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
Total Hours					34
Total Hours					28

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

HIS 1230 or HIS 1240 or HIS 1140 or POS 1180	American History I or American History II or Western Civilization II or American Political Systems (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
BUS 2940 or BUS 2930 PSY 1130	Principles of Microeconomics or Principles of Macroeconomics General Psychology I	3 3 3	ECON 1100 or ECON 1200 PSYCH 1101	Principles of Microeconomics or Principles of Macroeconomics General Psychology Other economics, history, political science, sociology, psychology elective.	3 3 3 3
Total Hours					9
Total Hours					9

See your advisor for course options

Humanities (Select 9 credit hours to include at least one literature course)

ENG 2430	American Literature I	3	ENGLISH 1221 (required)	American Literature: 1600 to 1865 or other literature (at least one literature course is required)	3
Art 1490 or MUS 1630 or THE 1000	History or Art or Appreciation of Music or Intro to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre Appreciation or other fine art	3
PHI 1400	Intro to Philosophy <i>See your advisor for course options</i>	3	PHILOS 1105	Intro to Philosophy or other philosophy Other fine art, literature, or philosophy elective	3
Total Hours					6
Total Hours					6

Additional Degree Requirements (Select up to 15 hours)

PHS 2350	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	5
PHS 2360	Organic Chemistry II	5	CHEM 2220, 2229	Organic Chemistry II and Lab	5
CSC 2400	Computer Programming in C++	3	CS 1971, 1981	Intro to Programming Method and Lab (C++)	3
BIO 1150	General Biology (Required for AA Degree)	5	BIO SCI 1113	General Biology (Required for pre-med or bio-chem emphases. Otherwise, applies to S&T degree as free elective)	3
Total Hours					15
Total Hours					15

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

71

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.