

# Mineral Area College — Missouri S&T

## Chemistry BA 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
	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)	12
<b>Total Hours</b>		<b>18</b>	<b>Total Hours</b>		<b>18</b>

#### 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	General Chemistry II and Qualitative Analysis	6	CHEM 1320, 1510	General Chemistry II and Qualitative Analysis	5
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
<b>Total Hours</b>		<b>21</b>	<b>Total Hours</b>		<b>28</b>

#### Humanities

(Select up to 12 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	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre Appreciation or other fine art	3
ENG 2430	American Literature I	3	ENGLISH 1221	American Literature: 1600 to 1865 or other literature	3
PHI 1400	Intro 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	3
<b>Total Hours</b>		<b>3</b>	<b>Total Hours</b>		<b>12</b>

#### Social Sciences

(Select up to 12 hours 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
	<i>See your advisor for course options</i>			Other economics, political science, psychology, or sociology	3
<b>Total Hours</b>		<b>6</b>	<b>Total Hours</b>		<b>12</b>

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

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	General Biology	5	BIO SCI 1113	General Biology or other life science	3
<b>Total Hours</b>		<b>13</b>	<b>Total Hours</b>		<b>13</b>

#### 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.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of the 2017/2018 academic year. Further information or updates are available from Missouri S&T Transfer Admissions at [transfer.mst.edu](http://transfer.mst.edu), [transfer@mst.edu](mailto:transfer@mst.edu), or 800-522-0938.