

# Moberly Area Community College — Missouri S&T

## Chemistry BA Transfer Guide

Effective as of Fall 2020

### Moberly Area Community College

### Missouri S&T

#### Communication Skills (Take all courses)

LAL 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
LAL 102	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			15		

#### Mathematics and Sciences (Take all courses)

MTH 201	Analytic Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 202	Analytic Geometry and Calculus II	5	MATH 1215	Calculus for Engineers II	4
PHY 121	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHY 122	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 101 or ART 102 or MUS 101 or MUS 102 or DRM 120	Art Survey and Appreciation I or Art Survey and Appreciation II or Fundamentals of Music 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
LAL 150 or LAL 120 or LAL 210 or LAL 255 or LAL 125	English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature (or other literature elective)	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 elective)	3
PHI 150	Introduction to Philosophy (or other 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
Total Hours			Total Hours		
9			9		

#### Social Sciences

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

HST 101	Western Civilization I	3	HISTORY 1100	Early Western Civilization (required)	3
HST 102	Western Civilization II	3	HISTORY 1200	Modern Western Civilization (required)	3
ECN 102 or ECN 101	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PCS 105	Intro to American Government	3	POL SCI 1200	American Government	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
HST 105	American History to 1865	3	HISTORY 1300	American History to 1877	3
HST 106	American History from 1865	3	HISTORY 1310	American History since 1877	3
	<i>See your advisor for course options</i>			Other history, economics, political science, psychology, or sociology	
Total Hours			Total Hours		
12			12		

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

PHY 222	Elementary Organic Chemistry	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4
MTH 203	Analytic Geometry & Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
PHY 201	Engineering Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHY 202	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
BIO 101 or BIO 205	Biology (5) or Human Anatomy (4) (or other life science)	4-5	BIO SCI 1113,1219* or BIO SCI 1943	General Biology (3) and Lab* (2) or Intro to Human Anatomy and Physiology (3) (or other life science) *Note: BIO SCI 1219 is not an S&T degree requirement; course transfers as elective credit.	3

#### 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.