

# Moberly Area Community College — Missouri S&T

## Chemistry BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2017

<u>Partner School</u>		<u>Missouri S&amp;T</u>					
<b>Communication Skills (Take all courses)</b>							
LAL 101	English I	3	ENGLISH 1120	Exposition and Argumentation	3		
LAL 102	Exposition	3	ENGLISH 1160	Writing and Research	3		
SPK 101	Public Speaking	3	SPMS 1185	Principles of Speech	3		
		Total Hours	9			Total Hours	9
<b>Social Sciences (Take all courses)</b>							
HST 105 or HST 106	American History to 1865 or American History from 1865	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3		
PCS 103 or PSC 105	American Government or Functions & Policies of American Government	3	POL SCI 1200	American Government	3		
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3		
		Total Hours	9			Total Hours	9
<b>Humanities (Take all courses)</b>							
ART 101 or ART 102 or MUS 101 or MUS 102 or DRM 120	Art Appreciation I or Art Appreciation II or Fundamentals of Music or Music Appreciation or Theater Appreciation	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre Appreciation	3		
PHI 150	Introduction to Philosophy	3	PHILOS 1105	Introduction to Philosophy	3		
LAL 150 or LAL 120	English Literature to 1750 or American Literature to 1870	3	ENGLISH 1221 or ENGLISH 1222	American Literature: 1600 to 1865 or American Literature 1865 to Present	3		
		Total Hours	9			Total Hours	9
<b>Mathematics and Sciences (Take all courses)</b>							
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		
BIO 101	Biology	4	BIO SCI 1113	General Biology	3		
		Total Hours	24			Total Hours	21
<b>Additional Degree Requirements</b>							
PHY 201	College Physics I	5	PHYSICS 1135	Engineering Physics I	4		
PHY 202	College Physics II	5	PHYSICS 2135	Engineering Physics II	4		
PHY 222	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	5		
		Total Hours	15			Total Hours	16
<b>Teacher Certification Requirements (Take all courses)</b>							
EDU 220	Foundations of Education	3	EDUC 1040	Perspectives in Education	2		
EDU 245	Educational Psychology	3	PSYCH 2300 or EDUC 2102	Educational Psychology	3		
PSY 205	Human Lifespan Development	3	PSYCH 3310	Developmental Psychology	3		
		Total Hours	9			Total Hours	8

**\*Teacher certification notes:** Passing scores on MoGEA and MoCA are required. Students must maintain a minimum 2.75 cumulative GPA and a minimum 3.0 content GPA. Students completing this program will have a BA degree in Chemistry with secondary education teacher certification.

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

**75**

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.