

**Moberly Area Community College — Missouri S&T**  
**Biological Sciences 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 or IND 120	Exposition or Technical Report Writing	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>			
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		6	Total Hours 6
<b>Humanities (Take all courses)</b>			
ART 101 or ART 102	Art Appreciation I OR Art Appreciation II or Fundamentals of Music OR Music Appreciation or Theatre Appreciation	3	ART 1180 or MUSIC 1150 or THEATRE 1190 Art Appreciation or Music Appreciation or Theatre Appreciation 3
PHI 150 or PHI 151	Introduction to Philosophy or Introduction to Logic	3	PHILOS 1105 or PHILOS 1115 Introduction to Philosophy or Intro to Logic 3
	See your advisor for course options.	3	Literature Elective 3
Total Hours		9	Total Hours 9
<b>Mathematics and Sciences (Take all courses)</b>			
MTH 101 or MTH 201	College Algebra (or higher level math) or Analytic Geometry & Calculus I	3 to 5	MATH 1103 or MATH 1140 or MATH 1208 Fundamentals of Algebra or College Algebra or Calculus with Analytical Geometry I or higher level math 3 or 3 or 5
PHY 121	General Chemistry I	5	CHEM 1310, 1319 General Chemistry I and Lab 5
PHY 122	General Chemistry II	5	CHEM 1320 General Chemistry II 3
Total Hours		10	Total Hours 16-18
<b>Additional Degree Requirements (Select up to 9 hours)</b>			
PHY 201 or PHY 262	College Physics I or General Astronomy	3-5	PHYSICS 1145 or PHYSICS 1505 College Physics I or Introductory Astronomy 3
PHY 222	Organic Chemistry I	5	CHEM 2210 Organic Chemistry I 4
HST 101	Western Civilization I	3	HISTORY 1100 Early Western Civilization 3
HST 102	Western Civilization II	3	HISTORY 1200 Modern Western Civilization 3
	See your advisor for course options		Mathematics, physics, or geology elective
Total Hours		13	Total Hours 13
<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
EDU 225	Teaching Profession with Field Experience	3	PSYCH 3310 Developmental Psychology 3
	See your advisor for course options.	3	Biological Sciences Computer Elective 3
Total Hours		12	Total Hours 11

**\*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. 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.