

# Moberly Area Community College — Missouri S&T

## Chemistry BA with Secondary Education Teacher Certification

Transfer Guide Effective as of Fall 2025

### Moberly Area Community College

### Missouri S&T

#### Communication Skills

Take all courses.

Fall in 2000					
LAL 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
LAL 102 or IND 120	Composition II or Technical Report Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
		Total Hours	6	Total Hours	6

#### Social Sciences

Take all courses.

HST 101	Western Civilization I	3	HISTORY 1100	Early Western Civilization	3		
HST 102	Western Civilization II	3	HISTORY 1200	Modern Western Civilization	3		
ECN 102 or	Microeconomics or	3	ECON 1100 or	Principles of Microeconomics or	3		
ECN 101 or	Macroeconomics or		ECON 1200 or	Principles of Macroeconomics or			
PCS 105	Intro to American Government		POL SCI 1200	American Government			
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3		
		Total Hours	12			Total Hours	12

#### Humanities

Take all courses.

Take an Courses:					
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	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video	3
PHI 150	Introduction to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
LAL 120 or LAL 121	American Lit Survey to 1870 or American Lit Survey from 1870 to Present	3	ENGLISH 1221 or ENGLISH 1222	American Literature: 1600 to 1865 or American Literature 1865 to Present	3
		Total Hours	9		
				Total Hours	9

#### Mathematics and Sciences

Take all courses.

MTH 201	Analytic Geometry and Calculus I	5	MATH 1214	Calculus I	4		
MTH 202	Analytic Geometry and Calculus II	5	MATH 1215	Calculus 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 or BIO 155	Biology or General Biology for Majors I	4	BIO SCI 1113, 1219* or BIO SCI 1213,* 1219*	General Biology and Lab*or Principles of Biology* and Lab*	3		
		Total Hours	24			Total Hours	21

\*BIO SCI 1213 will be substituted for 1113. The lab is not a degree requirement, transfers as general elective credit.

#### Additional Degree Requirements

Select additional courses to total up to the maximum transfer credit hours shown below.

PHY 162 or PHY 163	General Astronomy (3) or Geology (4)	3	PHYSICS 1505 or GEOLOGY 1110	Introductory Astronomy or Physical and Environmental Geology	3
PHY 181 or PHY 201	General Physics I or Engineering Physics I	5	PHYSICS 1145 or PHYSICS 1135	College Physics I or Engineering Physics I	4
PHY 222	Elementary Organic Chemistry	5	CHEM 2210	Organic Chemistry I	3

#### Teacher Certification Requirements

Take all courses.

EDU 220	Foundations of Education in a Diverse Society	3	EDUC 1074	Education in a Diverse Society	3		
EDU 225	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1		
EDU 245	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3		
PSY 205	Human Lifespan Development	3	PSYCH 3310	Developmental Psychology	3		
EDU 242	Educational of Exceptional Learners	3	EDUC 2310 or PSYCH 4310	Education of the Exceptional Child or Psychology of the Exceptional Child	3		
		Total Hours	15			Total Hours	13

Professional Requirements for Teacher Education Program: Please view all program requirements at <https://teachereducation.mst.edu/secondaryeducation/>.

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

62

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.