

Moberly Area Community College — Missouri S&T

Chemistry BS Transfer Guide

Effective as of Fall 2017

Partner School

Missouri S&T

Communication Skills (Take all courses)

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 (Required for AA degree)	3	SPMS 1185	Principles of Speech (Applies to S&T degree as Free Elective)	3
Total Hours			Total Hours		
9			9		

Mathematics and Science (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
MTH 203	Analytic Geometry and Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	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	3
PHY 201	College Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHY 202	College Physics II	5	PHYSICS 2135	Engineering Physics II	4
Total Hours			Total Hours		
35			28		

Social Sciences (Select up to 9 credit hours to include one course to satisfy state requirement)

HST 102 or HST 105 or HST 106 or PSC 103 or PSC 105	Western Civilization II or American History to 1865 or American History from 1865 or American Government or Functions & Policies of American Government <small>(At least one of these courses is required to satisfy state requirement)</small>	3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200	Modern Western Civilization or American History to 1877 or American History Since 1877 or American Government <small>(At least one of these courses is required to satisfy state requirement)</small>	3
ECN 102 or ECN 101 PSY 101	Microeconomics or Macroeconomics General Psychology	3	ECON 1100 or ECON 1200 PSYCH 1101	Principles of Microeconomics or Principles of Macroeconomics General Psychology	3
<i>See your advisor for course options</i>				Other economics, history, political science, sociology, psychology elective.	3
Total Hours			Total Hours		
9			9		

Humanities (Select 9 credit hours to include at least one literature course)

LAL 150 or LAL 120	English Literature to 1750 or American Literature to 1870	3	ENGLISH 1211 or ENGLISH 1221 (required)	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or other literature <small>(at least one literature course is required)</small>	3
ART 101 or ART 102 or MUS 101 or MUS 102 or DRM 120 PHI 150	Art Appreciation I or Art Appreciation II or Fundamentals of Music or Music Appreciation or Theater Appreciation Introduction to Philosophy	3	ART 1180 or MUSIC 1150 or THEATRE 1190 PHILOS 1105	Art Appreciation or Music Appreciation or Theatre Appreciation or other fine art Intro to Philosophy or other philosophy Other fine art, literature, or philosophy elective	3
<i>See your advisor for course options</i>					
Total Hours			Total Hours		
9			9		

Additional Degree Requirements (Select up to 15 hours)

PHY 222	Organic Chemistry I	5	CHEM 2210, 2219 CS 1971, 1981 or CS 1972, 1982 or CS 1570, 1580	Organic Chemistry I and Lab Intro to Programming Method and Lab (C++) or Intro to MATLAB Programming and Lab or Intro to Programming and Lab (C++)	5 3 3 4
CIT 205 or CIT 105	Programming II or Programming I	3		General Biology <small>(Required for pre-med or bio-chem emphases. Otherwise, applies to S&T degree as free elective)</small>	3
BIO 101	Biology (Required for AA degree)	4	BIO SCI 1113		3
Total Hours			Total Hours		
15			15		

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.