

St. Louis Community College — Missouri S&T

Chemistry BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2017

St. Louis Community College

Missouri S&T

Communication Skills (Take all courses)

ENG 101	College Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	College Composition II	3	ENGLISH 1160	Writing and Research	3
COM 107	Public Speaking (Required for AA degree)	3	SPMS 1185	Principles of Speech	3
Total Hours		9	Total Hours		9

Social Sciences (Take all courses)

HST 101 or HST 102 or PSC 101 PSY 200	American History I or American History II or Introduction to American Politics General Psychology	3 3 3 3	HISTORY 1300 or HISTORY 1310 POL SCI 1200 PSYCH 1101	American History to 1877 or American History since 1877 American Government General Psychology	3 3 3 3
Total Hours		6	Total Hours		9

Humanities (Take all courses)

ART 100 or MUS 103 or THT 101 PHL 101 ENG 204 or ENG 205	Art Appreciation or Basic Music or Introduction to Theatre Introduction to Philosophy American Literature Before 1865 or American Literature Between 1865-1945	3 3 3 3 3	ART 1180 or MUSIC 1150 or THEATRE 1190 PHILOS 1105 ENGLISH 1221 or ENGLISH 1222	Art Appreciation or Music Appreciation or Theatre Appreciation Introduction to Philosophy American Literature: 1600 to 1865 or American Literature 1865 to Present	3 3 3 3 3
Total Hours		9	Total Hours		9

Mathematics and Sciences (Take all courses)

MTH 210	Analytical Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 220	Analytical Geometry and Calculus II	5	MATH 1215	Calculus for Engineers II	4
CHM 105	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 106	General Chemistry II	5	CHEM 1320, 1510	General Chemistry II and Qualitative Analysis	5
BIO 140	Principles of Biology I	4	BIO SCI 1113	General Biology	3
Total Hours		24	Total Hours		21

Additional Degree Requirements (Select up to 19 hours)

PHY 122	Engineering Physics	5	PHYSICS 1135	Engineering Physics I	4
PHY 223	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
CHM 206, 210	Organic Chemistry I and Lab	5	CHEM 2210, 2219	Organic Chemistry I and Lab	5
CHM 207, 211	Organic Chemistry II and Lab	5	CHEM 2220, 2229	Organic Chemistry II and Lab	5
Total Hours		15	Total Hours		16

Teacher Certification Requirements (Take all courses)

EDU 211 or EDU 227 PSY 205	Foundations of Education or Educational Psychology Human Growth and Development	3 3 3	EDUC 1040 PSYCH 2300 or EDUC 2102 PSYCH 3310	Perspectives in Education Educational Psychology Developmental Psychology	2 3 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.