

Three Rivers College — Missouri S&T

Chemistry BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2020

Three Rivers College

Missouri S&T

Communication Skills (Take all courses)

ENGL 111	College Writing	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 112	Advanced College Writing	3	ENGLISH 1160	Writing and Research	3
SCOM 110	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours			9		

Social Sciences (Take all courses)

HIST 111 or HIST 122	American History to 1877 or American History since 1877	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
GOVT 121	National and State Government	3	POL SCI 1200	American Government	3
PSYC 111	General Psychology	3	PSYCH 1101	General Psychology	3
Total Hours			9		

Humanities (Take all courses)

ARTS 123 or ARTS 110 or MUSC 123 or THEA 120	History and Appreciation of Art or Intro to Art or History and Appreciation of Music or History and Appreciation of Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video	3
PHIL 200	Intro to Philosophy	3	PHILOS 1105	Intro to Philosophy	3
ENGL 241 or ENGL 242	American Literature to 1870 or American Literature since 1870	3	ENGLISH 1221 or ENGLISH 1222	American Literature: 1600 to 1865 or American Literature 1865 to Present	3
Total Hours			9		

Mathematics and Sciences (Take all courses)

MATH 171	Analytical Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MATH 271	Analytical Geometry and Calculus II	5	MATH 1215	Calculus for Engineers II	4
CHEM 121	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 122	General Chemistry II	5	CHEM 1320, 1510	General Chemistry II and Qualitative Analysis	5
BIOL 101	General Biology	5	BIO SCI 1113, 1219*	General Biology (3) and Lab* (2) <small>*Note: BIO SCI 1219 is not a Missouri S&T degree requirement; course will transfer as elective credit.</small>	3
Total Hours			25		
Total Hours			21		

Additional Degree Requirements (Select up to 16 hours)

PHYS 211	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 212	General Physics II	5	PHYSICS 2135	Engineering Physics II	4
Total Hours			10		
Total Hours			8		

Teacher Certification Requirements (Take all courses)

EDUC 230	Foundations of Education	3	EDUC 1040	Perspectives in Education	2
EDUC 210	Educational Psychology	3	PSYCH 2300 (EDUC 2102)	Educational Psychology	3
PSYC 243	Human Development Across the Life Span	3	PSYCH 3310	Developmental Psychology	3
EDUC 260	Education of the Exceptional Learner	3	PSYCH 4310	Psychology of the Exceptional Child	3
Total Hours			12		
Total Hours			11		

***Teacher certification notes:** An ACT of 22 or a 220 on the MoGEA is required for professional standing in the department. Students must pass the MoCA, maintain a 2.75 cumulative GPA, and a 3.0 content GPA to qualify for student teaching. Students completing this program will earn a BA in Chemistry.

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.