

# Three Rivers College — Missouri S&T

## Chemistry BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2023

### 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			Total Hours		
9			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			Total Hours		
9			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			Total Hours		
9			9		

#### Mathematics and Sciences (Take all courses)

MATH 171	Analytical Geometry and Calculus I	5	MATH 1214	Calculus I	4
MATH 271	Analytical Geometry and Calculus II	5	MATH 1215	Calculus 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 and Lab	4
Total Hours			Total Hours		
25			22		

#### Additional Degree Requirements

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

PHYS 211	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 212	General Physics II	5	PHYSICS 2135	Engineering Physics II	4

#### 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			Total Hours		
12			11		

**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.**

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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.