

Three Rivers College — Missouri S&T

Physics BS with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2017

Three Rivers College

Missouri S&T

Communication Skills (Take all courses)

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

Mathematics and Science (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
MATH 272	Analytical Geometry and Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
PHYS 211	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 212	General Physics II	5	PHYSICS 2135	Engineering Physics 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	General Chemistry II	3
Total Hours		35	Total Hours		28

Social Sciences (Take all courses)

HIST 111 or HIST 112 or HIST 122	American History to 1877 or American History Since 1877 or World Civ since Renaissance	3	HISTORY 1300 or HISTORY 1310 or HISTORY 1200	American History to 1877 or American History Since 1877 or Modern Western Civilization	3
GOVT 121	National & State Government	3	POL SCI 1200	American Government	3
PSYC 111	General Psychology	3	PSYCH 1101	General Psychology	3
Total Hours		9	Total Hours		9

Humanities (Take all courses)

ARTS 123	History and Appreciation of Art		ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre Appreciation	3
MUSC 123 or THEA 120	Music Appreciation or History and Appreciation of Theatre	3		Literature Elective	3
			<i>See your advisor for course options</i>		
Total Hours		3	Total Hours		6

Additional Degree Requirements (Select up to 10 credit hours)

BIOL 101	General Biology	5	BIO SCI 1113	General Biology	3
Total Hours		12	Total Hours		3

Additional Courses for Teacher Certification Option (Take all courses)

EDUC 230	Foundations of Education	3	EDUC 1040	Perspectives in Education	2
EDUC 210	Educational Psychology	3	PSYCH 2300 or EDUC 2102	Educational Psychology	3
PSYC 243	Human Dev Across the Life Span	3	PSYCH 3310	Developmental Psychology	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.

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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.