

Three Rivers College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification

Transfer Guide Effective as of Fall 2025

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.

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
		6			6

Humanities

Select 9 hours to include at least one course in each of the following areas: fine arts (art, music, or theatre), philosophy, literature.

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 or other fine art	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video or other fine art	3
PHIL 200	Intro to Philosophy or other philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy or other philosophy	3
ENGL 231 or ENGL 241 or ENGL 221	English Literature to 1798 or American Literature to 1870 or World Literature to 1600 or other literature	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or other literature	3
		Total Hours			Total Hours
		9			9

Mathematics and Sciences

Take all courses.

MATH 153	Intermediate Algebra or higher math	3	MATH 1103	Fundamentals of Algebra or higher math	3
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 (3) and Qualitative Analysis (2) *CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.	3
BIOL 101	General Biology	4	BIO SCI 1113, 1219	General Biology and Lab	4
		Total Hours			Total Hours
		17			15

Additional Degree Requirements

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

PHYS 150	Environmental Geology MOTR GEOL 100	4	GEOLOGY 1110	Physical and Environmental Geology MOTR GEOL 100	3
BIOI 102	Environmental Science	4	BIO SCI 1173	Intro to Environmental Sciences	3
HIST 121	World Civilization to the Renaissance	3	HISTORY 1100	Early Western Civilization	3
HIST 122	World Civilization since the Renaissance	3	HISTORY 1200	Modern Western Civilization	3
MATH 223	Probability and Statistics	3	STAT 1115	Statistics for Social Sciences I Or other statistics or computer class. Statistics preferred; computer class is acceptable. Satisfies a 3-hour computer science/statistics requirement. Any additional credit hours apply to degree totals as general elective credit.	3

Teacher Certification Requirements

Take all courses.

EDUC 230	Foundations of Education	3	EDUC 1074	Education in a Diverse Society	3
EDUC 201	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1
EDUC 210	Educational Psychology	3	EDUC 2102 or PSYCH 2300	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	EDUC 2310 or PSYCH 4310	Education of the Exceptional Child or Psychology of the Exceptional Child	3
		Total Hours			Total Hours
		15			13

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.

68

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.