

Three Rivers College — Missouri S&T

Geology and Geophysics BS 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 (if required for AA degree)	3	SPMS 1185	Principles of Speech (Applies to S&T degree as free elective)	3
Total Hours			Total Hours		
9			9		

Mathematics and Science (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
PHYS 211	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 212	General Physics II	5	PHYSICS 2135	Engineering Physics II	4
PHYS 150	Environmental Geology	4	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3
Total Hours			Total Hours		
29			24		

Social Sciences (Take all courses)

HIST 122 or HIST 111 or HIST 112 or GOVT 121	World Civilization since the Renaissance or American History to 1877 or American History since 1877 or National and State Government (At least one of these courses is required to satisfy state requirement)	3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200	Modern Western Civilization or American History to 1877 or American History Since 1877 or American Government (At least one of these courses is required to satisfy state requirement)	3
ECON 212 or ECON 211	Principles of Microeconomics or Principles of Macroeconomics Other economics, history, political science, sociology, psychology elective	3 3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics Other economics, history, political science, sociology, psychology elective	3 3
Total Hours			Total Hours		
9			9		

Humanities (Select 6 hours)

ARTS 123 or ARTS 110	History and Appreciation of Art or Intro to Art	3	ART 1180	Art Appreciation	3
MUSC 123	History and Appreciation of Music	3	MUSIC 1150	Music Understanding and Appreciation	3
THEA 120	History and Appreciation of Theatre	3	THEATRE 1190	Theatre via Video	3
ENGL 231	English Literature to 1798	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENGL 241	American Literature to 1870	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENGL 221	World Literature to 1600	3	ENGLISH 1231	World Literature I	3
PHIL 200	Intro to Philosophy	3	PHILOS 1105	Intro to Philosophy	3
	Other fine art, literature, or philosophy elective	3		Other fine art, literature, or philosophy elective	3
Total Hours			Total Hours		
6			6		

Additional Degree Requirements

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

MATH 272	Analytical Geometry and Calculus III	5	MATH 2222	Calculus III (Transfers as required science elective)	4
MATH 280	Differential Equations	3	MATH 3304	Elementary Differential Equations (Transfers as required science elective)	3
CHEM 122	General Chemistry II and Lab	5	CHEM 1320	General Chemistry II (Transfers as required science elective)	3
BIOL 101	General Biology (if required for AA degree)	5	BIO SCI 1113	General Biology (Transfers as required science elective)	3
	Other science, mathematics, or engineering course.	3		Other science, mathematics, or engineering course.	3

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.