

Jefferson College — Missouri S&T

Geology and Geophysics BS Transfer Guide

Effective as of Fall 2020

Jefferson College

Missouri S&T

Communication Skills (Take all courses)

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	Composition and Rhetoric II	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
COM 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			9		
Total Hours			9		

Mathematics and Science (Take all courses)

MTH 180	Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 185	Calculus II	5	MATH 1215	Calculus for Engineers II	4
CHM 111	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHY 223	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHY 224	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
PHY 105	Physical Geology	4	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3
CIS 155	Intro to Computer Programming	3	CS 1971, 1981	Intro to Programming Methodology and Lab (C++)	3
Total Hours			27		
Total Hours			24		

Social Sciences (Take all courses)

HIST 102 or HIST 103 or HIST 104 or PSC 102	Renaissance to Early Modern Europe or US History I or US History II or US and Missouri Govt. and Constitution (At least one of these courses is required to satisfy state)	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
ECO 102 or ECO 101	Microeconomics or Macroeconomics <i>See your advisor for course options</i>	3 3	ECON 1100 or ECON 1200	Principles of Microeconomics or of Macroeconomics Other economics, history, political science, sociology, psychology elective	3 3
Total Hours			9		
Total Hours			9		

Humanities (Select 6 hours)

ART 101	Art Appreciation	3	ART 1180	Art Appreciation	3
MUS 121	Appreciation of Music	3	MUSIC 1150	Music Understanding and Appreciation	3
SPD 120	Intro to Theatre	3	THEATRE 1190	Theatre Appreciation	3
ENG 130	English Life and Literature I	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENG 175	American Literature I	3	ENGLISH 1221	American Literature: 1600 to 1865	3
PHL 102	Intro to Philosophy	3	PHILOS 1105	Intro to Philosophy	3
<i>See your advisor for course options</i>			Other fine art, literature, or philosophy elective		3
Total Hours			6		
Total Hours			6		

Additional Degree Electives (Select up to 13 hours)

MTH 201	Calculus III	5	MATH 2222	Calculus with Analytic Geometry III (Transfers as required science elective)	4
MTH 205	Differential Equations	3	MATH 3304	Elementary Differential Equations (Transfers as required science elective)	3
CHM 112	General Chemistry II	5	CHEM 1320, 1510*	General Chemistry II and Quantitative Analysis* (CHEM 1320 transfers as required science elective. CHEM 1510 transfers as a free elective.)	3
BIO 102	Concepts in Biology (if required for AA degree)	3	BIO SCI 1113	General Biology (Transfers as required science elective)	3
Other science, mathematics, or engineering course.			Other science, mathematics, or engineering course.		
Total Hours			13		
Total Hours			13		

Maximum credit hours to be transferred to Missouri S&T degree requirements.

67

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.