

St. Louis Community College — Missouri S&T

Geology and Geophysics BS Transfer Guide

Effective as of Fall 2017

St. Louis Community College

Missouri S&T

Communication Skills (Take all courses)

ENG 101	College Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	College Composition II	3	ENGLISH 1160	Writing and Research	3
COM 107	Public Speaking (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 210	Analytical Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 220	Analytical Geometry and Calculus II	5	MATH 1215	Calculus for Engineers II	4
CHM 105	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHY 122	Engineering Physics	5	PHYSICS 1135	Engineering Physics I	4
PHY 223	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
GEO 111	Physical Geology	3	GEOLOGY 1110, 1119	Physical and Environmental Geology and Lab	4
IS 227 or ESC 101 or IS 256	C Computer Language I or Scientific Computer Programming or C++ Object Oriented Programming	3	CS 1971, 1981 or CS 1570	Intro to Programming Method and Lab (C++) or Intro to Programming (C++)	3
Total Hours					25
Total Hours					25

Social Sciences (Take all courses)

HST 128 or HST 101 or HST 102 or PSC 101	Western Tradition II or American History I or American History II or Introduction to American Politics (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
ECO 152 or ECO 151	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSY 200	General Psychology	3	PSYCH 1101	General Psychology	3
<i>See your advisor for course options</i>				Other economics, history, political science, sociology, psychology elective	
Total Hours					6
Total Hours					9

Humanities (Select 6 hours)

ART 100	Art Appreciation	3	ART 1180	Art Appreciation	3
MUS 103	Basic Music	3	MUSIC 1150	Music Understanding and Appreciation	3
THT 101	Introduction to Theatre	3	THEATRE 1190	Theatre Appreciation	3
ENG 210	British Literature Before 1800	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENG 204	American Literature Before 1865	3	ENGLISH 1221	American Literature: 1600 to 1865	3
PHL 101	Introduction to Philosophy	3	PHILOS 1105	Intro to Philosophy	3
<i>See your advisor for course options</i>				Other fine art, literature, or philosophy elective	
Total Hours					6
Total Hours					6

Additional Degree Electives (Select up to 9 hours)

MTH 230	Analytical Geometry and Calculus III	5	MATH 2222	Calculus with Analytic Geometry III (Transfers as required science elective)	4
MTH 240	Differential Equations	3	MATH 3304	Elementary Differential Equations (Transfers as required science elective)	3
CHM 106	General Chemistry II	5	CHEM 1320	General Chemistry II (Transfers as required science elective)	3
BIO 140	Principles of Biology	4	BIO SCI 1113	General Biology (Transfers as required science elective)	3
Total Hours					9
Total Hours					9

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

69

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.