

St. Louis Community College — Missouri S&T

Geology and Geophysics BS
Transfer Guide Effective as of Fall 2024

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 or ENG 103	College Composition II or Report Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
Total Hours			6		
Total Hours			6		

Mathematics and Science

Take all courses.

MTH 210	Analytical Geometry and Calculus I	5	MATH 1214	Calculus I	4
MTH 220	Analytical Geometry and Calculus II	5	MATH 1215	Calculus 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 (GEO ENG 1150)	Physical and Environmental Geology	3
IS 167 or IS 187 or IS 280	C++ Programming I (4) or Java Programming I (4) or Python (3)	3	CS 1500	Computational Problem Solving	3
Total Hours			31		
Total Hours			27		

Social Sciences

Take all courses.

HST 128 or HST 101 or HST 102 or PSC 101	Western Civilization 1500 to Present or US History to 1865 or US History 1865 to Present or Intro to American Politics <small>At least one of these courses is required to satisfy state requirement.</small>	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 <small>At least one of these courses is required to satisfy state requirement.</small>	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
Social Science	Other economics, history, political science, sociology, or psychology.	3	Social Science	Other economics, history, political science, sociology, or psychology.	3
Total Hours			9		
Total Hours			9		

Humanities

Select 6 hours.

ART 100	Art Appreciation	3	ART 1180	Art Appreciation	3
MUS 114	Music Appreciation	3	MUSIC 1150	Music Understanding and Appreciation	3
THT 101	Intro to Theatre	3	THEATRE 1190	Theatre via Video	3
ENG 204	American Literature I	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENG 231	World Literature	3	ENGLISH 1231	World Literature I	3
ENG 216	Women in Literature	3	ENGLISH 2242	Literature by Women	3
ENG 217	Major Black Writers	3	ENGLISH 2245	African American Literature	3
PHL 101	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
Humanities	Other fine art, literature, or philosophy elective	3	Humanities	Other fine art, literature, or philosophy elective	3
Total Hours			6		
Total Hours			6		

Additional Degree Requirements

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

MTH 230	Analytical Geometry and Calculus III	5	MATH 2222	Calculus III <small>Applies to the degree as a required science elective.</small>	4
MTH 240	Differential Equations	3	MATH 3304	Elementary Differential Equations <small>Applies to the degree as a required science elective.</small>	3
CHM 106	General Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>Applies to the degree as a required science elective. *Chem 1510 is not an S&T degree requirement. Will transfer as general credit.</small>	3
BIO 111	Introductory Biology I	4	BIO SCI 1113, 1219*	General Biology and Lab* <small>BIO SCI 1113 applies to the degree as a required science elective. BIO SCI 1219 transfers as general elective credit.</small>	3
Science, Math, Engineering	Other science, mathematics, or engineering course.	3	Science, Math, Engineering	Other science, mathematics, or engineering course.	3

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.