

Metropolitan Community College — Missouri S&T

Geology and Geophysics BS Transfer Guide Effective as of Fall 2024

Metropolitan Community College

Missouri S&T

Communication Skills

Take all courses.

ENGL 101	Composition and Reading I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or ENGL 215	Composition and Reading II or Technical Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
Total Hours			Total Hours		
6			6		

Mathematics and Science

Take all courses.

MATH 180	Analytic Geometry & Calculus I	5	MATH 1214	Calculus I	4
MATH 190	Analytic Geometry & Calculus II	5	MATH 1215	Calculus II	4
MATH 215	Engineering Statistics and Computation	3	STAT 3115	Engineering Statistics	3
CHEM 111	General College Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHYS 220	Engineering Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 221	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
GEOL 101	Physical Geology	5	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3
CSIS 123 or ENGR 204	Programming Fundamentals C++ or Programming for Engineers and Scientists	3	CS 1971, 1981* or CS 1972, 1982*	Intro to Programming Methodology and Lab * or Intro to MATLAB Programming and Lab*	3
Total Hours			Total Hours		
36			30		

Social Sciences

Take all courses.

HIST 134 or HIST 120 or HIST 121 or POLS 136	Modern Western Civilization or United States History to 1865 or United States History since 1865 or Intro to U.S. National 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
ECON 211 or ECON 210	Microeconomics or 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			Total Hours		
9			9		

Humanities

Select 6 hours.

ART 108	Survey of Art	3	ART 1180	Art Appreciation	3
MUSI 108	Music Appreciation	3	MUSIC 1150	Music Understanding and Appreciation	3
SPDR 106	Theater Appreciation	3	THEATRE 1190	Theatre via Video	3
ENGL 220	British Literature to 1750	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENGL 222	American Literature I	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENGL 150	World Literature I	3	ENGLISH 1231	World Literature I	3
ENGL 268	Women's Literature	3	ENGLISH 2242	Literature by Women	3
ENGL 260	African-American Literature	3	ENGLISH 2245	African American Literature	3
PHIL 100	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			Total Hours		
6			6		

Additional Degree Requirements

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

MATH 210	Analytic Geometry & Calculus III	4	MATH 2222	Calculus III <small>Applies to the degree as a required science elective.</small>	4
MATH 230	Differential Equations	3	MATH 3304	Elementary Differential Equations <small>Applies to the degree as a required science elective.</small>	3
CHEM 112	General College 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
GEOL 102	Historical Geology	4	GEOLOGY 1120, 1129	Evolution of the Earth (3) and Lab (1)	4
BIOL 101	General Biology	5	BIO SCI 1113, 1219*	General Biology and Lab* <small>Applies to the degree as a required science elective. *The lab is not required for the S&T degree, transfers as general elective credit.</small>	4
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.

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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.