Mineral Area College — Missouri S&T

Geology and Geophysics BS Transfer Guide

Effective as of Fall 2023

Mineral Area College			Missouri S&T		
Communication Skills (Take all courses)					
ENG 1330	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 1340	English Composition	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
ENG 1440	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)					
MAT 1650	Analytical Geometry and Calculus I	5	MATH 1214	Calculus I	4
MAT 2150	Analytical Geometry and Calculus II	5	MATH 1215	Calculus II	4
PHS 1350	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHS 2230	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHS 2240	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
CSC 1100 or CSC 1600	Programming Logic or C++ Programming	3	CS 1500	Computational Problem Solving	3
	Total Hours	26		Total Hours	24
Social Sciences (Take all courses)					
HIS 1140 or HIS 1230 or HIS 1240 or POS 1180	Western Civilization II or American History I or American History II or American Political Systems (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
BUS 2940 or BUS 2930	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
	Other economics, history, political science, sociology, psychology elective	3		Other economics, history, political science, sociology, psychology elective	3
	Total Hours	9		Total Hours	9
Humanities (Select 6 hours)					
ART 1490	History of Art I	3	ART 1180	Art Appreciation	3
MUS 1630	Appreciation of Music	3	MUSIC 1150	Music Understanding and Appreciation	3
THE 1000	Intro to Theatre	3	THEATRE 1190	Theatre via Video	3
ENG 2330	English Literature I	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENG 2430	American Literature I	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENG 2492	Women's Literature	3	ENGLISH 2242	Literature by Women	3
PHI 1400	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	6		Total Hours	6
Additional Degree Requirements Select additional courses to total up to the maximum transfer credit hours shown below.					
MAT 2250	Analytical Geometry and Calculus III	5	MATH 2222	Calculus III (Transfers as required science elective)	4
MAT 2330	Differential Equations	3	MATH 3304	Elementary Differential Equations (Transfers as required science elective)	3
PHS 1390	General Chemistry II and Qualitative Analysis	4	CHEM 1320	General Chemistry II (Transfers as required science elective)	3
BIO 1150* or BIO 1100	General Biology* (5) or Intro to Biological Science (3)	3	BIO SCI 1113, 1219* or BIO SCI 1113	General Biology (3) and Lab* (2) or General Biology (3) (no lab Transfers as a 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.					**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.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2023. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.