

Mineral Area College — Missouri S&T

Geology and Geophysics BS Transfer Guide Effective as of Fall 2024

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 II	3	ENGLISH 1160	Writing and Research	3
Total Hours			6		
Total Hours			6		

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 2410	Physical Geology MOTR GEOL 100	5	GEOLOGY 1110	Physical and Env Geology MOTR GEOL 100	3
CSC 1100	Programming Logic	3	CS 1500	Computational Problem Solving	3
Total Hours			23		
Total Hours			19		

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 <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
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
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 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	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.

MAT 2250	Analytical Geometry and Calculus III	5	MATH 2222	Calculus III <small>Applies to the degree as a required science elective.</small>	4
MAT 2330	Differential Equations	3	MATH 3304	Elementary Differential Equations <small>Applies to the degree as a required science elective.</small>	3
PHS 1390	General Chemistry II and Qualitative Analysis	4	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 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) <small>Transfers as a required science elective.</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.

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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.