

# Mineral Area College — Missouri S&T

## Geology and Geophysics BS

Transfer Guide Effective as of Fall 2026

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

### 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 or ENG 1440	English Composition or Public Speaking	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech <small>Applies to degree as Gen Ed Communication requirement.</small>	3
Total Hours			Total Hours		
6			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 <small>*CHEM 1310 will be substituted for CHEM 1305.</small>	5
PHS 2420	Earth Science I MOTR GEOL 100	3	GEOLOGY 1110 (GEO ENG 1150)	Physical and Env Geology MOTR GEOL 100	3
CSC 1100	Programming Logic	3	COMP SCI 1500	Computational Problem Solving	3
Total Hours			Total Hours		
21			19		

#### Humanities, Arts, and Social Sciences General Education Requirements

From the options listed in each group below, select 15 hours to include  
6 hours Humanities and Fine Arts from at least two specific disciplines and  
6 hours Behavioral and Social Sciences from at least two specific disciplines.

**\*At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**

#### Humanities and Fine Arts

Select 6 hours from at least two specific disciplines.

ENG 2330 or ENG 2340 or ENG 2430 or ENG 2440 or <b>HIS 1230*</b> or <b>HIS 1240*</b> or ART 1490 or MUS 1630 or THE 1000 or Literature	English Literature I or English Literature II or American Literature I or American Literature II or <b>American History I*</b> or <b>American History II*</b> or History of Art I or Appreciation of Music or Intro to Theatre or Any literature with prerequisite of no more than English Composition I. <small>*Satisfies the State of Missouri government requirement.</small>	6	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or <b>HISTORY 1300*</b> or <b>HISTORY 1310*</b> or ART 1180 or MUSIC 1150 or THEATRE 1190 or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or <b>American History to 1877*</b> or <b>American History Since 1877*</b> or Art Appreciation or Music Understanding and Appreciation or Theatre via Video or Any literature with prerequisite of no more than ENGLISH 1120. <small>*Satisfies the State of Missouri government requirement.</small>	6
---	--	---	---	---	---

#### Behavioral and Social Sciences

Select 6 hours from at least two specific disciplines.

HIS 1130 or <b>HIS 1140*</b> or GEO 1130 or PHI 1400 or <b>POS 1180*</b> or PSY 1130 or BUS 2940 or BUS 2930 or Foreign Language	Western Civilization I or <b>Western Civilization II*</b> or Regional World Geography or Intro to Philosophy or <b>American Political Systems*</b> or General Psychology I or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language <small>*Satisfies the State of Missouri government requirement.</small>	6	HISTORY 1100 or <b>HISTORY 1200*</b> or HISTORY 2110 or PHIL 1105 or <b>POL SCI 1200*</b> or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or <b>Modern Western Civilization*</b> or World Regional Geography or Self and World: Intro to Philosophy or <b>American Government*</b> or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language <small>*Satisfies the State of Missouri government requirement.</small>	6
--	--	---	---	---	---

#### Humanities, Arts, and Social Sciences

Select 3 hours.

HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3	HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
Total HASS Hours			Total HASS Hours		
15			15		

#### 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/engineering elective.</small>	4
MAT 2330	Differential Equations	3	MATH 3304	Elementary Differential Equations <small>Applies to the degree as a required science/engineering 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/engineering elective. *CHEM 1510 is not a degree requirement, transfers as general elective credit.</small>	3
BIO 1150* or BIO 1100	General Biology* (5) or Intro to Biological Science (3)	3	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.

**61**

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.