

Mineral Area College — Missouri S&T

Geology and Geophysics BS Transfer Guide Effective as of Fall 2025

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 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
CSC 1100	Programming Logic	3	COMP SCI 1500	Computational Problem Solving	3
Total Hours 18			Total Hours 16		

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 HIS 1230* or HIS 1240* or ART 1490 or MUS 1630 or THE 1000	English Literature I or English Literature II or American Literature I or American Literature II or American History I* or American History II* or History of Art I or Appreciation of Music or Intro to Theatre <small>*Satisfies the State of Missouri government requirement.</small>	6	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150	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 American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change <small>*Satisfies the State of Missouri government requirement.</small>	6
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Behavioral and Social Sciences

Select 6 hours from at least two specific disciplines.

HIS 1130 or HIS 1140* or GEO 1130 or PHI 1400 or POS 1180* or PSY 1130 or BUS 2940 or BUS 2930 or Foreign Language	Western Civilization I or Western Civilization II* or Regional World Geography or Intro to Philosophy or American Political Systems* 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 HISTORY 1200* or HISTORY 2110 or PHIL 1105 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* or World Regional Geography or Self and World: Intro to Philosophy or American Government* 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
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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 Hours 15			Total Hours 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* 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.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2025.
Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.