

Mineral Area College — Missouri S&T

Physics 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	English Composition	3	ENGLISH 1160	Writing and Research Applies to degree as Gen Ed Communication requirement.	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	
MAT 2250	Analytical Geometry and Calculus III	5	MATH 2222	Calculus III	4	
PHS 1350	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5	
PHS 1390	General Chemistry II	4	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *Chem 1510 is not an S&T degree requirement. Will transfer as general credit.	3	
		Total Hours	24	Total Hours		20

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 and at least one literature course.

ENG 2330 or ENG 2340 or ENG 2430 or ENG 2440	English Literature I or English Literature II or American Literature I or American Literature II	3	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222	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	3
HIS 1230* or HIS 1240* or ART 1490 or MUS 1630 or THE 1000	American History I* or American History II* or History of Art I or Appreciation of Music or Intro to Theatre *Satisfies the State of Missouri government requirement.	3	HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150	American History to 1877 or American History Since 1877 or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change *Satisfies the State of Missouri government requirement.	3

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 *Satisfies the State of Missouri government requirement.	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 *Satisfies the State of Missouri government requirement.	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 2330	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
CSC 1100	Programming Logic	3	COMP SCI 1500	Computational Problem Solving	3
Electives	Maximum Free Electives	6	Electives	Maximum Free Electives	6

Maximum credit hours to be transferred to Missouri S&T degree requirements.

60

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.