Mineral Area College — Missouri S&T

Physics 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	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
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	General Chemistry II	3
PHS 2230	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHS 2240	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
	Total Hours	32		Total Hours	28
Social Sciences Select 9 hours to include at least one course to satisfy the state requirement.					
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 requirement)	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 (or other economics)	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics (or other economics)	3
PSY 1130	General Psychology I	3	PSYCH 1101	General Psychology (or other psychology)	3
	Social Sciences Elective: Any economics, history, political science, sociology, psychology elective		Social Sciences	Social Sciences Elective: Any economics, history, political science, sociology, psychology elective	3
	Total Hours	9		Total Hours	9
Humanities Select 6 credit hours to include at least one literature.					
PHI 1400	Intro to Philosophy (or other philosophy)	3	PHILOS 1105	Self and World: Intro to Philosophy (or other philosophy)	3
ART 1490	History of Art I	3	ART 118	Art Appreciation (or other fine art)	3
MUS 1630	Appreciation of Music	3	MUS 1150	Music Understanding and Appreciation (or other music)	3
THE 1000	Intro to Theatre	3	THEATRE 1190	Theatre via Video (or other theater)	3
ENG 2330 or ENG 2430 or ENG 2492	English Literature I or American Literature I or Women's Literature (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 2242	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or Literature by Women (or other literature elective)	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 2330	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
CSC 1100 or CSC 1600	Programming Logic or C++ Programming	3	CS 1500	Computational Problem Solving	3
	Maximum Free Electives	6		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 2023. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.