Three Rivers College — Missouri S&T

Physics BS Transfer Guide

Effective as of Fall 2023

Three Rivers College			Missouri S&T		
Communication Skills (Take all courses)					
ENGL 111	College Writing	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 112	Advanced College Writing	3	ENGLISH 1160	Writing and Research	3
	Total Hours	6		Total Hours	6
Mathematics and Science (Take all courses)					
MATH 171	Analytical Geometry and Calculus I	5	MATH 1214	Calculus I	4
MATH 271	Analytical Geometry and Calculus II	5	MATH 1215	Calculus II	4
MATH 272	Analytical Geometry and Calculus III	5	MATH 2222	Calculus III	4
CHEM 121	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 122	General Chemistry II	5	CHEM 1320	General Chemistry II	3
PHYS 211	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 212	General Physics II	5	PHYSICS 2135	Engineering Physics II	4
	Total Hours	35		Total Hours	28
Social Sciences Select 9 hours to include at least one course to satisfy the state requirement.					
HIST 122 or HIST 111 or HIST 112 or GOVT 121	World Civilization since the Renaissance or American History to 1877 or American History since 1877 or National and State Government 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
ECON 212 or ECON 211	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics (or other economics)	3
PSYC 111	General Psychology	3	PSYCH 1101	General Psychology (or other psychology)	3
	Social Sciences Elective: Any economics, history, political science, sociology, psychology elective			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.					
PHIL 200	Intro to Philosophy or other philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy or other philosophy	3
ARTS 123 or ARTS 110	History and Appreciation of Art or Intro to Art or other fine art	3	ART 118	Art Appreciation or other fine art	3
MUSC 123	History and Appreciation of Music or other music	3	MUS 1150	Music Understanding and Appreciation or other music	3
THEA 120	History and Appreciation of Theatre	3	THEATRE 1190	Theatre via Video (or other theater)	3
ENGL 231 or ENGL 241 or ENGL 221	English Literature to 1798 or American Literature to 1870 or World Literature to 1600 or other literature elective	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I 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.					
MATH 280	Differential Equations	3	MATH 3304	Elementary Differential Equations	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.