

Three Rivers College — Missouri S&T

Physics BS Transfer Guide

Effective as of Fall 2020

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
SCOM 110	Public Speaking (if required for AA degree)	3	SPMS 1185	Principles of Speech (Not required for S&T degree. Transfers as free elective)	3
Total Hours			9		

Mathematics and Science (Take all courses)

MATH 171	Analytical Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MATH 271	Analytical Geometry and Calculus II	5	MATH 1215	Calculus for Engineers II	4
MATH 272	Analytical Geometry and Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
CHEM 121	General Chemistry I	5	CHEM 1310,1319	General Chemistry I (4) and Lab (1)	5
CHEM 122	General Chemistry II	5	CHEM 1320,1510*	General Chemistry II (3) and Qualitative Analysis* (2) *Note: CHEM 1510 is not an S&T degree requirement; course transfers as elective credit.	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		

Social Sciences (Select 9 hours)

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
<i>See your advisor for course options</i>		6	Social Sciences	Social Sciences Elective: Any economics, history, political science, sociology, psychology elective	6
Total Hours			9		

Humanities (Select 6 credit hours to include one literature and one additional humanities)

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
PHIL 200	Intro to Philosophy <i>See your advisor for course options</i>	3	PHILOS 1105	Intro to Philosophy Other fine art, literature, or philosophy elective	3
Total Hours			6		

Additional Degree Requirements (Select up to 12 hours)

BIOL 101	General Biology (if required for AA degree)	5	BIO SCI 1113,1219	General Biology and Lab (Transfers as free elective)	5
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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 2020. Further information or updates are available from Missouri S&T Transfer Admissions at transfer@mst.edu, transfer.mst.edu, or 800-522-0938.