

Jefferson College — Missouri S&T

Physics BS

Transfer Guide Effective as of Fall 2024

Jefferson College

Missouri S&T

Communication Skills

Take all courses.

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	English Composition II	3	ENGLISH 1160	Writing and Research	3
Total Hours		6	Total Hours		6

Mathematics and Science

Take all courses.

MTH 180	Calculus I	5	MATH 1214	Calculus I	4
MTH 185	Calculus II	5	MATH 1215	Calculus II	4
MTH 201	Calculus III	5	MATH 2222	Calculus III	4
CHM 111	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 112	General Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Lab (2) <small>*CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.</small>	3
PHY 223	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHY 224	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
Total Hours		33	Total Hours		28

Social Sciences

Select 9 hours to include at least one course to satisfy the state requirement.

HST 202 or HST 103 or HST 104 or PSC 102	Renaissance to Early Mod Europe MOTR WCIV 102 or US History I to Reconstruction or US History II from Reconstruction or US and Missouri Govt. and Constitution <small>At least one of these courses is required to satisfy a State of Missouri requirement.</small>	3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200	Modern Western Civilization MOTR WCIV 102 or American History to 1877 or American History Since 1877 or American Government <small>At least one of these courses is required to satisfy a State of Missouri requirement.</small>	3
ECO 102 or ECO 101	Microeconomics or Macroeconomics <small>or other economics</small>	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics <small>or other economics</small>	3
PSY 101	General Psychology or other psychology	3	PSYCH 1101	General Psychology or other psychology	3
Social Science	Any economics, history, political science, sociology, psychology elective	3	Social Science	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.

PHL 102	Intro to Philosophy or other philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy or other philosophy	3
ART 101	Art Appreciation or other fine art	3	ART 118	Art Appreciation or other fine art	3
MUS 121	Appreciation of Music or other music	3	MUS 1150	Music Understanding and Appreciation or other music	3
THT 100	Theatre Appreciation or other theater	3	THEATRE 1190	Theatre via Video or other theater	3
ENG 130 or ENG 175 or ENG 215	English Life and Literature I or American Literature I or World Literature before 1650 or other literature	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 123	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or other literature	3
Humanities	Other fine art, literature, or philosophy elective	3	Humanities	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.

MTH 205	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
MTH 172	Linear Algebra	3	MATH 3108	Linear Algebra <small>Recommended but not required; satisfies a math/stat elective requirement.</small>	3
CIS 155	Intro to Computer Programming	3	CS 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.