

Jefferson College — Missouri S&T

Chemistry 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			Total Hours		
6			9		

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 and Qualitative Analysis	5
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			Total Hours		
33			30		

Social Sciences

Select up to 9 credit hours to include one course to satisfy Missouri 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 course	3
Social Science	Other economics, history, political science, sociology, or psychology.	3	Social Science	Other economics, history, political science, sociology, or psychology.	3
Total Hours			Total Hours		
9			9		

Humanities

Select 6 hours.

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 1231	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or other literature	3
ART 101 or MUS 121 or THT 100	Art Appreciation or Appreciation of Music or Theatre Appreciation <small>or other art, music or theatre</small>	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video <small>or other art, music, or theatre</small>	3
PHL 102	Intro to Philosophy <small>or other philosophy</small>	3	PHILOS 1105	Self and World: Intro to Philosophy <small>or other philosophy</small>	3
Humanities	Other fine art, literature, or philosophy	3	Humanities	Other fine art, literature, or philosophy	3
Total Hours			Total Hours		
6			6		

Additional Degree Requirements

Select additional courses to total up to the maximum transfer credit hours shown below.

CHM 200	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4
CHM 201	Organic Chemistry II	5	CHEM 2220, 2229	Organic Chemistry II and Lab	4
CIS 155	Intro to Computer Programming	3	CS 1971, 1981*	Intro to Programming Methodology and Lab* <small>*Will be substituted for CS 1500..</small>	3

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.