

Jefferson College — Missouri S&T

Chemistry BS Transfer Guide

Effective as of Fall 2023

Jefferson College

Missouri S&T

Communication Skills (Take all courses)

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	Composition and Rhetoric II	3	ENGLISH 1160	Writing and Research	3
COM 110	Public Speaking (if required for AA degree)	3	SPMS 1185	Principles of Speech (Not required for the S&T degree. Applies to S&T degree as Free Elective)	3
		Total Hours	9		
			Total Hours	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	33			Total Hours	30

Social Sciences (Select up to 6 credit hours to include one course to satisfy state requirement)

HIST 102 or HIST 103 or HIST 104 or PSC 102	Renaissance to Early Modern Europe or US History I or US History II or US and Missouri Govt. and Constitution (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
ECO 102 or ECO 101	Microeconomics or Macroeconomics or other economics course	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics or other economics course	3
PSY 101	General Psychology (or other psychology course)	3	PSYCH 1101	General Psychology (or other psychology course)	3
	Other economics, history, political science, sociology, psychology elective.	3		Other economics, history, political science, sociology, psychology elective.	3
Total Hours 6			Total Hours 6		

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 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
ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Appreciation of Music or Intro to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation (or other art) or Music Appreciation (or other music) or Theatre via Video (or other theatre)	3
PHL 102	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy (or other philosophy)	3
	Other fine art, literature, or philosophy elective			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.

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 Method and Lab (C++)	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.

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.