

Jefferson College — Missouri S&T

Chemistry BS Transfer Guide

Effective as of Fall 2017

Partner School

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
SPD 175	Public Speaking (Required for AA degree)	3	SPMS 1185	Principles of Speech (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 for Engineers I	4
MTH 185	Calculus II	5	MATH 1215	Calculus for Engineers II	4
MTH 201	Calculus III	5	MATH 2222	Calculus with Analytic Geometry 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	3
PHY 123	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHY 124	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
Total Hours			33		
Total Hours			28		

Social Sciences (Select up to 9 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	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
<i>See your advisor for course options</i>				Other economics, history, political science, sociology, psychology elective.	3
Total Hours			9		
Total Hours			9		

Humanities (Select 9 credit hours to include at least one literature course)

ENG 130 ENG 175	English Life and Literature I American Literature I	3	ENGLISH 1211 or ENGLISH 1221 (required)	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or other literature (at least one literature course is required)	3
ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Appreciation of Music or Intro to Theatre or	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre Appreciation or other fine art	3
PHL 102	Intro to Philosophy <i>See your advisor for course options</i>	3	PHILOS 1105	Intro to Philosophy or other philosophy Other fine art, literature, or philosophy elective	3
Total Hours			9		
Total Hours			9		

Additional Degree Requirements (Select up to 15 hours)

CHM 200	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	5
CHM 201	Organic Chemistry II	5	CHEM 2220, 2229	Organic Chemistry II and Lab	5
CIS 155	Intro to Computer Programming	3	COMP SCI 1570	Intro to Programming	3
BIO 101	General Biology (Required for AA degree)	5	BIO SCI 1113	General Biology (Required for pre-med or bio-chem emphases. Otherwise, applies to S&T degree as free elective)	3
Total Hours			15		
Total Hours			15		

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.