

St. Louis Community College — Missouri S&T

Chemistry BS Transfer Guide

Effective as of Fall 2017

St. Louis Community College

Missouri S&T

Communication Skills (Take all courses)

ENG 101	College Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	College Composition II	3	ENGLISH 1160	Writing and Research	3
COM 107	Public Speaking (Required for AA degree)	3	SPMS 1185	Principles of Speech (Applies to S&T degree as Free Elective)	3
Total Hours			9		

Mathematics and Science (Take all courses)

MTH 210	Analytical Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 220	Analytical Geometry and Calculus II	5	MATH 1215	Calculus for Engineers II	4
MTH 230	Analytical Geometry and Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
CHM 105	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 106	General Chemistry II	5	CHEM 1320,1510	General Chemistry II and Qualitative Analysis	3
PHY 122	Engineering Physics	5	PHYSICS 1135	Engineering Physics I	4
PHY 223	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
Total Hours			35		

Social Sciences (Select up to 9 credit hours to include one course to satisfy state requirement)

HST 128 or HST 101 or HST 102 or PSC 101	Western Tradition II or American History I or American History II or Introduction to American Politics (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 152 or ECO 151	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSY 200	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		

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

ENG 210 or ENG 204	British Literature Before 1800 or American Literature Before 1865	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 100 or MUS 103 or THT 101	Art Appreciation or Basic Music or Introduction to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre Appreciation or other fine art	3
<i>See your advisor for course options</i>			PHILOS 1105	Intro to Philosophy or other philosophy Other fine art, literature, or philosophy elective	3
Total Hours			6		

Additional Degree Requirements (Select up to 15 hours)

CHM 206, 210	Organic Chemistry I and Lab	5	CHEM 2210, 2219	Organic Chemistry I and Lab	5
CHM 207, 211	Organic Chemistry II and Lab	5	CHEM 2220, 2229	Organic Chemistry II and Lab	5
ESC 101 or IS 227	Scientific Computer Programming or C Computer Language I	3	CS 1570 or CS 1971, 1981	Intro to Programming or Intro to Programming Methodology and Lab	3 4
BIO 140	Principles of Biology I (Required for AA degree)	3	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		

Maximum credit hours to be transferred to Missouri S&T degree requirements.

71

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.