

St. Louis Community College — Missouri S&T

Chemistry BA

Transfer Guide Effective as of Fall 2025

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

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 or ENG 103	College Composition II or Report Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing <small>Applies to degree as Gen Ed Communication requirement.</small>	3
Foreign Language	Foreign Language 3 semesters of same language OR 2 semesters of each of two different languages.	12	Foreign Language	Foreign Language 3 semesters of same language OR 2 semesters of each of two different languages.	12
Total Hours 18			Total Hours 18		

Mathematics and Sciences

Take all courses.

MTH 210	Analytical Geometry and Calculus I	5	MATH 1214	Calculus I	4
MTH 220	Analytical Geometry and Calculus II	5	MATH 1215	Calculus II	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	5
BIO 111 or BIO 140	Intro to Biology I (4) or Principles of Biology I (5)	4	BIO SCI 1113, 1219* or BIO SCI 1213, 1219*	General Biology and Lab* or Principles of Biology* and Lab* <small>or other biological science Satisfies a biological sciences elective requirement. The lab is not a degree requirement, will transfer as general elective credit.</small>	3
Total Hours 24			Total Hours 21		

Humanities

Select up to 12 hours to include at least one course in each of the three areas of literature (English and American), philosophy, and non-performance fine arts (art, music, and theater).

ART 100 or MUS 114 or THT 101	Art Appreciation or Music Appreciation or Intro to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3
ENG 211 or ENG 204 or ENG 205 or ENG 231	British Literature II or American Literature I or American Literature II or World Literature	3	ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231	British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance	3
PHL 101 or PHL 102	Intro to Philosophy or Intro to Logic	3	PHILOS 1105 or PHILOS 1115	Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction	3
Humanities Elective	Other fine art, literature, or philosophy	3	Humanities Elective	Other fine art, literature, or philosophy	3
Total Hours 9			Total Hours 9		

Social Sciences

Select up to 15 hours in two areas to include History 1100 and 1200.

HST 115	Ancient and Medieval History to 1500	3	HISTORY 1100	Early Western Civilization required	3
HST 128	Western Civilization 1500 to Present	3	HISTORY 1200	Modern Western Civilization required	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
PSC 101	Intro to American Politics	3	POL SCI 1200	American Government	3
PSY 200	General Psychology	3	PSYCH 1101	General Psychology	3
HST 101	US History to 1865	3	HISTORY 1300	American History to 1877	3
HST 102	US History 1865 to Present	3	HISTORY 1310	American History since 1877	3
Social Science	Other history, economics, political science, psychology, or sociology	3	Social Science	Other history, economics, political science, psychology, or sociology	3
Total Hours 12			Total Hours 12		

Additional Degree Requirements

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

CHM 206, 210	Organic Chemistry I and Lab	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4
CHM 207, 211	Organic Chemistry II and Lab	5	CHEM 2220, 2229	Organic Chemistry II and Lab	4
MTH 230	Analytic Geometry and Calculus III	5	MATH 2222	Calculus III	4
PHY 111 or PHY 122	College Physics I (4) or Engineering Physics (5)	4	PHYSICS 1145 or PHYSICS 1135	College Physics I or Engineering Physics I	4
PHY 112 or PHY 223	College Physics II (4) or Engineering Physics II (5)	4	PHYSICS 2145 or PHYSICS 2135	College Physics II or Engineering Physics II	4

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.

must receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree.

required to complete all courses on this guide before transferring to Missouri S&T.

Students
Students are not