

St Charles Community College — Missouri S&T

Chemistry BA

Transfer Guide Effective as of Fall 2026

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

St Charles Community College

Missouri S&T

Communication Skills

Take all courses.

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102 or ENG 115	English Composition II or Technical Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing Applies to degree as Gen Ed Communication requirement.	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.

MAT 180	Calculus and Analytic Geometry I	5	MATH 1214	Calculus I	4
MAT 230	Calculus and Analytic Geometry II	5	MATH 1215	Calculus II	4
CHM 115	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 116	General Chemistry II	5	CHEM 1320,1510	General Chemistry II and Qualitative Analysis	5
BIO 105, 106 or BIO 150	Essentials of Biology (3) and Lab (1) or General Biology: Cells to Organisms (5)	3	BIO SCI 1113, 1219* or BIO SCI 1213, 1219*	General Biology and Lab*or Principles of Biology* and Lab* or other biological science Satisfies a biological sciences elective requirement. The lab is not a degree requirement, will transfer as general elective credit.	3
Total Hours 23			Total Hours 21		

Humanities

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

ART 1001 or MUS 111 or THE 122	Art Appreciation or Music Appreciation or Intro to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video	3
LIT 250 or LIT 260 or LIT 210 or LIT 220 or LIT 272 or Literature	English Literature Before 1800 or English Literature After 1800 or American Literature From Beginnings-1865 or American Literature From 1865-Present or World Literature-Ancient World thru Renaissance or Any literature with prerequisite of no more than English Composition I.	3	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or Literature	British Literature I: The Beginnings to 1800 or 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 or Any literature with prerequisite of no more than ENGLISH 1120.	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 12			Total Hours 12		

Social Sciences

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

HIS 145	Western Civ: Ancient and Medieval Heritage	3	HISTORY 1100	Early Western Civilization required	3
HIS 146	Western Civ: Modern European Heritage	3	HISTORY 1200	Modern Western Civilization required	3
ECO 120 or ECO 110	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
POL 101	American Government	3	POL SCI 1200	American Government	3
PSY 101	Intro to Psychology	3	PSYCH 1101	General Psychology	3
HIS 101	US History to 1877	3	HISTORY 1300	American History to 1877	3
HIS 102	US History Since 1877	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 15			Total Hours 15		

Additional Degree Requirements

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

CHM 240 and CHM 241, 243	Organic Chemistry I and Organic Chemistry II and Lab The combination of SCC CHM 240, 241, and 243 is equivalent to the combination of S&T CHEM 2210, 2219, 2220, and 2229. All courses must be taken to receive full transfer credit.	8	CHEM 2210, 2219 and CHEM 2220, 2229	Organic Chemistry I and Lab and Organic Chemistry II and Lab The combination of SCC CHM 240, 241, and 243 is equivalent to the combination of S&T CHEM 2210, 2219, 2220, and 2229. All courses must be taken to receive full transfer credit.	8
CHM 222	Quantitative Analysis	4	CHEM 2510	Analytical Chemistry I	4
MAT 240	Calculus and Analytic Geometry III	5	MATH 2222	Calculus III	4
PHY 150,153 or PHY 250	General Physics and Lab or Engineering Physics I	5	PHYSICS 1135 or PHYSICS 1145	Engineering Physics I or College Physics I	4
PHY 151,154 or PHY 251	General Physics II and Lab or Engineering Physics II	5	PHYSICS 2135 or PHYSICS 2145	Engineering Physics II or College 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.

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.

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This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2026.

Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.