St. Charles Community College — Missouri S&T

Chemistry BA with Secondary Education Teacher Certification

Transfer Guide Effective as of Fall 2025

St. Charles Community College

Missouri S&T

62

	Co	mmuniq	cation Skills			
		Take all	courses.			
ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation		3
ENG 102 or	English Composition II or	0	ENGLISH 1160 or	Writing and Research or		^
ENG 115	Technical Writing	3	ENGLISH 3560	Technical Writing		3
	Total Hours	6			Total Hours	6
		Social S	Sciences			
		Take all	courses.			
HIS 145	Western Civ: Ancient and Midieval Heritage	3	HISTORY 1100	Early Western Civilization		3
HIS 146	Western Civ: Modern European Heritage	3	HISTORY 1200	Modern Western Civilization		3
ECO 120 or	Principles of Microeconomics or		ECON 1100 or	Principles of Microeconomics or		_
ECO 110 or	Principles of Macroeconomics or	3	ECON 1200 or	Principles of Macroeconomics or		3
POL 101	American Government		POL SCI 1200	American Government		
PSY 101	Intro to Psychology	3	PSYCH 1101	General Psychology		3
	Total Hours	12			Total Hours	12
		Huma	anities			
			courses.			
ART 1001 or	Art Appreciation or	rane an	ART 1180 or	Art Appreciation or		
MUS 111 or	Music Appreciation or	3	MUSIC 1150 or	Music Appreciation or		3
THE 122	Intro of Theatre		THEATRE 1190	Theatre via Video		Ŭ
PHL 101	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy		3
LIT 210 or	American Literature From 1620 - 1865 or		ENGLISH 1221 or	American Literature: 1600 to 1865 or		
LIT 220	American Literature From 1865 - Present	3	ENGLISH 1222	American Literature 1865 to Present		3
	Total Hours	9			Total Hours	9
	Math	ematics	and Sciences			
			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
	,			General Biology and Lab*or	·	
BIO 105, 106 or	Essentials of Biology and Lab (4) or	4	BIO SCI 1113, 1219* or	Principles of Biology* and Lab*		3
BIO 150	General Biology: Cells to Organisms (5)		BIO SCI 1213,* 1219*	*BIO SCI 1213 will be substituted for 1113. The lab requirement, transfers as general elective credit.	is not a degree	_
	Total Hours	24		requirement, transfers as general elective credit.	Total Hours	21
			ee Requirements			
	Select additional courses to total			ure chown below		
PHY 130 or	Astronomy or	up to the r				
PHY 125	Intro to Physical Geology	3	PHYSICS 1505 or GEOLOGY 1110	Introductory Astronomy or Physical and Environmental Geology		3
PHY 150 or	General Physics I (3) or		PHYSICS 1145 or	College Physics I or		
PHY 250	Engineering Physics I (5)	3	PHYSICS 1135	Engineering Physics I		4
				Engineening i mysics i		
		3		Organic Chemistry Land Lah		4
CHM 240	Organic Chemistry I	3	CHEM 2210, 2219	Organic Chemistry I and Lab Organic Chemistry II and Lab*		4
		3		Organic Chemistry II and Lab* The lab is not a degree requirement, transfers as ge	neral elective	4
CHM 240 CHM 241	Organic Chemistry I Organic Chemistry II	3	CHEM 2210, 2219 CHEM 2220, 2229*	Organic Chemistry II and Lab* The lab is not a degree requirement, transfers as ge credit.	neral elective	4
CHM 240	Organic Chemistry I		CHEM 2210, 2219	Organic Chemistry II and Lab* The lab is not a degree requirement, transfers as ge	neral elective	
CHM 240 CHM 241	Organic Chemistry I Organic Chemistry II Quantitative Analysis	3	CHEM 2210, 2219 CHEM 2220, 2229* CHEM 2510	Organic Chemistry II and Lab* The lab is not a degree requirement, transfers as ge credit.	neral elective	4
CHM 240 CHM 241	Organic Chemistry I Organic Chemistry II Quantitative Analysis	3 4 Certifica	CHEM 2210, 2219 CHEM 2220, 2229* CHEM 2510 tion Requirements	Organic Chemistry II and Lab* The lab is not a degree requirement, transfers as ge credit.	neral elective	4
CHM 240 CHM 241 CHEM 222	Organic Chemistry I Organic Chemistry II Quantitative Analysis Teacher C	3 4 Certifica Take all	CHEM 2210, 2219 CHEM 2220, 2229* CHEM 2510 tion Requirements courses.	Organic Chemistry II and Lab* The lab is not a degree requirement, transfers as ge credit. Analytical Chemistry I	neral elective	4
CHM 240 CHM 241	Organic Chemistry I Organic Chemistry II Quantitative Analysis	3 4 Certifica	CHEM 2210, 2219 CHEM 2220, 2229* CHEM 2510 tion Requirements	Organic Chemistry II and Lab* The lab is not a degree requirement, transfers as ge credit. Analytical Chemistry I Education in a Diverse Society	neral elective	4
CHM 240 CHM 241 CHEM 222 EDU 212 EDU 285	Organic Chemistry I Organic Chemistry II Quantitative Analysis Teacher C Foundations of Education in a Diverse Society Teaching Profession with Field Experience	3 4 Certifica Take all 3 3	CHEM 2210, 2219 CHEM 2220, 2229* CHEM 2510 tion Requirements courses. EDUC 1074	Organic Chemistry II and Lab* The lab is not a degree requirement, transfers as gecredit. Analytical Chemistry I Education in a Diverse Society Teacher Field Experience I	neral elective	4 4 3 1
CHM 240 CHM 241 CHEM 222 EDU 212 EDU 285	Organic Chemistry I Organic Chemistry II Quantitative Analysis Teacher (Foundations of Education in a Diverse Society	3 4 Certifica Take all 3	CHEM 2210, 2219 CHEM 2220, 2229* CHEM 2510 tion Requirements courses. EDUC 1074 EDUC 1104	Organic Chemistry II and Lab* The lab is not a degree requirement, transfers as ge credit. Analytical Chemistry I Education in a Diverse Society	neral elective	4 4 3
CHM 240 CHM 241 CHEM 222 EDU 212 EDU 285	Organic Chemistry I Organic Chemistry II Quantitative Analysis Teacher C Foundations of Education in a Diverse Society Teaching Profession with Field Experience	3 4 Certifica Take all 3 3	CHEM 2210, 2219 CHEM 2220, 2229* CHEM 2510 tion Requirements courses. EDUC 1074 EDUC 1104 EDUC 2102 or	Organic Chemistry II and Lab* The lab is not a degree requirement, transfers as gecredit. Analytical Chemistry I Education in a Diverse Society Teacher Field Experience I	neral elective	4 4 3 1
CHM 240 CHM 241 CHEM 222 EDU 212 EDU 285 EDU 240 PSY 110	Organic Chemistry I Organic Chemistry II Quantitative Analysis Teacher (Foundations of Education in a Diverse Society Teaching Profession with Field Experience Educational Psychology Human Growth and Development	3 4 Certifica Take all 3 3 3	CHEM 2210, 2219 CHEM 2220, 2229* CHEM 2510 tion Requirements courses. EDUC 1074 EDUC 1104 EDUC 2102 or PSYCH 2300	Organic Chemistry II and Lab* The lab is not a degree requirement, transfers as gecredit. Analytical Chemistry I Education in a Diverse Society Teacher Field Experience I Educational Psychology	neral elective	4 4 3 1 3 3 3
CHM 240 CHM 241 CHEM 222 EDU 212 EDU 285 EDU 240	Organic Chemistry I Organic Chemistry II Quantitative Analysis Teacher (Foundations of Education in a Diverse Society Teaching Profession with Field Experience Educational Psychology	3 4 Certifica Take all 3 3 3 3	CHEM 2210, 2219 CHEM 2220, 2229* CHEM 2510 tion Requirements courses. EDUC 1074 EDUC 1104 EDUC 2102 or PSYCH 2300 PSYCH 3310	Organic Chemistry II and Lab* The lab is not a degree requirement, transfers as gecredit. Analytical Chemistry I Education in a Diverse Society Teacher Field Experience I Educational Psychology Developmental Psychology	neral elective	4 4 3 1 3

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

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 2025. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-