St. Charles Community College — Missouri S&T

Chemistry BS

Transfer Guide Effective as of Fall 2024

ENGLISH 1120

St. Charles Community College	<u>Missouri S&T</u>
Communication S	Skills
Take all courses	

ENG 101

Social Science

English Composition I

ENG 102 or ENG 115	English Composition II or Technical Writing		3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
		Total Hours	6		Total Hou	urs 9
Mathematics and Science						
	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
MAT 240	Calculus and Analytical Geometry III		5	MATH 2222	Calculus III	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 Qualitatve Analysis	5
PHY 250	Engineering Physics I		5	PHYSICS 1135	Engineering Physics I	4
PHY 251	Engineering Physics II		5	PHYSICS 2135	Engineering Physics II	4
		Total Hours	35		Total Hou	urs 30

Social Sciences

Select up to 9 credit hours to include one course to satisfy Missouri state requirement.					
HIS 146 or HIS 101 or HIS 102 or POL 101	Western Civ: Modern European Heritage or US History to 1877 or US History Since 1877 or American Government 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 Missouri state	3
ECO 120 or ECO 110	Principles of Microeconomics or Principles of Macroeconomics or other economics	3	ECON 1100 or ECON 1200	requirement. Principles of Microeconomics or Principles of Macroeconomics or other economics	3
PSY 101	Intro to Psychology or other psychology	3	PSYCH 1101	General Psychology or other psychology	3

Other economics, history, political science, sociology, or psychology.	3	Social Science	Other economics, history, political science, sociology, or psychology.	3
Total Hours	9		Total Hours	9

60

Exposition and Argumentation

			nanities et 6 hours.			
LIT 250 or LIT 210 or LIT 272 or LIT 223	English Literature Before 1800 or American Literature From 1620-1865 or World Lit-Ancient World thru Renaissance or African American Literature or other literature	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231or ENGLISH 2245	British Literature I: The Beginnings to 180 American Literature: 1600 to 1865 or World Literature I or African American Literature or other literature	00 or	3
ART 1001 or MUS 111 or THE 122	Art Appreciation or Music Appreciation or Intro of Theatre or other art, music, or theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video or other art, music, or theatre		3
PHL 101	Intro to Philosophy or other philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy or other philosophy		3
Humanities	Other fine art, literature, or philosophy Total Hours	3 6	Humanities	Other fine art, literature, or philosophy	Total Hours	3 6

Additional Degree Requirements

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

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
	CPT 135or CPT 185 or CPT 189	Computer Science 1 with Python (4) or Programming in C Sharp (3) or Java Programming (3)	3	CS 1500	Computational Problem Solving	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 2024. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-