

# St. Charles Community College — Missouri S&T

## Biological Sciences BS

Transfer Guide Effective as of Fall 2024

### 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	English Composition II	3	ENGLISH 1160	Writing and Research	3
Total Hours			Total Hours		
6			6		

#### Social Sciences

Select 9 credit hours to include one course to satisfy 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 <small>At least one of these courses is required to satisfy state requirement.</small>	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 <small>At least one of these courses is required to satisfy state requirement.</small>	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
PSY 101	Intro to Psychology	3	PSYCH 1101	General Psychology	3
Social Science	Other economics, history, political science, sociology, or psychology.	3	Social Science	Other economics, history, political science, sociology, or psychology.	3
Total Hours			Total Hours		
9			9		

#### Humanities

Select 6 hours.

ART 1001	Art Appreciation	3	ART 1180	Art Appreciation	3
MUS 111	Music Appreciation	2	MUSIC 1150	Music Understanding and Appreciation	3
THE 122	Intro to Theatre	3	THEATRE 1190	Theatre via Video	3
LIT 250	English Literature before 1800	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
LIT 210	American Literature from 1620-1865	3	ENGLISH 1221	American Literature: 1600 to 1865	3
LIT 272	World Lit-Ancient World thru Renaissance	3	ENGLISH 1231	World Literature I	3
LIT 223	African American Literature	3	ENGLISH 2245	African American Literature	3
PHL 101	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
Fine Arts	Other fine art, literature, or philosophy	3	Fine Arts	Other fine art, literature, or philosophy	3
Total Hours			Total Hours		
6			6		

#### Mathematics and Sciences

Take all courses.

BIO 150	General Biology: Cells to Organisms	5	BIO SCI 1213, 1219	Principles of Biology	4
MAT 210 or MAT 180	Survey Calculus (4) or Calculus and Analytic Geometry I (5)	4	MATH 1212 or MATH 1214	Survey of Calculus or Calculus I	4
CHM 115	General Chemistry I and Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 116	General Chemistry II and Lab	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>*Chem 1510 is not an S&amp;T degree requirement. Will transfer as general credit.</small>	3
CHM 240 and CHM 241, 243	Organic Chemistry I and Organic Chemistry II and Lab <small>The combination of SCC CHM 240, 241, and 243 is equivalent to the combination of S&amp;T CHEM 2210, 2219, 2220, and 2229. All courses must be taken to receive full transfer credit.</small>	8	CHEM 2210, 2219 and CHEM 2220, 2229	Organic Chemistry I and Lab and Organic Chemistry II and Lab <small>The combination of SCC CHM 240, 241, and 243 is equivalent to the combination of S&amp;T CHEM 2210, 2219, 2220, and 2229. All courses must be taken to receive full transfer credit.</small>	8
PHY 150,153 or PHY 250	General Physics and Lab or Engineering Physics I	5	PHYSICS 1145 or PHYSICS 1135	College Physics I or Engineering Physics I	4
PHY 151,154 or PHY 251	General Physics II and Lab or Engineering Physics II	5	PHYSICS 2145 or PHYSICS 2135	College Physics II or Engineering Physics II	4
Total Hours			Total Hours		
37			32		

#### Additional Degree Requirements

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

BIO 151	General Biology: Organisms to Environment	5	BIO SCI 1223, 1229	Biodiversity and Lab or Principles of Biology II equivalent	4
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#### Maximum credit hours to be transferred to Missouri S&T degree requirements.

**64**

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