

# Three Rivers College — Missouri S&T

## Chemistry BS Transfer Guide

Effective as of Fall 2023

### Three Rivers College

### Missouri S&T

#### Communication Skills (Take all courses)

ENGL 111	College Writing	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 112	Advanced College Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
SCOM 110	Public Speaking <small>(if required for AA degree)</small>	3	SPMS 1185	Principles of Speech <small>(Not required for the S&amp;T degree. Applies to S&amp;T degree as Free Elective)</small>	3
<b>Total Hours</b>			<b>9</b>		

#### Mathematics and Science (Take all courses)

MATH 171	Analytical Geometry and Calculus I	5	MATH 1214	Calculus I	4
MATH 271	Analytical Geometry and Calculus II	5	MATH 1215	Calculus II	4
MATH 272	Analytical Geometry and Calculus III	5	MATH 2222	Calculus III	4
CHEM 121	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 122	General Chemistry II	5	CHEM 1320,1510	General Chemistry II and Qualitative Analysis	5
PHYS 211	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 212	General Physics II	5	PHYSICS 2135	Engineering Physics II	4
<b>Total Hours</b>			<b>35</b>		

#### Social Sciences (Select up to 6 credit hours to include one course to satisfy state requirement)

HIST 122 or HIST 111 or HIST 112 or GOVT 121	World Civilization since the Renaissance or American History to 1877 or American History since 1877 or National and State 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
ECON 212 or ECON 211	Principles of Microeconomics or Principles of Macroeconomics <small>or other economics course</small>	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics <small>or other economics course</small>	3
PSYC 111	General Psychology	3	PSYCH 1101	General Psychology or other psychology course	3
	Other economics, history, political science, sociology, psychology elective.	3		Other economics, history, political science, sociology, psychology elective.	3
<b>Total Hours</b>			<b>6</b>		

#### Humanities (Select 6 hours)

ENGL 231 or ENGL 241 or ENGL 221	English Literature to 1798 or American Literature to 1870 or World Literature to 1600 <small>(or other literature elective)</small>	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I <small>(or other literature elective)</small>	3
ARTS 123 or ARTS 110 or MUSC 123 or THEA 120	History and Appreciation of Art or Intro to Art or History and Appreciation of Music or History and Appreciation of Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation (or other art) or Music Appreciation (or other music) or Theatre via Video (or other theatre)	3
PHIL 200	Intro to Philosophy	3	PHILOS 1105	Intro to Philosophy <small>(or other philosophy)</small>	3
	Other fine art, literature, or philosophy elective	3		Other fine art, literature, or philosophy elective	3
<b>Total Hours</b>			<b>6</b>		

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