

# Crowder College — Missouri S&T

## Chemistry BA Transfer Guide

Effective as of Fall 2020

### Crowder College

### Missouri S&T

#### Communication Skills (Take all courses)

ENGL 101	English Composition	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102	Advanced English Composition	3	ENGLISH 1160	Writing and Research	3
	Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)	9-12		Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)	9-12
Total Hours			Total Hours		
15-18			15-18		

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

MATH 150, 160	Calculus I Part I and II	5	MATH 1214	Calculus for Engineers I	4
MATH 201	Calculus II	5	MATH 1215	Calculus for Engineers II	4
CHEM 111	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 112	General Chemistry II	5	CHEM 1320, 1510	General Chemistry II and Qualitative Analysis	5
Total Hours			Total Hours		
20			18		

#### Humanities

(Select up to 9 hours to include at least 1 fine art, 1 English, and 1 philosophy)

ART 101 or MUSC 101 or TA 205	Art Appreciation or Music Appreciation or Intro to Theatre (or other fine art)	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre Appreciation (or other fine art)	3
ENGL 240 or ENGL 230 or ENGL 222 or	British Literature I or Survey of American Literature I or World Literature I (or other literature elective)	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 (or other literature elective)	3
PHIL 101	Intro to Western Philosophy (or other philosophy)	3	PHILOS 1105	Intro to Philosophy (or other philosophy)	3
	<i>See your advisor for course options</i>			Other fine art, literature, or philosophy elective	3
Total Hours			Total Hours		
9			9		

#### Social Sciences

(Select up to 12 hours in two areas, to include History 1100 and 1200)

HIST 101	Western Civilization I (required)	3	HISTORY 1100	Early Western Civilization (required)	3
HIST 102	Western Civilization II (required)	3	HISTORY 1200	Modern Western Civilization (required)	3
ECON 202 or ECON 201	Principles of Economics II (Micro) or Principles of Economics I (Macro)	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PLSC 103	National, State, Local Government	3	POL SCI 1200	American Government	3
PSYC 101	General Psychology	3	PSYCH 1101	General Psychology	3
HIST 106	U.S. History I	3	HISTORY 1300	American History to 1877	3
HIST 107	U.S. History II	3	HISTORY 1310	American History since 1877	3
	<i>See your advisor for course options</i>			Other history, economics, political science, psychology, or sociology	
Total Hours			Total Hours		
12			12		

#### Additional Degree Requirements (Select additional courses to total 60 credit hours)

MATH 202	Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
PHYS 190	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 210	General Physics II	5	PHYSICS 2135	Engineering Physics II	4
BIOL 101	General Biology	4	BIO SCI 1113, 1219*	General Biology (3) and Lab* (2) <small>*Note: BIO SCI 1219 is not an S&amp;T degree requirement; course will transfer as elective credit.</small>	3

#### 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.