

# Crowder College — Missouri S&T

## Geology and Geophysics BS 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 or ENGL 203	Advanced Englished Composition or Technical Report Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
COMM 104	Fundamentals of Speech <small>(if required for AA degree)</small>	3	SPMS 1185	Principles of Speech <small>(Applies to S&amp;T degree as free elective)</small>	3
Total Hours			Total Hours		
9			9		

#### Mathematics and Science (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
PHYS 190	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 210	General Physics II	5	PHYSICS 2135	Engineering Physics II	4
GEOL 115	Intro to Geology	4	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3
Total Hours			Total Hours		
29			24		

#### Social Sciences (Take all courses)

HIST 102 or HIST 106 or HIST 107 or PLSC 103	Western Civilization II or U.S. History I or U.S. History II or National, State, Local Government <small>(At least one of these courses is required to satisfy state)</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 202 or ECON 201	Principles of Economics II (Micro) or Principles of Economics I (Macro)  <i>See your advisor for course options</i>	3  3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics  Other economics, history, political science, sociology, psychology elective	3  3
Total Hours			Total Hours		
9			9		

#### Humanities (Select 6 hours)

ART 101	Art Appreciation	3	ART 1180	Art Appreciation	3
MUSC 101	Music Appreciation	3	MUSIC 1150	Music Understanding and Appreciation	3
TA 205	Intro to Theatre	3	THEATRE 1190	Theatre Appreciation	3
ENGL 240	British Literature I	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENGL 230	Survey of American Literature I	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENGL 222	World Literature I	3	ENGLISH 1231	World Literature I	3
PHIL 101	Intro to Western Philosophy	3	PHILOS 1105	Intro to Philosophy	3
	<i>See your advisor for course options</i>			Other fine art, literature, or philosophy elective	
Total Hours			Total Hours		
6			6		

#### Additional Degree Electives (Select up to 16 hours)

MATH 202	Calculus III	5	MATH 2222	Calculus with Analytic Geometry III <small>(Transfers as required science elective)</small>	4
MATH 210	Differential Equations	3	MATH 3304	Elementary Differential Equations <small>(Transfers as required science elective)</small>	3
CHEM 112	General Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis* (2) <small>*Note: CHEM 1320 will transfer as required science elective. CHEM 1510 is not an S&amp;T degree requirement; course will transfer as elective credit.</small>	3
BIOL 101	General Biology <small>(if required for AA degree)</small>	4	BIO SCI 1113, 1219	General Biology and Lab <small>(will transfer as elective credit)</small>	3
	Other science, mathematics, or engineering course.	3		Other science, mathematics, or engineering course.	3
Total Hours			Total Hours		
16			16		

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

**67**

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.