

# Crowder College — Missouri S&T

Geology and Geophysics BS  
Transfer Guide Effective as of Fall 2024

## 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 English Composition or Technical Report Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
Total Hours			6		
Total Hours			6		

### Mathematics and Science

Take all courses.

MATH 150, 160	Calculus I Part I and II	5	MATH 1214	Calculus I	4
MATH 201	Calculus II	5	MATH 1215	Calculus 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	GEOLGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3
COMP 101	Intro to Computer Science	3	CS 1971, 1981*	Intro to Programming Methodology and Lab <small>*Will be substituted for CS 1500.</small>	3
Total Hours			32		
Total Hours			27		

### 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 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 202 or ECON 201	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	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			9		
Total Hours			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 via Video	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	Self and World: Intro to Philosophy	3
Humanities	Other fine art, literature, or philosophy elective	3	Humanities	Other fine art, literature, or philosophy elective	3
Total Hours			6		
Total Hours			6		

### Additional Degree Requirements

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

MATH 202	Calculus III	5	MATH 2222	Calculus III <small>Applies to the degree as a required science elective.</small>	4
MATH 210	Differential Equations	3	MATH 3304	Elementary Differential Equations <small>Applies to the degree as a required science elective.</small>	3
CHEM 112	General Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>Applies to the degree as a required science elective. *CHEM 1510 is not an S&amp;T degree requirement. Will transfer as general credit.</small>	3
BIOL 101 or BIOL 102	General Biology (5) or Biology Concepts (3)	3-5	BIO SCI 1113, 1219* or BIOL 1113	General Biology and Lab (4) and General Biology (3) (no lab) <small>Applies to the degree as a required science elective. *BIO SCI 1219 is not an S&amp;T degree requirement, applies to degree as general elective credit.</small>	3
Science, Math, Engineering	Other science, mathematics, or engineering course.	3	Science, Math, Engineering	Other science, mathematics, or engineering course.	3

### 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.