

# Moberly Area Community College — Missouri S&T

## Geology and Geophysics BS Transfer Guide

Effective as of Fall 2017

### Partner School

### Missouri S&T

#### Communication Skills (Take all courses)

LAL 101	English I	3	ENGLISH 1120	Exposition and Argumentation	3
LAL 102	Exposition	3	ENGLISH 1160	Writing and Research	3
SPK 101	Public Speaking (Required for AA degree)	3	SPMS 1185	Principles of Speech (Applies to S&T degree as free elective)	3
Total Hours			Total Hours		
9			9		

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

MTH 201	Analytic Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 202	Analytic Geometry and Calculus II	5	MATH 1215	Calculus for Engineers II	4
MTH 220	Probability and Statistics-Calc Based	3	STAT 3115	Engineering Statistics	3
PHY 121	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHY 201	College Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHY 202	College Physics II	5	PHYSICS 2135	Engineering Physics II	4
CIT 205 or CIT 105	Programming II or Programming I	3	CS 1570, 1580 or CS 1971, 1981 or CS 1972, 1982	Intro to Programming or Intro to Programming Methodology and Lab or Intro to MATLAB Programming and Lab	3
Total Hours			Total Hours		
28			24		

#### Social Sciences (Take all courses)

HST 102 or HST 105 or HST 106 or PSC 103 or PSC 105	Western Civilization II or American History to 1865 or American History from 1865 or American Government or Functions & Policies of 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
ECN 102 or ECN 101	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
Total Hours			Total Hours		
9			9		

#### Humanities (Select 6 hours)

ART 101 or ART 102	Art Appreciation I or II	3	ART 1180	Art Appreciation	3
MUS 101 or MUS 102	Fundamentals of Music or Music Appreciation	3	MUSIC 1150	Music Understanding and Appreciation	3
DRM 120	Theatre Appreciation	3	THEATRE 1190	Theatre Appreciation	3
LAL 150	English Literature to 1750	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
LAL 120	American Literature to 1870	3	ENGLISH 1221	American Literature: 1600 to 1865	3
PHI 150	Introduction to Philosophy	3	PHILOS 1105	Intro to Philosophy	3
Total Hours			Total Hours		
6			6		

#### Additional Degree Electives (Select up to 9 hours)

MTH 203	Analytic Geometry and Calculus III	5	MATH 2222	Calculus with Analytic Geometry III <small>(Transfers as required science elective)</small>	4
MTH 250	Differential Equations	3	MATH 3304	Elementary Differential Equations <small>(Transfers as required science elective)</small>	3
PHY 122	General Chemistry II	5	CHEM 1320	General Chemistry II <small>(Transfers as required science elective)</small>	3
BIO 101	Biology <small>(Required for AA degree)</small>	4	BIO SCI 1113	General Biology <small>(Transfers as required science elective)</small>	3
Total Hours			Total Hours		
9			9		

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

**69**

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.