

# Mineral Area College — Missouri S&T

## Elementary Education - STEM Focus

### Effective Fall 2020

#### Mineral Area College

#### Missouri S&T

#### Communication Skills (Take all courses)

ENG 1330	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 1340	English Composition II	3	ENGLISH 1160	Writing and Research	3
ENG 1440	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours			Total Hours		
			9		

#### Humanities (Take all courses)

ART 1490 or MUS 1630	History of Art I or Appreciation of Music	3	ART 1180 or MUS 1150	Art Appreciation or Music Appreciation	3
ENG 2330 or ENG 2430 or ENG 2492	English Literature I or American Literature I or Women's Literature (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 2242	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or Literature by Women (or other literature elective)	3
PHI 1400	Intro to Philosophy	3	PHILOS 1105	Introduction to Philosophy	3
Total Hours			Total Hours		
			9		

#### Social Sciences (Select up to 16 credit hours)

BUS 2940 or BUS 2930	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
HIS 1130	Western Civilization I	3	HISTORY 1100	Early Western Civilization	3
HIS 1140	Western Civilization II	3	HISTORY 1200	Modern Western Civilization	3
HIS 1230 or HIS 1240	American History I or American History II	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
GEO 1130	Regional World Geography	3	HISTORY 2110	World Regional Geography	3
POS 1180	American Political Systems	3	POL SCI 1200	American Government	3
PSY 1130	General Psychology I	3	PSYCH 1101	General Psychology	3
Total Hours			Total Hours		
			21		
			16		

#### Mathematics and Sciences (Select up to 16 credit hours)

BIO 1150	General Biology	5	BIO SCI 1113, 1219	General Biology and Lab	5
PHS 1350 or PHS 2410	General Chemistry I or Physical Geology	5	CHEM 1310, 1319 or GEOLOGY 1110	General Chemistry I and Lab (5) or Physical and Environmental Geology (3)	3-5
CSC 1600 or CSC 2400	C# Programming or Computer Programming in C++	3	IST 1551 or CS 1971, 1981	Implement Info Systems: User Perspective or Intro to Programming Method and Lab (C++)	3
MAT 1230	College Algebra (or higher level math)	3	MATH 1140	College Algebra (or higher level math)	3
PHS1420 or PHS 1200	College Physics I (4) or Intro to Astronomy (3)	3-4	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
Total Hours			Total Hours		
			16		
			16		

#### Teacher Certification Requirements (Take all courses)

EDU 2040	Foundations of Education	3	EDUC 1040	Perspectives in Education	2
ENG 2520	Children's Literature	3	EDUC 3430	Children's Literature	3
EDU 2320	Educational Psychology	3	PSYCH 2300 (EDUC 2102)	Educational Psychology	3
EDU 2500	Education of Exceptional Learner	3	PSYCH 4310	Psychology of the Exceptional Child	3
PSY 1250	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	3
Total Hours			Total Hours		
			15		
			14		

**\*Teacher certification notes:** An ACT of 22 or a 220 on the MoGEA is required for professional standing in the department. Students must pass the MoCA, maintain a 2.75 cumulative GPA, and a 3.0 content GPA to qualify for student teaching. Students completing this program will earn a BA in Multidisciplinary Studies.

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

**64**

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.