

Jefferson College — Missouri S&T

Elementary Education - STEM Focus

Effective Fall 2020

Jefferson College

Missouri S&T

Communication Skills (Take all courses)

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	Composition and Rhetoric II	3	ENGLISH 1160	Writing and Research	3
COM 110	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours			Total Hours		
9			9		

Humanities (Take all courses)

ART 101 or MUS 121	Art Appreciation or Appreciation of Music	3	ART 1180 or MUS 1150	Art Appreciation or Music Appreciation	3
ENG 130 or ENG 175 or ENG 215	English Life and Literature I or American Literature I or World Literature before 1650 (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
PHL 102 or PHL 101	Introduction to Philosophy or Intro to Logic	3	PHILOS 1105 or PHILOS 1115	Introduction to Philosophy or Intro to Logic	3
Total Hours			Total Hours		
9			9		

Social Sciences (Select up to 16 credit hours)

ECO 102 or ECO 101	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
HIST 101	Ancient and Medieval Civilization	3	HISTORY 1100	Early Western Civilization	3
HIST 102	Renaissance to Early Modern Europe	3	HISTORY 1200	Modern Western Civilization	3
HST 103 or HIST 104	American History I or American History II	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
GEO 103	World Regional Geography	3	HISTORY 2110	World Regional Geography	3
PSC 102	US and Missouri Govt. and Constitution	3	POL SCI 1200	American Government	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
Total Hours			Total Hours		
16			16		

Mathematics and Sciences (Select up to 19 credit hours)

BIO 101	General Biology	5	BIO SCI 1113, 1219	General Biology and Lab	5
CHM 111 or PHY 105	General Chemistry I (5) or Physical Geology (4)	4-5	CHEM 1310, 1319 or GEOLOGY 1110	General Chemistry I (3) and Lab (1) or Physical and Environmental Geology (3)	3-4
CIS 155	Intro to Computer Programming	3	CS 1971, 1981	Intro to Programming Method and Lab (C++)	3
MTH 134	College Algebra (or higher level math)	3	MATH 1140	College Algebra (or higher level math)	3
PHY 123 or PHY 106	General Physics I or Intro to Astronomy	3	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
Total Hours			Total Hours		
19			19		

Teacher Certification Requirements (Take all courses)

EDU 210	Foundations of Education	3	EDUC 1040	Perspectives in Education	2
EDU 245	Children's Literature	3	EDUC 3430	Children's Literature	3
EDU 225	Educational Psychology	3	PSYCH 2300 (EDUC 2102)	Educational Psychology	3
PSY 201	Child Psychology	3	PSYCH 3310	Developmental Psychology	3
Total Hours			Total Hours		
12			11		

***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.