

St. Charles Community College — Missouri S&T

Elementary Education - STEM Focus

Effective Fall 2020

St. Charles Community College

Missouri S&T

Communication Skills (Take all courses)

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	English Composition II	3	ENGLISH 1160	Writing and Research	3
COM 106	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours			Total Hours		
9			9		

Humanities (Take all courses)

ART 101 or MUS 111	Art Appreciation or Music Appreciation	3	ART 1180 or MUS 1150	Art Appreciation or Music Appreciation	3
LIT 250 or LIT 210 or LIT 272 or LIT 223	English Literature Before 1800 or American Literature From 1620-1865 or World Lit-Ancient World thru Renaissance or African American Literature (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2245 or	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or African American Literature (or other literature elective)	3
PHL 101 or PHL 102	Intro to Philosophy or Intro to Logic	3	PHILOS 1105 or PHILOS 1115	Intro to Philosophy or Intro to Logic	3
Total Hours			Total Hours		
9			9		

Social Sciences (Select up to 16 credit hours)

ECO 120 or ECO 110	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
HIS 145	Western Civ: Ancient and Medieval Heritage	3	HISTORY 1100	Early Western Civilization	3
HIS 146	Western Civ: Modern European Heritage	3	HISTORY 1200	Modern Western Civilization	3
HIS 101 or HIS 102	US History to 1877 or US History Since 1877	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
GEO 110	Geography for Educators	3	HISTORY 2110	World Regional Geography	3
POL 101	American Government	3	POL SCI 1200	American Government	3
PSY 101	Intro to Psychology	3	PSYCH 1101	General Psychology	3
Total Hours			Total Hours		
16			16		

Mathematics and Sciences (Select up to 16 credit hours)

BIO 105,106 or BIO 150	Essentials of Biology (3 and Lab (1) or General Biology I (5)	4-5	BIO SCI 1113, 1219	General Biology and Lab	5
BIO 151	General Biology II (5)	5	BIO SCI 1223, 1229	Biodiversity and Lab	4
CHM 115 or PHY 125	General Chemistry I (5) or Intro to Physical Geology (3)	3-5	CHEM 1310, 1319 or GEOLOGY 1110	General Chemistry I and Lab (5) or Physical and Environmental Geology (3)	3-5
CPT 182	Beginning Programming in C++	3	CS 1971, 1981	Intro to Programming Method and Lab (C++)	3
MAT 158	College Algebra (or higher level math)	3	MATH 1140	College Algebra (or higher level math)	3
PHY 150 or PHY 130	General Physics I or Astronomy	3	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
Total Hours			Total Hours		
16			16		

Teacher Certification Requirements (Take all courses)

EDU 212	Foundations of Education in a Diverse Society	3	EDUC 1040	Perspectives in Education	2
EDU 225	Literature for Children	3	EDUC 3430	Children's Literature	3
EDU 240	Educational Psychology	3	PSYCH 2300 (EDUC 2102)	Educational Psychology	3
PSY 110	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	3
EDU 250	Education of Exceptional Learners	3	PSYCH 4310	Psychology of the Exceptional Child	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.

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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.