

Metropolitan Community Colleges — Missouri S&T

Elementary Education - STEM Focus

Effective Fall 2020

Metropolitan Community Colleges

Missouri S&T

Communication Skills (Take all courses)

ENGL 101	Composition and Reading I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102	Composition and Reading II	3	ENGLISH 1160	Writing and Research	3
COMM 100	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3
Total Hours			9		

Humanities (Take all courses)

ART 108 or MUSI 108	Survey of Art or Music Appreciation	3	ART 1180 or MUS 1150	Art Appreciation or Music Appreciation	3
ENGL 220 or ENGL 222 or ENGL 254 or ENGL 260 or ENGL 262/268	British Literature to 1750 or American Literature I or World Literature I or African-American Literature or Women's Lives and Autobiography/Women's Literature (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2245 or ENGLISH 2242 or	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or African American Literature or Literature by Women (or other literature elective)	3
PHIL 100 or PHIL 200	Introduction to Philosophy or Logic	3	PHILOS 1105 or PHILOS 1115	Introduction to Philosophy or Intro to Logic	3
Total Hours			9		

Social Sciences (Select up to 16 credit hours)

ECON 211 or ECON 210	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
HIST 133	Foundations of Western Civilization	3	HISTORY 1100	Early Western Civilization	3
HIST 134	Western Civilization II	3	HISTORY 1200	Modern Western Civilization	3
HIST 120 or HIST 121	United States History to 1865 or United State History since 1865	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
GEOG 105	World Geography	3	HISTORY 2110	World Regional Geography	3
POLS 136	Introduction to American Politcs	3	POL SCI 1200	American Government	3
PSYC 140	General Psychology	3	PSYCH 1101	General Psychology	3
Total Hours			16		

Mathematics and Sciences (Select up to 16 credit hours)

BIOL 101	General Biology	5	BIO SCI 1113, 1219	General Biology and Lab	5
BIOL 124	General Biology for Majors II	4		Principles of Biology II equivalent (or BIO SCI 1223, 1229 Biodiversity and Lab)	4
CHEM 111 or GEOL 101	General College Chemistry I or General Geology	5	CHEM 1310, 1319 or GEOLOGY 1110	General Chemistry I and Lab or Physical and Environmental Geology	5 or 3
CSIS 123 or CSIS 223 or ENGR 204	Programming Fundamentals or Object-Oriented Programming with C++ or Programming for Engineers and Scientists	3	CS 1971, 1981 or CS 1972, 1982	Intro to Programming Method and Lab (C++) or Intro to MATLAB Programming and Lab	3
MATH 120	College Algebra (or higher level math)	3	MATH 1140	College Algebra (or higher level math)	3
PHYS 130 or PHYS 106	General Physics I or General Astronomy	5	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
Total Hours			25		

Teacher Certification Requirements (Take all courses)

EDUC 100	Introduction to Education	2	EDUC 1040	Perspectives in Education	2
EDUC 215	Children's Literature for Elementary Teachers	3	EDUC 3430	Children's Literature	3
EDUC 270	Educational Psychology	3	PSYCH 2300 (EDUC 2102)	Educational Psychology	3
PSYC 241	Human Development	3	PSYCH 3310	Developmental Psychology	3
EDUC 285	Education of Exceptional Learners	3	PSYCH 4310	Psychology of the Exceptional Child	3
Total Hours			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.