

Metropolitan Community College — Missouri S&T

Early Childhood, Elementary, and Middle School Teacher Education Transfer Guide

Effective as of Fall 2023

Complete Group 1 - Core Requirements and Group 2 - Major Requirements for major of choice.

Group 1 - Core Requirements: All Emphasis/Focus Areas Take All Courses

Education students take all Group 1 - Core Requirements and Group 2 - Emphasis Area Requirements for major of choice.

<u>Metropolitan Community College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENGL 101	Composition and Reading I	3	ENG 1120	Exposition and Argumentation	3
ENGL 102	Composition and Reading II	3	ENG 1160	Writing and Research	3
COMM 100	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3
ENGL 220 or ENGL 222 or ENGL 254 or ENGL 260 or ENGL 262 or ENGL 268	British Literature to 1750 or American Literature I or World Literature I or African-American Literature or Women's Lives and Autobiography or Women's Literature <small>(or other literature elective)</small>	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 <small>(or other literature elective)</small>	3
PHIL 100 or PHIL 200	Introduction to Philosophy or Logic	3	PHIL1105 or PHIL 1115	Intro to Philosophy or Intro to Logic	3
GEOG 105	World Geography	3	HISTORY 2110	World Regional Geography	3
POLS 136	Introduction to American Politics	3	POL SCI 1200	American Government	3
PSYC 140	General Psychology	3	PSYCH 1101	General Psychology	3
EDUC 100	Introduction to Education	2	EDUC 1040	Perspectives in Education	3
EDUC 201	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1
EDUC 270	Educational Psychology	3	PSYCH 2300	Educational Psychology	3
PSYC 241	Human Development	3	PSYCH 3310	Developmental Psychology	3
EDUC 285	Education of Exceptional Learners	3	EDUC 2310	Education of the Exceptional Child	3
Total Hours		38	Total Hours		37

Group 2 - Emphasis/Focus Area Requirements: Take All Courses for Emphasis/Focus of Choice

Middle School Teacher Education students take all Group 1 - Core Requirements (above) and Group 2 - Emphasis Area Requirements for chosen emphasis area from list below. See course requirements on following pages.

Early Childhood

Elementary Education STEM Focus

Middle School English Emphasis

Middle School Mathematics Emphasis

Middle School Science Emphasis

Middle School Social Studies Emphasis

Middle School Teacher Education Emphasis Area Requirements are detailed on the following pages.

Humanities/Social Science (HSS) Electives: HSS electives may include any history, economics, political science, sociology, psychology, philosophy, fine art, literature, or foreign language. Missouri S&T approved HSS courses are listed at ugs.mst.edu. Your campus may have additional acceptable options. Consult with your advisor or email transfer@mst.edu with questions.

Early Childhood

Metropolitan Community College		Semester	Missouri S&T		
BIOL 101	General Biology (5)	4	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
CHEM 111 or	General College Chemistry I or	5	CHEM 1310, 1319 or	General Chemistry I and Lab or	3
GEOL 191	Physical Geology	3	GEOLOGY 1110	Physical and Environmental Geology	3
MATH 120	College Algebra (or higher level math)	4	MATH 1140	College Algebra (or higher level math)	3
PHYS 106 or	General Astronomy (4) or	4	PHYSICS 1505 or	Introductory Astronomy (3) or	3
PHYS 130	General Physics I (5)	3	PHYSICS 1145	College Physics I (4)	3
HIST 133 or	Foundations of Western Civilization or	3	HISTORY 1100 or	Early Western Civilization or	3
HIST 134 or	Modern Western Civilization or	3	HISTORY 1200 or	Modern Western Civilization or	3
HIST 120 or	United States History to 1865 or	3	HISTORY 1300 or	American History to 1877 or	3
HIST 121	United States History since 1865	3	HISTORY 1310	American History since 1877	3
EDUC 215	Children's Literature for Elementary Teachers	3	EDUC 3430	Children's Literature	3
ART 108 or	Survey of Art or	3	ART 1180 or	Art Appreciation or	3
MUSI 108	Music Appreciation	25	MUSIC 1150	Music Understanding and Appreciation	23
	Group 2 Major Requirements	38		Group 2 Major Requirements	37
	Group 1 Core Requirements	63		Group 1 Core Requirements	60
	Total Hours			Total Hours*	

*S&T advisor permission is required to transfer more than 61 credits toward the S&T degree for Early Childhood Emphasis Area.

Professional Requirements for Teacher Education Program: Please view all Professional Standing and Curriculum requirements at <https://teachereducation.mst.edu/earlychildhood/>.

Elementary Education STEM Focus

Metropolitan Community College		Semester	Missouri S&T		
BIOL 101	General Biology (5)	4	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
CHEM 111 or	General College Chemistry I or	5	CHEM 1310, 1319 or	General Chemistry I and Lab or	3
GEOL 191	Physical Geology	3	GEOLOGY 1110	Physical and Environmental Geology	3
MATH 120	College Algebra (or higher level math)	4	MATH 1140	College Algebra (or higher level math)	3
PHYS 106 or	General Astronomy (4) or	4	PHYSICS 1145 or	College Physics I or	3
PHYS 130	General Physics I (5)	3	PHYSICS 1505	Astronomy	3
HIST 133	Foundations of Western Civilization	3	HISTORY 1100	Early Western Civilization	3
HIST 134	Modern Western Civilization	3	HISTORY 1200	Modern Western Civilization	3
HIST 120 or	United States History to 1865 or	3	HISTORY 1300 or	American History to 1877 or	3
HIST 121	United States History since 1865	3	HISTORY 1310	American History since 1877	3
ECON 211 or	Microeconomics or	3	ECON 1100 or	Principles of Microeconomics or	3
ECON 210	Macroeconomics	3	ECON 1200	Principles of Macroeconomics	3
EDUC 215	Children's Literature for Elementary Teachers	3	EDUC 3430	Children's Literature	3
ART 108 or	Survey of Art or	3	ART 1180 or	Art Appreciation or	3
MUSI 108	Music Appreciation	3	MUSIC 1150	Music Understanding and Appreciation	3
	World History Elective	3		World History Elective	3
	American History Elective	40		American History Elective	38
	Group 2 Major Requirements	38		Group 2 Major Requirements	37
	Group 1 Core Requirements	78		Group 1 Core Requirements	75
	Total Hours			Total Hours*	

*S&T advisor permission is required to transfer more than 63 credits toward the S&T degree for the Elementary Emphasis Area.

Professional Requirements for Teacher Education Program: Please view all Professional Standing and Curriculum requirements at <https://teachereducation.mst.edu/elementaryeducation/>.

Middle School Language Arts Emphasis Area

<u>Metropolitan Community College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
MATH 120	College Algebra	3	MATH 1140	College Algebra	3
BIOL 101	General Biology (5)	4	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
GEOL 101 or PHYS 106 or CHEM 111	Physical Geology (5) or General Astronomy (4) or General College Chemistry (5)	4	GEOLOGY 1110 or PHYSICS 1505 or CHEM 1310	Physical and Environmental Geology (3) or Introductory Astronomy (3) or General Chemistry (4)	3
CSIS 123 or CSIS 223 or ENGR 204	Programming Fundamentals or Object-Oriented Programming with C++ or Programming for Engineers	3	CS 1500 or CS 1971/1981 or CS 1972/1982	Computational Problem Solving or Intro to Programming Methodology and Lab or Intro to MATLAB Programming and Lab	3
ART 108 or MUSI 108 or SPDR 106	Survey of Art or Music Appreciation or Theater Appreciation	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3
ECON 211 or ECON 210 Elective	Microeconomics or Macroeconomics Literature Elective	3	ECON 1100 or ECON 1200 Literature Elective	Principles of Microeconomics or Principles of Macroeconomics Literature Elective	3
UL Literature Elective	Upper Level Literature Elective	3	UL Literature Elective	Upper Level Literature Elective	3
Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3	Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3
	Group 2 Major Requirements	29		Group 2 Major Requirements	29
	Group 1 Core Requirements	38		Group 1 Core Requirements	37
	Total Hours	67		Total Hours*	66

*S&T advisor permission is required to transfer more than 62 credits toward the S&T degree for Middle School English Emphasis Area.

Professional Requirements for Teacher Education Program: Please view all program requirements at <https://teachereducation.mst.edu/middleschool/>.

Middle School Mathematics Emphasis Area

<u>Metropolitan Community College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
BIOL 101	General Biology (5)	4	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
GEOL 191	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
PHYS 106 or PHYS 130 or CHEM 111*	General Astronomy (4) or General Physics I (5) or General College Chemistry I* (5)	4	PHYSICS 1505 or PHYSICS 1145 or CHEM 1310	Introductory Astronomy (3) or College Physics I (4) or General Chemistry (4)	3
MATH 120	College Algebra	3	MATH 1140	College Algebra	3
MATH 130	Trigonometry	3	MATH 1160	Trigonometry	2
MATH 180	Analytic Geometry and Calculus I	5	MATH 1214	Calculus I	4
MATH 190 or MATH 175	Analytic Geometry and Calculus II (5) or Calculus for Business and Social Science (3)	3	MATH 1215 or MATH 1212	Calculus II (4) or Survey of Calculus (4)	4
CSIS 123 or CSIS 223 or ENGR 204	Programming Fundamentals or Object-Oriented Programming with C++ or Programming for Engineers	3	CS 1500 or CS 1971/1981 or CS 1972/1982	Computational Problem Solving or Intro to Programming Methodology and Lab or Intro to MATLAB Programming and Lab	3
MATH 115 or ENGR 215	Statistics or Engineering Statistics and Computation	3	STAT 1115 or STAT 3115	Statistics for the Social Sciences I or Engineering Statistics	3
ART 108 or MUSI 108 or SPDR 106	Survey of Art or Music Appreciation or Theater Appreciation	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3
ECON 211 or ECON 210 Humanities Elective	Microeconomics or Macroeconomics Humanities: philosophy, fine art, literature, foreign language	3	ECON 1100 or ECON 1200 Humanities Elective	Principles of Microeconomics or Principles of Macroeconomics Humanities: philosophy, fine art, literature, foreign language	3
	Group 2 Major Requirements	42		Group 2 Major Requirements	39
	Group 1 Core Requirements	38		Group 1 Core Requirements	37
	Total Hours	80		Total Hours*	76

*S&T advisor permission is required to transfer more than 60 credits toward the S&T degree for Middle School Math Emphasis Area.

Professional Requirements for Teacher Education Program: Please view all program requirements at <https://teachereducation.mst.edu/middleschool/>.

Middle School Science Emphasis Area

<u>Metropolitan Community College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
BIOL 123 or BIOL 101	General Biology for Majors I (4) or General Biology (5)	4	BIO SCI 1213,1219 or BIO SCI 1113, 1219	Principles of Biology and Lab or General Biology and Lab	3
BIOL 102	Environmental Science	5	BIOL 1173	Intro to Environmental Sciences	3
BIOL 204 or BIOL 214	Genetics (3) or Principles of Genetics (4)	3	BIOL 2223	General Genetics	3
GEOL 101	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology (3)	3
GEOL 102	Historical Geology	4	GEOLOGY 1120	Evolution of the Earth (3)	3
PHYS 106 or PHYS 130	General Astronomy (4) or General Physics I (5)	4	PHYSICS 1505 or PHYSICS 1145	Introductory Astronomy (3) or College Physics I (4)	3
CHEM 111	General College Chemistry	5	CHEM 1310, 1319	General Chemistry I and Lab	5
MATH 120	College Algebra	3	MATH 1140	College Algebra	3
MATH 115 or ENGR 215	Statistics or Engineering Statistics and Computation	3	STAT 1115 or STAT 3115	Statistics for the Social Sciences I or Engineering Statistics	3
ART 108 or MUSI 108 or SPDR 106	Survey of Art or Music Appreciation or Theater Appreciation	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3
ECON 211 or ECON 210	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3	Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3
	Group 2 Major Requirements	45		Group 2 Major Requirements	38
	Group 1 Core Requirements	38		Group 1 Core Requirements	37
	Total Hours	83		Total Hours*	75

*S&T advisor permission is required to transfer more than 61 credits toward the S&T degree for Middle School Science Emphasis Area.

Professional Requirements for Teacher Education Program: Please view all program requirements at <https://teachereducation.mst.edu/middleschool/>.

Middle School Social Studies Emphasis Area

<u>Metropolitan Community College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
BIOL 101	General Biology (5)	4	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
CHEM 111* or PHYS 130* or PHYS 220* or PHYS 106* or GEOL 101	General College Chemistry I* (5) or General Physics I* (5) or Engineering Physics I* (5) General Astronomy* (4) or Physical Geology (5) (or other physical science lecture)	4	GEOLOGY 1110 or GEOLOGY 1120 or PHYSICS 1505 or PHYSICS 1145 or CHEM 1310	Physical and Environmental Geology (3) or Evolution of the Earth (3) or Introductory Astronomy (3) or College Physics I (4) or General Chemistry (4)	3
GEOL 101 or GEOL 102 or PHYS 106 or PHYS 130 or CHEM 111	Physical Geology (5) or Historical Geology (4) or General Astronomy (4) or General Physics I (5) or General College Chemistry I	4	GEOLOGY 1110 or GEOLOGY 1120 or PHYSICS 1505 or PHYSICS 1145 or CHEM 1310	Physical and Environmental Geology (3) or Evolution of the Earth (3) or Introductory Astronomy (3) or College Physics I (4) or General Chemistry (4)	3
MATH 120	College Algebra	3	MATH 1140	College Algebra	3
CSIS 123 or CSIS 223 or ENGR 204	Programming Fundamentals or Object-Oriented Programming with C++ or Programming for Engineers	3	CS 1500 or CS 1971/1981 or CS 1972/1982	Computational Problem Solving or Intro to Programming Methodology and Lab or Intro to MATLAB Programming and Lab	3
HIST 133 or HIST 134	Foundations of Western Civilization or Modern Western Civilization	3	HISTORY 1100 or HISTORY 1200	Early Western Civilization or Modern Western Civilization	3
HIST 120 or HIST 121	United States History to 1865 or United States History since 1865	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
ART 108 or MUSI 108 or SPDR 106	Survey of Art or Music Appreciation or Theater Appreciation	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3
ECON 211 or ECON 210	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
World History	World History Elective	3	World History	World History Elective	3
American History	American History Elective	3	American History	American History Elective	3
Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3	Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3
	Group 2 Major Requirements	39		Group 2 Major Requirements	38
	Group 1 Core Requirements	38		Group 1 Core Requirements	37
	Total Hours	77		Total Hours*	75

*S&T advisor permission is required to transfer more than 62 credits toward the S&T degree for Middle School Social Studies Emphasis Area.

Professional Requirements for Teacher Education Program: Please view all program requirements at <https://teachereducation.mst.edu/middleschool/>.