

## Johnson County 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>Johnson County Community College</u>			<u>Semester</u>	<u>Missouri S&amp;T</u>			
ENGL 121	Composition I	3		ENG 1120	Exposition and Argumentation	3	
ENGL 122	Composition II	3		ENG 1160	Writing and Research	3	
COMS 121	Public Speaking	3		SP&MS 1185	Principles of Speech	3	
ENGL 236 or	British Literature to 1800 or			ENGLISH 1211 or	British Literature I: The Beginnings to 1800 or		
ENGL 246 or	American Literature I or			ENGLISH 1221 or	American Literature: 1600 to 1865 or		
ENGL 251 or	World Literature to 1620 or	3		ENGLISH 1231 or	World Literature I or	3	
ENGL 217	Literature by Women (or other literature elective)			ENGLISH 2242	Literature by Women (or other literature elective)		
PHIL 121 or	Intro to Philosophy or			PHILOS 1105 or	Self and World: Intro to Philosophy or		
PHIL 124	Logic and Critical Thinking	3		PHILOS 1115	Logic and Reasoning: An Introduction	3	
GEOS 145	World Regional Geography	3		HISTORY 2110	World Regional Geography	3	
POLS 124	American National Government	3		POL SCI 1200	American Government	3	
PSYC 130	Intro to Psychology	3		PSYCH 1101	General Psychology	3	
EDUC 121	Introduction to Teaching	3		EDUC 1040	Perspectives in Education	3	
PSYC 225	Educational Psychology	3		PSYCH 2300	Educational Psychology	3	
PSYC 215	Child Development	3		PSYCH 3310	Developmental Psychology	3	
Total Hours			33	Total Hours			33

## 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](http://ugs.mst.edu). Your campus may have additional acceptable options. Consult with your advisor or email [transfer@mst.edu](mailto:transfer@mst.edu) with questions.

## Early Childhood

<u>Johnson County Community College</u>		<u>Semester</u>	<u>Missouri S&amp;T</u>		
CHEM 124, 125 or	General Chemistry I and Lab or	5	BIO SCI 1113, 1219	General Biology (3) and Lab (2)	5
GEOS 130	General Geology	5	CHEM 1310, 1319 or	General Chemistry I and Lab or	5 or
MATH 171	College Algebra (or higher level math)	3	GEOLOGY 1110	Physical and Environmental Geology	3
PHYS 130 or	College Physics I (5) or	3	MATH 1140	College Algebra (or higher level math)	3
ASTR 120 or	Fundamentals of Astronomy (3) or	3	PHYSICS 1145 or	College Physics I (4) or	3
ASTR 122	Astronomy (4)	3	PHYSICS 1505	Introductory Astronomy (3)	3
HIST 125 or	Western Civ: Ancient World to the Renaissance or	3	HISTORY 1100 or	Early Western Civilization or	3
HIST 151 or	World History I: Traditional or	3	HISTORY 1200 or	Modern Western Civilization or	3
HIST 126 or	Western Civ: Scientific Revolution to Modern Age or	3	HISTORY 1300 or	American History to 1877 or	3
HIST 140 or	U.S. History to 1877 or	3	HISTORY 1310	American History since 1877	3
HIST 141	U.S. History Since 1877	3	ENGLISH 2240	Children's Literature	3
ENGL 232	Children's Literature	3	MUSIC 1150	Music Understanding and Appreciation	3
MUS 121 or	Intro to Music Listening or	3	Group 2 Major Requirements		20
MUS 126	Intro to World Music	3	Group 1 Core Requirements		33
	Group 2 Major Requirements	20			20
	Group 1 Core Requirements	33			33
	Total Hours	53		Total Hours*	53

\*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

<u>Johnson County Community College</u>		<u>Semester</u>	<u>Missouri S&amp;T</u>		
BIOL 121	Intro to Biology for Non-Majors	4	BIO SCI 1113, 1219	General Biology (3) and Lab (2)	5
CHEM 124, 125 or	General Chemistry I and Lab or	5	CHEM 1310, 1319 or	General Chemistry I and Lab or	5 or
GEOS 130	General Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
MATH 171	College Algebra (or higher level math)	3	MATH 1140	College Algebra (or higher level math)	3
PHYS 130 or	College Physics I (5) or	3	PHYSICS 1145 or	College Physics I (4) or	3
ASTR 120 or	Fundamentals of Astronomy (3) or	3	PHYSICS 1505	Introductory Astronomy (3)	3
ASTR 122	Astronomy (4)	3	HISTORY 1100	Early Western Civilization	3
HIST 125 or	Western Civ: Ancient World to the Renaissance or	3	HISTORY 1200	Modern Western Civilization	3
HIST 151	World History I: Traditional	3	HISTORY 1300 or	American History to 1877 or	3
HIST 126	Western Civ: Scientific Revolution to Modern Age	3	HISTORY 1310	American History since 1877	3
HIST 140 or	U.S. History to 1877 or	3	ECON 1100 or	Principles of Microeconomics or	3
HIST 141	U.S. History since 1877	3	ECON 1200	Principles of Macroeconomics	3
ECON 231 or	Principles of Microeconomics or	3	ENGLISH 2240	Children's Literature	3
ECON 230	Principles of Macroeconomics	3	MUSIC 1150	Music Understanding and Appreciation	3
ENGL 232	Children's Literature	3		World History Elective	3
MUS 121 or	Intro to Music Listening or	3		American History Elective	3
MUS 126	Intro to World Music	3		Group 2 Major Requirements	35
	World History Elective	3		Group 1 Core Requirements	33
	American History Elective	3		Total Hours*	68
	Group 2 Major Requirements	39			35
	Group 1 Core Requirements	33			33
	Total Hours	72			33

\*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

Johnson County Community College		Semester	Missouri S&T		
MATH 116 or MATH 171	Intermediate Algebra or College Algebra	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra	3
BIOL 121	Intro to Biology for Non-Majors	4	BIO SCI 1113, 1219	General Biology (3) and Lab (2)	5
CHEM 124, 125 or GEOS 130 or ASTR 120 or ASTR 122	General Chemistry I and Lab or General Geology or Fundamentals of Astronomics (3) or Astronomy (4)	5	CHEM 1310 or GEOLOGY 1110 or PHYSICS 1505	General Chemistry (4) or Physical and Environmental Geology (3) or Introductory Astronomy (3)or	3
CS 235 or CS 250 or CS 200	Object-Oriented Programming Using C++ or Basic Data Structures using C++ or Concepts of Programming Algorithms Using C++	4	CS 1500 or CS 1971,1981	Computational Problem Solving or Intro to Programming Methodology and Lab (C++)	3
MUS 121 or MUS 126 or THEA 120	Intro to Music Listening or Intro to World Music or Intro to Theatre	3	MUSIC 1150 or THEATRE 1190	Music Understanding and Appreciation or Theatre via Video	3
ECON 231 or ECON 230	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
Literature Elective	Literature Elective	3	Literature Elective	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	31		Group 2 Major Requirements	29
	Group 1 Core Requirements	33		Group 1 Core Requirements	33
	Total Hours	64		Total Hours*	62

\*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

Johnson County Community College		Semester	Missouri S&T		
BIOL 121	Intro to Biology for Non-Majors	4	BIO SCI 1113, 1219	General Biology (3) and Lab (2)	5
GEOS 130	General Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
CHEM 124, 125 or PHYS 130 or ASTR 120 or ASTR 122	General Chemistry I and Lab (5) or College Physics I (5) or Fundamentals of Astronomics (3) or Astronomy (4)	3	CHEM 1310 or PHYSICS 1145 or PHYSICS 1505 or	General Chemistry (4) or College Physics I (4) or Introductory Astronomy (3) or	3
MATH 116	Intermediate Algebra	3	MATH 1103	Fundamentals of Algebra	3
MATH 171	College Algebra	3	MATH 1140	College Algebra	3
MATH 172	Trigonometry	2	MATH 1160	Trigonometry	2
MATH 241 and MATH 242	Calculus I and Calculus II	10	MATH 1214 and MATH 1215	Calculus I and Calculus II	8
				The combination of JCCC MATH 241 and 242 is equivalent to the combination of Missouri S&T 1214 and 1215. This requirement may also be satisfied with the equivalents of both Missouri S&T MAT 1214 and 1212.	
CS 235 or CS 250 or CS 200	Object-Oriented Programming Using C++ or Basic Data Structures using C++ or Concepts of Programming Algorithms Using C++	4	CS 1500 or CS 1971,1981	Computational Problem Solving or Intro to Programming Methodology and Lab (C++)	3
MATH 181	Statistics	3	STAT 1115	Statistics for the Social Sciences I	3
MUS 121 or MUS 126 or THEA 120	Intro to Music Listening or Intro to World Music or Intro to Theatre	3	MUSIC 1150 or THEATRE 1190	Music Understanding and Appreciation or Theatre via Video	3
ECON 231 or ECON 230	Principles of Microeconomics or Principles of 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	43		Group 2 Major Requirements	42
	Group 1 Core Requirements	33		Group 1 Core Requirements	33
	Total Hours	76		Total Hours*	75

\*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

Johnson County Community College	Semester	Missouri S&T
BIOL 121 Intro to Biology for Non-Majors	4	BIO SCI 1113, 1219 General Biology (3) and Lab (2) 5
EVNR 130 Environmental Science	3	BIO SCI 1173 Intro to Environmental Sciences 3
BIOL 205 General Genetics	3	BIO SCI 2223 General Genetics 3
PHYS 130 or ASTR 120 or ASTR 122 College Physics I (5) or Fundamentals of Astronomy (3) or Astronomy (4)	3	PHYSICS 1145 or PHYSICS 1505 College Physics I (4) or Introductory Astronomy (3) 3
CHEM 124, 125 General Chemistry I and Lab	5	CHEM 1310, 1319 General Chemistry I and Lab 5
MATH 116 or MATH 171 Intermediate Algebra or College Algebra	3	MATH 1103 or MATH 1140 Fundamentals of Algebra or College Algebra 3
MATH 181 Statistics		STAT 1115 Statistics for the Social Sciences I 3
MUS 121 or MUS 126 or THEA 120 Intro to Music Listening or Intro to World Music or Intro to Theatre	3	MUSIC 1150 or THEATRE 1190 Music Understanding and Appreciation or Theatre via Video 3
ECON 231 or ECON 230 Principles of Microeconomics or Principles of 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	30	Group 2 Major Requirements 34
Group 1 Core Requirements	33	Group 1 Core Requirements 33
Total Hours	63	Total Hours* 67

\*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

Johnson County Community College	Semester	Missouri S&T
BIOL 121 Intro to Biology for Non-Majors	4	BIO SCI 1113,1219 General Biology and Lab 4
CHEM 124, 125 or GEOS 130 or PHYS 130 or ASTR 120 or ASTR 122 General Chemistry I and Lab (5) or General Geology (3) or College Physics I (5) or Fundamentals of Astronomy (3) or Astronomy (4)	3	CHEM 1310 or GEOLOGY 1110 or PHYSICS 1145 or PHYSICS 1505 General Chemistry (4) or Physical and Environmental Geology (3) or College Physics I (4) or Introductory Astronomy (3) 3
MATH 116 or MATH 171 Intermediate Algebra or College Algebra	3	MATH 1103 or MATH 1140 Fundamentals of Algebra or College Algebra 3
CS 235 or CS 250 or CS 200 Object-Oriented Programming Using C++ or Basic Data Structures using C++ or Concepts of Programming Algorithms Using C++	4	CS 1500 or CS 1971,1981 Computational Problem Solving or Intro to Programming Methodology and Lab (C++) 3
HIST 125 or HIST 151 or HIST 126 Western Civ: Ancient World to the Renaissance or World History I: Traditional or Western Civ: Scientific Revolution to Modern Age	3	HISTORY 1100 or HISTORY 1200 Early Western Civilization or Modern Western Civilization 3
HIST 140 or HIST 141 U.S. History to 1877 or U.S. History since 1877	3	HISTORY 1300 or HISTORY 1310 American History to 1877 or American History since 1877 3
MUS 121 or MUS 126 or THEA 120 Intro to Music Listening or Intro to World Music or Intro to Theatre (or other fine art)	3	MUSIC 1150 or THEATRE 1190 Music Understanding and Appreciation or Theatre via Video (or other fine art) 3
ECON 231 or ECON 230 Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200 Principles of Microeconomics or Principles of Macroeconomics 3
World History	3	World History World History Elective 3
American History	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	35	Group 2 Major Requirements 34
Group 1 Core Requirements	33	Group 1 Core Requirements 33
Total Hours	68	Total Hours* 67

\*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/>.