## Johnson County Community College — Missouri S&T

Education BS with Early Childhood, Elementary, or Middle School Teacher Education

Transfer Guide Effective as of Fall 2025

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.

	Education students take all Group 1 - Core Requirements and Group 2 - Emphasis Area Requirements for major of choice.									
	Johnson County Community College	<u> </u>	Semester	<u>[</u>	Missouri S&T					
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			
PHIL 121 or	Intro to Philosophy or		3	PHILOS 1105 or	Self and World: Intro to Philosophy or		3			
PHIL 124	Logic and Critical Thinking			PHILOS 1115	Logic and Reasoning: An Introduction		Ŭ			
POLS 124	American National Government		3	POL SCI 1200	American Government		3			
EDUC 121	Introduction to Teaching		3	EDUC 1074	Education in a Diverse Society		3			
PSYC 225	Educational Psychology		3	EDUC 2102 or PSYCH 2300	Educational Psychology		1			
PSYC 215	Child Development		3	PSYCH 3310	Developmental Psychology		3			
		Total Hours	24			Total Hours	22			

## **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 Sciences 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** Johnson County Community College Missouri S&T **Degree Requirements** It is recommended that AAT-track students prioritize coursework in this section and the Group 1 - Core Requirements section before completing any courses from the Additional Degree Requirements section. Students should consult closely with their community college/transfer school advisor to select coursework to total no more than the maximum of 61 transferable credits. BIOL 121 BIO SCI 1113 1219 Intro to Biology for Non-Majors 4 General Biology (3) and Lab (1) General Chemistry I and Lab (5) or Physical and Environmental Geology (3) CHEM 124, 125 or General Chemistry I and Lab or CHEM 1310 1319 or 5 3 Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit. Department will substitute CHEM 1310, 1319 or GEOLOGY 1120 for this requirement. **GEOS 130** General Geology **GEOLOGY 1110** Fundamentals of Algebra or MATH 1160 or Intermediate Algebra or MATH 1103 or 3 3 College Algebra or higher math MATH 11 College Algebra or higher math MATH 1140 College Physics I (4) or PHYS 130 or College Physics I (5) or PHYSICS 1145 or Astronomy (3) ASTR 120 or Fundamentals of Astronomy (3) or 3 3 PHYSICS 1505 Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit. ASTR 122 Astronomy (4) GEOS 145 World Regional Geography 3 HISTORY 2110 World Regional Geography 3 HIST 140 or U.S. History to 1877 or American History to 1877 or HISTORY 1300 or HIST 141 or U.S. History Since 1877 or American History since 1877 or HISTORY 1310 or HIST 125 or Western Civ: Ancient World to the Renaissance or 3 Early Western Civilization or 3 HISTORY 1100\* or HIST 151 or World History: Traditional or Modern Western Civilization or HISTORY 1200\* or HIST 126 Western Civ: Scientific Revolution to Modern Age or \*Department will substitute HISTORY 1100 or 1200 for this requirement FDUC 3430 or Diverse Literature for Children or ENGL 232 3 3 Children's Literature ENGLISH 2240 Children's Literature Literature Elective 3 Literature Literature Literature Elective 3 PSYC 130 Intro to Psychology 3 **PSYCH 1101** General Psychology 3 MUS 121 or Intro to Music Listening or 3 **MUSIC 1150** Music Understanding and Appreciation 3 MUS 126 Intro to World Music Additional Degree Requirements It is recommended that AAS or Certificate Program students who have completed the coursework below work closely with their community collee/transfer school advisor to complete selected courses from the Recommended Transfer Coursework section and the Group 1 - Core Requirements section to total no more than the maximum of 61 transferable credits. EDUC 130 Foundations of Early Childhood Education **EDUC 1055** 3 Intro to Early Childhood Education 3 EDUC 250 Child Health, Safety and Nutritiion 3 **EDUC 1221** Health, Nutrition, and Safety in Early Childhood Education 3 3 EDUC 260 Observing and Interacting with Young Children **EDUC 2440** Observation and Assessment of Young Children 3 **EDUC 234** Families in Society 3 **EDUC 2401** School, Family, and Community Partnerships 3 PSYC 215 Child Development 3 **EDUC 2211** Child Development 3 Group 2 Emphasis/Focus Area Requirements 37 Group 2 Emphasis/Focus Area Requirements 39 24 Group 1 Core Requirements 22 Group 1 Core Requirements **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		iucatio	DI STEW F	ocus	
<u>J</u>	ohnson County Community College		<u>Semester</u>		Missouri S&T	
BIOL 121	Intro to Biology for Non-Majors	4		BIO SCI 1113, 1219	General Biology (3) and Lab (1)	4
CHEM 124, 125 or GEOS 130	General Chemistry I and Lab or General Geology	5		CHEM 1310, 1319 or GEOLOGY 1110	General Chemistry I and Lab (5) or Physical and Environmental Geology (3) Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit.	3
MATH 1160 or MATH 11	Intermediate Algebra or College Algebra or higher math	3		MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra or higher math Department will substitute MATH 1103 for MATH 1140.	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 Astronomy (3) Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit.	3
GEOS 145	World Regional Geography	3		HISTORY 2110	World Regional Geography	3
HIST 125 or HIST 151	Western Civ: Ancient World to the Renaissance or World History: Traditional	3		HISTORY 1100	Early Western Civilization	3
HIST 126	Western Civ: Scientific Revolution to Modern Age	3		HISTORY 1200	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
ECON 231 or ECON 230	Principles of Microeconomics or Principles of Macroeconomics	3		ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomice	3
ENGL 232	Children's Literature	3		EDUC 3430 or ENGLISH 2240	Diverse Literature for Children or Children's Literature	3
PSYC 130	Intro to Psychology	3		PSYCH 1101	General Psychology	3
MUS 121 or MUS 126	Intro to Music Listening or Intro to World Music	3		MUSIC 1150	Music Understanding and Appreciation	3
	Group 2 Emphasis/Focus Area Requirements Group 1 Core Requirements Total Hours	39 24 63			Group 2 Emphasis/Focus Area Requirements  Group 1 Core Requirements  Total Hours*  *S&T advisor permission is required to transfer more than 63 credits toward the S&T degree for the Elementary Emphasis Area.	37 22 59

	Middle School La	ang	guage	<b>Arts Emph</b>	asis 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 (1)	4
GEOS 130 or ASTR 120 or ASTR 122 or CHEM 124, 125	General Geology or Fundamentals of Astronomy (3) or Astronomy (4) or General Chemistry I and Lab	5		GEOLOGY 1110 or PHYSICS 1505 or CHEM 1310, 1319*	Physical and Environmental Geology (3) or Introductory Astronomy (3) or General Chemistry (3) and Lab* (1) Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit. "CHEM 1319 is not a degree requirement, will transfer as general elective credit.	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++) *Department will substitute for this requirement.	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
HIST 125 or HIST 151 or HIST 126 or HIST 140 or HIST 141	Western Civ: Ancient World to the Renaissance or World History: Traditional or Western Civ: Scientific Revolution to Modern Age or U.S. History to 1877 or U.S. History since 1877	3		HISTORY 1100 or HISTORY 1200 or HISTORY 1300 or HISTORY 1310	Early Western Civilization or Modern Western Civilization or American History to 1877 or American History since 1877	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 Macroeconomice	3
Literature	Literature Elective	3		Literature	Literature Elective	3
UL Literature	Upper Level Literature Elective	3		UL Literature	Upper Level Literature Elective	3
Humanities	Any philosophy, fine art, literature, foreign language	3		Humanities	Any philosophy, fine art, literature, foreign language	3
	Group 2 Emphasis/Focus Area Requirements	34			Group 2 Emphasis/Focus Area Requirements	31
	Group 1 Core Requirements	24			Group 1 Core Requirements	22
	Total Hours	58			Total Hours*  *S&T advisor permission is required to transfer more than 62 credits toward the S&T degree for Middle School English Emphasis Area.	53
Professional Requ	uirements for Teacher Education Program: Please view all pro	gram	requirement	s at https://teachereduc	cation.mst.edu/middleschool/.	

BIOL 121	Johnson County Community College				asis Area	
			Semester		Missouri S&T	
0500 400	Intro to Biology for Non-Majors	4		BIO SCI 1113, 1219	General Biology (3) and Lab (1)	4
GEOS 130	General Geology	5		GEOLOGY 1110	Physical and Environmental Geology	3
ASTR 120 or ASTR 122 or PHYS 130 or CHEM 124, 125	Fundamentals of Astronomy (3) or Astronomy (4) or College Physics I (5) or General Chemistry I and Lab (5)	3		PHYSICS 1505 or PHYSICS 1145 or CHEM 1310, 1319*	Introductory Astronomy (3) or College Physics I (4) or General Chemistry I (3) and Lab* (1) Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit.  "CHEM 1319 is not a degree requirement, will transfer as general elective credit.	3
MATH 116	Intermediate Algebra	3		MATH 1103	Fundamentals of Algebra	3
MATH 171	College Algebra	3		MATH 1140	College Algebra	3
MATH 241 and MATH 242	Calculus I and Calculus II	10		MATH 1214 and MATH 1215	Calculus I and Calculus II 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.	8
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			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
HIST 125 or HIST 151 or HIST 126 or HIST 140 or HIST 141	Western Civ: Ancient World to the Renaissance or World History: Traditional or Western Civ: Scientific Revolution to Modern Age or U.S. History to 1877 or U.S. History since 1877	3		HISTORY 1100 or HISTORY 1200 or HISTORY 1300 or HISTORY 1310	Early Western Civilization or Modern Western Civilization or American History to 1877 or American History since 1877	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 Macroeconomice	3
Humanities	Any philosophy, fine art, literature, foreign language	3		Humanities	Any philosophy, fine art, literature, foreign language	3
l	Group 2 Emphasis/Focus Area Requirements	44			Group 2 Emphasis/Focus Area Requirements	42
Ì	Group 1 Core Requirements	24			Group 1 Core Requirements	22
	Total Hours	68			Total Hours*  *S&T advisor permission is required to transfer more than 60 credits toward the S&T degree for Middle School Math Emphis Area.	64

	Middle Schoo	I S	Science Emphas	sis 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)	4
EVRN 130	Environmental Science	3	BIO SCI 1173	Intro to Environmental Sciences	3
BIOL 205	General Genetics	3	BIO SCI 2223	General Genetics	3
GEOS 130	General Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
ASTR 120 or ASTR 122 or PHYS 130 or	Fundamentals of Astronomy (3) or Astronomy (4) or College Physics I (5) or	3	PHYSICS 1505 or PHYSICS 1145	Introductory Astronomy (3) or College Physics I (4) Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit.	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
HIST 125 or HIST 151 or HIST 126 or HIST 140 or HIST 141	Western Civ: Ancient World to the Renaissance or World History: Traditional or Western Civ: Scientific Revolution to Modern Age or U.S. History to 1877 or U.S. History since 1877	3	HISTORY 1100 or HISTORY 1200 or HISTORY 1300 or HISTORY 1310	Early Western Civilization or Modern Western Civilization or American History to 1877 or American History since 1877	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 Macroeconomice	3
Humanities	Any philosophy, fine art, literature, foreign language	3	Humanities	Any philosophy, fine art, literature, foreign language	3
	Group 2 Emphasis/Focus Area Requirements Group 1 Core Requirements Total Hours	38 24 62		Group 2 Emphasis/Focus Area Requirements Group 1 Core Requirements  Total Hours*	39 22 61
	Total nouts	02		"S&T advisor permission is required to transfer more than 61 credits toward the S&T degree for Middle School Schience Emphasis Area.	υı
Professional Requ	uirements for Teacher Education Program: Please view all pro	gram	n requirements at https://teachere	ducation.mst.edu/middleschool/.	

	Johnson County Community College		Semester	Missouri S&T	
BIOL 121	Intro to Biology for Non-Majors	4	BIO SCI 1113, 12	General Biology (3) and Lab (1)	4
GEOS 130 or PHYS 130 or ASTR 120 or ASTR 122 or CHEM 124, 125	General Geology (3) or College Physics I (5) or Fundamentals of Astronomy (3) or Astronomy (4) or General Chemistry I and Lab (5)	3	GEOLOGY 1110 PHYSICS 1505 o PHYSICS 1145 o CHEM 1310, 131	General Chemistry I (3) and Lab* (1) Salisfies the 3-hour science requirement. Any additional credit hours apply to	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++)* *Department will substitute for this requirement.	3
GEOS 145	World Regional Geography	3	HISTORY 2110	World Regional Geography	3
HIST 125 or HIST 151 or HIST 126	Western Civ: Ancient World to the Renaissance or World History: Traditional or Western Civ: Scientific Revolution to Modern Age	3	HISTORY 1100 of 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 o HISTORY 1310	or 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	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 Macroeconomice	3
Humanities	Any philosophy, fine art, literature, foreign language	3	Humanities	Any philosophy, fine art, literature, foreign language	3
	Group 2 Emphasis/Focus Area Requirements Group 1 Core Requirements	32 24		Group 2 Emphasis/Focus Area Requirements Group 1 Core Requirements	2
	Total Hours	56		Total Hours*	5
				*S&T advisor permission is required to transfer more than 62 credits toward the S&T degree for Middle School Social Sciences Emphasis Area.	