

## Crowder 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.

<u>Crowder College</u>			<u>Semester</u>	<u>Missouri S&amp;T</u>		
ENGL 101	English Composition	3		ENG 1120	Exposition and Argumentation	3
ENGL 102	Advanced English Composition	3		ENG 1160	Writing and Research	3
COMM 104	Fundamentals of Speech	3		SP&MS 1185	Principles of Speech	3
PHIL 101 or PHIL 201	Intro to Western Philosophy or Logic	3		PHILOS 1105 or PHILOS 1115	Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction	3
PLSC 103	National, State, Local Government	3		POL SCI 1200	American Government	3
EDUC 125	Intro to Education	3		EDUC 1074	Education in a Diverse Society	3
EDUC 251	Teaching Profession with Field Experience	3		EDUC 1104	Teacher Field Experience I	1
EDUC 231	Educational Psychology	3		EDUC 2102 or PSYCH 2300	Educational Psychology	3
PSYC 211	Lifespan Development	3		PSYCH 3310	Developmental Psychology	3
EDUC 240	Education of Exceptional Learners	3		EDUC 2310 or PSYCH 4310	Education of the Exceptional Child or Psychology of the Exceptional Child	3
		Total Hours	30			Total Hours 28

## 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](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					
Crowder College		Semester	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 101	General Biology	5	BIO SCI 1113, 1219	General Biology (3) and Lab (1)	4
CHEM 111 or GEOL 115	General Chemistry I (5) or Intro to Geology (4)	4	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. Department will substitute CHEM 1310, 1319 or GEOLOGY 1120 for this requirement.	3
MATH 100 or MATH 135	Intermediate Algebra or Algebra for Calculus 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 105	Descriptive Astronomy	3	PHYSICS 1505	Astronomy (3) Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit.	3
GEOG 111	World Regional Geography	3	HISTORY 2110	World Regional Geography	3
HIST 106 or HIST 107 or HIST 101 or HIST 102	US History I or US History II or Western Civilization I or Western Civilization II		HISTORY 1300 or HISTORY 1310 or HISTORY 1100* or HISTORY 1200* or	American History to 1877 or American History since 1877 or Early Western Civilization or Modern Western Civilization or *Department will substitute HISTORY 1100 or 1200 for this requirement.	3
EDUC 206	Literature for Children	3	EDUC 3430 or ENGLISH 2240	Diverse Literature for Children or Children's Literature	3
Literature	Literature Elective	3	Literature	Literature Elective	3
PSYC 101	General Psychology	3	PSYCH 1101	General Psychology	3
ART 101 or MUSC 101	Art Appreciation or Music Appreciation	3	ART 1180 or MUSIC 1150	Art Appreciation or Music Understanding and Appreciation	3
Additional Degree Requirements					
It is recommended that AAS or Certificate Program students who have completed the coursework below work closely with their community college/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.					
ECD 101	Foundations and Theories in Early Childhood Education	3	EDUC 1055	Intro to Early Childhood Education	3
ECD 103	Health, Safety, and Nutrition of Young Children	3	EDUC 1221	Health, Nutrition, and Safety in Early Childhood Education	3
	Group 2 Emphasis/Focus Area Requirements	31		Group 2 Emphasis/Focus Area Requirements	33
	Group 1 Core Requirements	30		Group 1 Core Requirements	28
	Total Hours	61		Total Hours*	61
*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 <a href="https://teachereducation.mst.edu/earlychildhood/">https://teachereducation.mst.edu/earlychildhood/</a> .					

Elementary Education STEM Focus	
<p>1. <b>Science:</b> Understanding basic scientific concepts, the scientific method, and the importance of safety in the laboratory.</p> <p>2. <b>Mathematics:</b> Developing foundational math skills, including addition, subtraction, multiplication, and division, and understanding fractions and decimals.</p> <p>3. <b>Engineering:</b> Introducing students to the engineering design process, problem-solving, and the use of simple machines.</p> <p>4. <b>Technology:</b> Familiarizing students with basic computer skills, internet safety, and the use of educational software.</p>	<p>1. <b>Science:</b> Understanding basic scientific concepts, the scientific method, and the importance of safety in the laboratory.</p> <p>2. <b>Mathematics:</b> Developing foundational math skills, including addition, subtraction, multiplication, and division, and understanding fractions and decimals.</p> <p>3. <b>Engineering:</b> Introducing students to the engineering design process, problem-solving, and the use of simple machines.</p> <p>4. <b>Technology:</b> Familiarizing students with basic computer skills, internet safety, and the use of educational software.</p>

<u>Crowder College</u>			<u>Semester</u>	<u>Missouri S&amp;T</u>		
BIOL 101	General Biology	5	BIO SCI 1113, 1219	General Biology (3) and Lab (1)	4	
CHEM 111 or GEOL 115	General Chemistry I (5) or Intro to Geology (4)	4	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. Department will substitute GEOLOGY 1120 for this requirement.	3	
MATH 100 or MATH 135	Intermediate Algebra or Algebra for Calculus 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 105	Descriptive Astronomy	3	PHYSICS 1505	Astronomy (3) Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit.	3	
GEOG 111	World Regional Geography	3	HISTORY 2110	World Regional Geography	3	
HIST 101	Western Civilization I	3	HISTORY 1100	Early Western Civilization	3	
HIST 102	Western Civilization II	3	HISTORY 1200	Modern Western Civilization	3	
HIST 106 or HIST 107	US History I or US History II	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3	
ECON 202 or ECON 201	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3	
EDUC 206	Literature for Children	3	EDUC 3430 or ENGLISH 2240	Diverse Literature for Children or Children's Literature	3	
PSYC 101	General Psychology	3	PSYCH 1101	General Psychology	3	
ART 101 or MUSC 101	Art Appreciation or Music Appreciation	3	ART 1180 or MUSIC 1150	Art Appreciation or Music Understanding and Appreciation	3	
	Group 2 Emphasis/Focus Area Requirements	39		Group 2 Emphasis/Focus Area Requirements	37	
	Group 1 Core Requirements	30		Group 1 Core Requirements	28	
	Total Hours	69		Total Hours*	65	
			*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 <a href="https://teachereducation.mst.edu/elementaryeducation/">https://teachereducation.mst.edu/elementaryeducation/</a> .						

## Middle School Language Arts Emphasis Area

<u>Crowder College</u>			<u>Semester</u>	<u>Missouri S&amp;T</u>		
MATH 100 or MATH 135	Intermediate Algebra or Algebra for Calculus or higher math	3		MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra	3
BIOL 101	General Biology	5		BIO SCI 1113, 1219	General Biology (3) and Lab (1)	4
GEOL 115 or PHYS 105 or CHEM 111	Intro to Geology (4) or Descriptive Astronomy (3) or General Chemistry I (5)	3		GEOLOGY 1110 or PHYSICS 1505 or CHEM 1310	Physical and Environmental Geology (3) or Introductory Astronomy (3) or General Chemistry (4) <small>Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit.</small>	3
COMP 111	Intro to Computer Science	4		CS 1971/1981*	Intro to Programming Methodology and Lab* <small>*Department will substitute for this requirement.</small>	3
ART 101 or MUSC 101 or TA 205	Art Appreciation or Music Appreciation or Intro to Theatre	3		ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3
HIST 101 or HIST 102 or HIST 106 or HIST 107	Western Civilization I or Western Civilization II or US History I or US History II	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 202 or ECON 201	Principles of Microeconomics or Principles of Macroeconomics	3		ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	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	33			Group 2 Emphasis/Focus Area Requirements	31
	Group 1 Core Requirements	30			Group 1 Core Requirements	28
	Total Hours	63			Total Hours*	59
<small>*S&amp;T advisor permission is required to transfer more than 62 credits toward the S&amp;T degree for Middle School English Emphasis Area.</small>						
<b>Professional Requirements for Teacher Education Program: Please view all program requirements at <a href="https://teachereducation.mst.edu/middleschool/">https://teachereducation.mst.edu/middleschool/</a>.</b>						

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

## Middle School Mathematics Emphasis Area

<u>Crowder College</u>			<u>Semester</u>	<u>Missouri S&amp;T</u>		
BIOL 101	General Biology	5	BIO SCI 1113, 1219	General Biology (3) and Lab (1)	4	
GEOL 115	Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3	
PHYS 105 or CHEM 111	Descriptive Astronomy (3) or General Chemistry I (5)	3	PHYSICS 1505 or CHEM 1310, 1319*	Introductory Astronomy (3) 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. *The lab is not a degree requirement, will transfer as general elective credit.	3	
MATH 100	Intermediate Algebra	3	MATH 1103	Fundamentals of Algebra	3	
MATH 135	Algebra for Calculus	3	MATH 1140	College Algebra	3	
MATH 150, 160	Calculus Part 1 and 2	5	MATH 1214	Calculus I	4	
MATH 201	Calculus II	5	MATH 1215	Calculus II	4	
COMP 111	Intro to Computer Science	4	CS 1971/1981*	Intro to Programming Methodology and Lab* *Department will substitute for this requirement.	3	
MATH 130 or BSAD 236	Elementary Statistics or Business Statistics	3	STAT 1115	Statistics for the Social Sciences I	3	
ART 101 or MUSC 101 or TA 205	Art Appreciation or Music Appreciation or Intro to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3	
HIST 101 or HIST 102 or HIST 106 or HIST 107	Western Civilization I or Western Civilization II or US History I or US History II	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 202 or ECON 201	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	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	48		Group 2 Emphasis/Focus Area Requirements	42	
	Group 1 Core Requirements	30		Group 1 Core Requirements	28	
	Total Hours	78		Total Hours*	70	
*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 <a href="https://teachereducation.mst.edu/middleschool/">https://teachereducation.mst.edu/middleschool/</a> .						

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

## Middle School Science Emphasis Area

<u>Crowder College</u>			<u>Semester</u>	<u>Missouri S&amp;T</u>		
BIOL 101	General Biology	5		BIO SCI 1113 or BIO SCI 1213	General Biology or Principles of Biology	3
GEOL 115	Geology	5		GEOLOGY 1110	Physical and Environmental Geology	3
PHYS 105	Descriptive Astronomy	3		PHYSICS 1505	Introductory Astronomy Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit.	3
CHEM 111	General Chemistry	5		CHEM 1310, 1319	General Chemistry I and Lab	5
MATH 100 or MATH 135	Intermediate Algebra or Algebra for Calculus or higher math	3		MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra	3
MATH 130 or BSAD 236	Elementary Statistics or Business Statistics	3		STAT 1115	Statistics for the Social Sciences I	3
ART 101 or MUSC 101 or TA 205	Art Appreciation or Music Appreciation or Intro to Theatre	3		ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3
HIST 101 or HIST 102 or HIST 106 or HIST 107	Western Civilization I or Western Civilization II or US History I or US History II	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 202 or ECON 201	Principles of Microeconomics or Principles of Macroeconomics	3		ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	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	36			Group 2 Emphasis/Focus Area Requirements	32
	Group 1 Core Requirements	30			Group 1 Core Requirements	28
	Total Hours	66			Total Hours*	60

\*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 Sciences Emphasis Area

<u>Crowder College</u>			<u>Semester</u>	<u>Missouri S&amp;T</u>		
BIOL 101	General Biology	5		BIO SCI 1113, 1219	General Biology (3) and Lab (1)	4
PHYS 105 or CHEM 111 or GEOL 115	Descriptive Astronomy (3) or General Chemistry I (5) or Intro to Geology (4)	3		GEOLOGY 1110 or PHYSICS 1505 or CHEM 1310	Physical and Environmental Geology (3) or Introductory Astronomy (3) or General Chemistry (4) Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit.	3
MATH 100 or MATH 135	Intermediate Algebra or Algebra for Calculus or higher math	3		MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra	3
COMP 111	Intro to Computer Science	4		CS 1971/1981*	Intro to Programming Methodology and Lab* *Department will substitute for this requirement.	3
GEOG 111	World Regional Geography	3		HISTORY 2110	World Regional Geography	3
HIST 101 or HIST 102	Western Civilization I or Western Civilization II	3		HISTORY 1100 or HISTORY 1200	Early Western Civilization or Modern Western Civilization	3
HIST 106 or HIST 107	US History I or US History II	3		HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
ART 101 or MUSC 101 or TA 205	Art Appreciation or Music Appreciation or Intro to Theatre	3		ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3
ECON 202 or ECON 201	Principles of Microeconomics or Principles of Macroeconomics	3		ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	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	33			Group 2 Emphasis/Focus Area Requirements	31
	Group 1 Core Requirements	30			Group 1 Core Requirements	28
	Total Hours	63			Total Hours*	59

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