

Moberly Area 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.

<u>Moberly Area Community College</u>			<u>Semester</u>	<u>Missouri S&T</u>		
LAL 101	Composition I	3		ENG 1120	Exposition and Argumentation	3
LAL 102	Composition II	3		ENG 1160	Writing and Research	3
SPK 101	Public Speaking	3		SP&MS 1185	Principles of Speech	3
PHI 150 or PHI 151	Intro to Philosophy or Intro to Logic	3		PHILOS 1105 or PHILOS 1115	Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction	3
PCS 105	Intro to American Government	3		POL SCI 1200	American Government	3
EDU 220	Foundations of Education in a Diverse Society	3		EDUC 1074	Education in a Diverse Society	3
EDU 225	Teaching Profession with Field Experience	3		EDUC 1104	Teacher Field Experience I	1
EDU 245	Educational Psychology	3		EDUC 2102 or PSYCH 2300	Educational Psychology	3
PSY 205	Human Lifespan Development	3		PSYCH 3310	Developmental Psychology	3
EDU 242	Educational 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. Your campus may have additional acceptable options. Consult with your advisor or email transfer@mst.edu with questions.

Early Childhood

Moberly Area Community 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.

BIO 101 or BIO 155	Biology or General Biology for Majors I	4	BIO SCI 1113, 1219 or BIO SCI 1213*, 1219	General Biology and Lab or Principles of Biology and Lab *BIO SCI 1213 will be substituted for 1113.	4
PHY 121 or PHY 163	General Chemistry I (5) or 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
MTH 101	Precalculus Algebra or high school math	3	MATH 1140	College Algebra or higher math	3
PHY 181 or PHY 162	General Physics I (5) or General Astronomy (3)	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
GEO 101	World Geography I	3	HISTORY 2110	World Regional Geography	3
HST 105 or HST 106 or HST 101 or HST 102 or	American History to 1865 or American History from 1865 or Western Civilization I or Western Civilization II or	3	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
LAL 252	Children's Literature for the Elementary Teacher	3	EDUC 3430 or ENGLISH 2240	Diverse Literature for Children or Children's Literature	3
Literature	Literature Elective	3	Literature	Literature Elective	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
ART 101 or ART 102 or MUS 101 or MUS 102	Art Survey and Appreciation I or Art Survey and Appreciation II or Fundamentals of Music 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.

ECE 110	Foundations of Early Care and Education	3	EDUC 1055	Intro to Early Childhood Education	3
ECE 120	Nutrition, Safety, and Health	3	EDUC 1221	Health, Nutrition, and Safety in Early Childhood Education	3
ECE 270	Management of Early Childhood Programs	3	EDUC 1820	Early Childhood Program Management	3
ECE 165 and ECE 175	Assessment in Early Childhood I and Assessment in Early Childhood II	2	EDUC 2440	Observation and Assessment of Young Children	3
ECE 220	Working with Families and the Community	3	EDUC 2401	School, Family, and Community Partnerships	3
PSY 201	Child Growth and Development	3	EDUC 2211	Child Development	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 <https://teachereducation.mst.edu/earlychildhood/>.

Elementary Education STEM Focus

Moberly Area Community College			Semester	Missouri S&T		
BIO 101 or BIO 155	Biology or General Biology for Majors I	4	BIO SCI 1113, 1219 or BIO SCI 1213*, 1219	General Biology and Lab or Principles of Biology and Lab <small>*BIO SCI 1213 will be substituted for 1113.</small>	4	
BIO 160	General Biology for Majors II	4	BIO SCI 1223, 1229	Biodiversity and Lab	4	
PHY 121 or PHY 163	General Chemistry I (5) or Geology (4)	4	CHEM 1310, 1319 or GEOLOGY 1110	General Chemistry I and Lab (5) or Physical and Environmental Geology (3) <small>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.</small>	3	
MTH 101	Precalculus Algebra or highel math	3	MATH 1140	College Algebra or higher math	3	
PHY 181 or PHY 162	General Physics I (5) or General Astronomy (3)	3	PHYSICS 1145* or PHYSICS 1505	College Physics I (4) or Astronomy (3) <small>Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit.</small>	3	
GEO 101	World Geography I	3	HISTORY 2110	World Regional Geography	3	
HST 101	Western Civilization I	3	HISTORY 1100	Early Western Civilization	3	
HST 102	Western Civilization II	3	HISTORY 1200	Modern Western Civilization	3	
HST 105 or	American History to 1865 or	3	HISTORY 1300 or	American History to 1877 or	3	
HST 106	American History fromn 1865	3	HISTORY 1310	American History since 1877	3	
ECN 102 or	Microeconomics or	3	ECON 1100 or	Principles of Microeconomics or	3	
ECN 101	Macroeconomics	3	ECON 1200	Principles of Macroeconomics	3	
LAL 252	Children's Literature for the Elementary Teacher	3	EDUC 3430 or ENGLISH 2240	Diverse Literature for Children or Children's Literature	3	
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3	
ART 101 or	Art Survey and Appreciation I or	3	ART 1180 or	Art Appreciation or	3	
ART 102 or	Art Survey and Appreciation II or		MUSIC 1150	Music Understanding and Appreciation		
MUS 101 or	Fundamentals of Music or					
MUS 102	Music Appreciation					
Group 2 Emphasis/Focus Area Requirements		42	Group 2 Emphasis/Focus Area Requirements			41
Group 1 Core Requirements		30	Group 1 Core Requirements			28
Total Hours		72	Total Hours*			69
<small>*S&T advisor permission is required to transfer more than 63 credits toward the S&T degree for the Elementary Emphasis Area.</small>						
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>Moberly Area Community College</u>			<u>Semester</u>	<u>Missouri S&T</u>		
MTH 101	Precalculus Algebra or highel math	3	MATH 1140	College Algebra or higher math	3	
BIO 101 or BIO 155	Biology or General Biology for Majors I	4	BIO SCI 1113, 1219 or BIO SCI 1213*, 1219	General Biology and Lab or Principles of Biology and Lab *BIO SCI 1213 will be substituted for 1113.	4	
PHY 121 or PHY 163 or PHY 162	General Chemistry I (5) or Geology (4) or General Astronomy (3)	3	CHEM 1310, 1319* or GEOLOGY 1110 or PHYSICS 1505	General Chemistry (3) and Lab* (1) or Physical and Environmental Geology (3) or Introductory Astronomy (3) 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	
ITC 125 or ITC 243 or ITC 244 or ITC 247 or ITC 120 or ITC 220	Object Oriented Programming I or Object Oriented Programming II: Java or Object Oriented Programming II: C# or Python Programming or Programming I or Programming II	3	CS 1500 or CS 1971*	Computational Problem Solving or Intro to Programming Methodology* *Department will substitute for this requirement.	3	
ART 101 or ART 102 or MUS 101 or MUS 102 or DRM 120	Art Survey and Appreciation I or Art Survey and Appreciation II or Fundamentals of Music or Music Appreciation or Theatre Appreciation	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3	
HST 101 or HST 102 or HST 105 or HST 106	Western Civilization I or Western Civilization II or American History to 1865 or American History fromn 1865	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	
ECN 102 or ECN 101	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomeice	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	31		Group 2 Emphasis/Focus Area Requirements	31	
	Group 1 Core Requirements	30		Group 1 Core Requirements	28	
Total Hours		61			Total Hours*	
					59	
*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>Moberly Area Community College</u>			<u>Semester</u>	<u>Missouri S&T</u>		
BIO 101 or BIO 155	Biology or General Biology for Majors I	4	BIO SCI 1113, 1219 or BIO SCI 1213*, 1219	General Biology and Lab or Principles of Biology and Lab *BIO SCI 1213 will be substituted for 1113.	4	
PHY 163 or	Geology	4	GEOLOGY 1110	Physical and Environmental Geology	3	
PHY 162 or PHY 181 or PHY 121	General Astronomy (3) or General Physics I (5) or General Chemistry I (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	
MTH 101	Precalculus Algebra	3	MATH 1140	College Algebra	3	
MTH 201	Analytic Geometry and Calculus I	5	MATH 1214	Calculus I	4	
MTH 202	Analytic Geometry and Calculus II	5	MATH 1215	Calculus II	4	
ITC 125 or ITC 243 or ITC 244 or ITC 247 or ITC 120 or ITC 220	Object Oriented Programming I or Object Oriented Programming II: Java or Object Oriented Programming II: C# or Python Programming or Programming I or Programming II	3	CS 1500 or CS 1971*	Computational Problem Solving or Intro to Programming Methodology* *Department will substitute for this requirement.	3	
MATH 160	Elementary Statistics	3	STAT 1115	Statistics for the Social Sciences I	3	
ART 101 or ART 102 or MUS 101 or MUS 102 or DRM 120	Art Survey and Appreciation I or Art Survey and Appreciation II or Fundamentals of Music or Music Appreciation or Theatre Appreciation	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3	
HST 101 or HST 102 or HST 105 or HST 106	Western Civilization I or Western Civilization II or American History to 1865 or American History fromn 1865	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	
ECN 102 or ECN 101	Microeconomics or 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	42		Group 2 Emphasis/Focus Area Requirements	39	
	Group 1 Core Requirements	30		Group 1 Core Requirements	28	
	Total Hours	72		Total Hours*	67	
*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>Moberly Area Community College</u>			<u>Semester</u>	<u>Missouri S&T</u>	
BIO 101 or BIO 155	Biology or General Biology for Majors I	4	BIO SCI 1113, 1219 or BIO SCI 1213*, 1219	General Biology and Lab or Principles of Biology and Lab <small>*BIO SCI 1213 will be substituted for 1113.</small>	1
PHY 163	Geology	4	GEOLOGY 1110	Physical and Environmental Geology	3
PHY 181 or PHY 162	General Physics I (5) or General Astronomy (3)	3	PHYSICS 1145 or PHYSICS 1505	College Physics I (4) or Introductory Astronomy (3) <small>Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit.</small>	3
PHY 121	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
MTH 101	Precalculus Algebra or higher math	3	MATH 1140	College Algebra or higher math	3
MTH 160	Elementary Statistics	3	STAT 1115	Statistics for the Social Sciences I	3
ART 101 or ART 102 or MUS 101 or MUS 102 or DRM 120	Art Survey and Appreciation I or Art Survey and Appreciation II or Fundamentals of Music or Music Appreciation or Theatre Appreciation	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3
HST 101 or HST 102 or HST 105 or HST 106	Western Civilization I or Western Civilization II or American History to 1865 or American History from 1865	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
ECN 102 or ECN 101	Microeconomics or 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	34		Group 2 Emphasis/Focus Area Requirements	30
	Group 1 Core Requirements	30		Group 1 Core Requirements	28
	Total Hours	64		Total Hours*	58
<small>*S&T advisor permission is required to transfer more than 61 credits toward the S&T degree for Middle School Science Emphasis Area.</small>					
Professional Requirements for Teacher Education Program: Please view all program requirements at https://teachereducation.mst.edu/middleschool/.					

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

Middle School Social Sciences Emphasis Area

<u>Moberly Area Community College</u>			<u>Semester</u>	<u>Missouri S&T</u>		
BIO 101 or BIO 155	Biology or General Biology for Majors I	4	BIO SCI 1113, 1219 or BIO SCI 1213*, 1219	General Biology and Lab or Principles of Biology and Lab <small>*BIO SCI 1213 will be substituted for 1113.</small>	4	
PHY 121 or PHY 181 or PHY 163 or PHY 162 or PHY 121	Geology (4) or General Astronomy (3) or General Physics I (5) or General Chemistry I (5)	3	GEOLOGY 1110 or PHYSICS 1505 or PHYSICS 1145 or CHEM 1310, 1319*	Physical and Environmental Geology (3) or Introductory Astronomy (3) or College Physics I (4) or General Chemistry (3) and Lab* (1) <small>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.</small>	3	
MTH 101	Precalculus Algebra or higher math	3	MATH 1140	College Algebra or higher math	3	
ITC 125 or ITC 243 or ITC 244 or ITC 247 or ITC 120 or ITC 220	Object Oriented Programming I or Object Oriented Programming II: Java or Object Oriented Programming II: C# or Python Programming or Programming I or Programming II	3	CS 1500 or CS 1971*	Computational Problem Solving or Intro to Programming Methodology* <small>*Department will substitute for this requirement.</small>	3	
GEO 101	World Geography I	3	HISTORY 2110	World Regional Geography	3	
HST 101 or HST 102	Western Civilization I or Western Civilization II	3	HISTORY 1100 or HISTORY 1200	Early Western Civilization or Modern Western Civilization	3	
HST 105 or HST 106	American History to 1865 or American History from 1865	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3	
ART 101 or ART 102 or MUS 101 or MUS 102 or DRM 120	Art Survey and Appreciation I or Art Survey and Appreciation II or Fundamentals of Music or Music Appreciation or Theatre Appreciation	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3	
ECN 102 or ECN 101	Microeconomics or 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	31		Group 2 Emphasis/Focus Area Requirements	31	
	Group 1 Core Requirements	30		Group 1 Core Requirements	28	
	Total Hours	61		Total Hours*	59	
<small>*S&T advisor permission is required to transfer more than 62 credits toward the S&T degree for Middle School Social Sciences Emphasis Area.</small>						