

State Fair 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>State Fair Community College</u>			<u>Semester</u>	<u>Missouri S&T</u>		
ENGL 101	English Composition I	3		ENG 1120	Exposition and Argumentation	3
ENGL 102	English Composition II	3		ENG 1160	Writing and Research	3
COM 101	Public Speaking	3		SP&MS 1185	Principles of Speech	3
PHIL 101	Introduction to Philosophy	3		PHIL1105	Intro to Philosophy	3
POLS 101	American/National Government	3		POL SCI 1200	American Government	3
EDUC 209	Foundations of Education	3		EDUC 1074	Education in a Diverse Society	3
EDUC 205	Teaching Profession with Field Experience	3		EDUC 1104	Teacher Field Experience I	1
EDUC 220	Educational Psychology	3		EDUC 2102 or PSYCH 2300	Educational Psychology	3
PSY 210	Lifespan Development	3		PSYCH 3310	Developmental Psychology	3
EDUC 228	Education of Exceptional Learners Pre K-12	3		EDUC 2310 or PSYCH 4310	Education of the Exceptional Child or Psychology of the Exceptional Child	3
Total Hours			30	Total Hours		

**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

State Fair 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 112 or BIO 125	Principles of Biology with Lab or General Biology (4) MOTR BIOL 150L	5	BIO SCI 1113, 1219 or BIO SCI 1213,* 1219	General Biology and Lab or Principles of Biology* and Lab MOTR BIOL 150L <small>*BIO SCI 1213 will be substituted for 1113.</small>	4
CHEM 123 or EASC 106	General Chemistry I with Lab or Physical Geology with Lab	5	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 CHEM 1310, 1319 or GEOLOGY 1120 for this requirement.</small>	3
MATH 112 or MATH 114	Intermediate Algebra or Precalculus Algebra or higher math	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra or higher math	3
PHYS 105 or EASC 120	College Physics I with Lab (5) or Intro to 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
GEOG 101	World Regional Geography	3	HISTORY 2110	World Regional Geography	3
HIST 101 or HIST 102 or HIST 108 or HIST 109	US History Before 1877 or US History Since 1877 or World Civilization Before 1500 or World Civilization After 1500	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 <small>*Department will substitute HISTORY 1100 or 1200 for this requirement.</small>	3
EDUC 218	Children's Literature	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 MUS 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	Intro to Early Childhood	3	EDUC 1055	Intro to Early Childhood Education	3
ECD 107	Child Nutrition, Health, and Safety	3	EDUC 1221	Health, Nutrition, and Safety in Early Childhood Education	3
ECD 129	Administration in Early Childhood Care	3	EDUC 1820	Early Childhood Program Management	3
ECD 109	Observation, Planning, and Assessment	3	EDUC 2440	Observation and Assessment of Young Children	3
ECD 127	Parent/Teacher Interaction	3	EDUC 2401	School, Family, and Community Partnerships	3
ECD 103	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

<u>State Fair Community College</u>			<u>Semester</u>	<u>Missouri S&T</u>	
BIO 112 or BIO 125	Principles of Biology with Lab or General Biology (4) MOTR BIOL 150L	5	BIO SCI 1113, 1219 or BIO SCI 1213,* 1219	General Biology and Lab or Principles of Biology* and Lab MOTR BIOL 150L *BIO SCI 1213 will be substituted for 1113.	4
CHEM 123 or EASC 106	General Chemistry I with Lab or Physical Geology with Lab	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. Department will substitute CHEM 1310, 1319 or GEOLOGY 1120 for this requirement.	3
MATH 112 or MATH 114	Intermediate Algebra or Precalculus Algebra or higher math	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra or higher math	3
PHYS 105 or EASC 120	College Physics I with Lab (5) or Intro to 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
GEOG 101	World Regional Geography	3	HISTORY 2110	World Regional Geography	3
HIST 108	World Civilization Before 1500	3	HISTORY 1100	Early Western Civilization	3
HIST 109	World Civilization After 1500	3	HISTORY 1200	Modern Western Civilization	3
HIST 101 or HIST 102	US History Before 1877 or US History Since 1877	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
ECON 102 or ECON 101	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
EDUC 218	Children's Literature	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 MUS 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	40		Group 2 Emphasis/Focus Area Requirements	37
	Group 1 Core Requirements	30		Group 1 Core Requirements	28
	Total Hours	70		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 https://teachereducation.mst.edu/elementaryeducation/ .					

Middle School Language Arts Emphasis Area

State Fair Community College			Semester	Missouri S&T		
MATH 112 or MATH 114	Intermediate Algebra or Precalculus Algebra or higher math	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra or higher math	3	
BIO 112 or BIO 125	Principles of Biology with Lab or General Biology (4) MOTR BIOL 150L	5	BIO SCI 1113, 1219 or BIO SCI 1213,* 1219	General Biology and Lab or Principles of Biology* and Lab MOTR BIOL 150L *BIO SCI 1213 will be substituted for 1113.	4	
EASC 106 or EASC 120 or CHEM 123	Physical Geology with Lab (5) or Intro to Astronomy (3) or General Chemistry I with Lab (5)	3	GEOLOGY 1110 or GEOLOGY 1120 or PHYSICS 1505 or CHEM 1310	Physical and Environmental Geology (3) or Evolution of the Earth (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	
CIS 120 or CIS 155 or	Programming in Python or Programming in C#	3	CS 1500	Computational Problem Solving	3	
ART 101 or MUS 101 or THEA 107	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 108 or HIST 109 or HIST 101 or HIST 102	World Civilization Before 1500 or World Civilization After 1500 or US History Before 1877 or US 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 102 or ECON 101	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	32		Group 2 Emphasis/Focus Area Requirements	31	
	Group 1 Core Requirements	30		Group 1 Core Requirements	28	
	Total Hours	62		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/ .						

*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

State Fair Community College			Semester	Missouri S&T	
BIO 112 or BIO 125	Principles of Biology with Lab or General Biology (4) MOTR BIOL 150L	5	BIO SCI 1113, 1219 or BIO SCI 1213,* 1219	General Biology and Lab or Principles of Biology* and Lab MOTR BIOL 150L <small>*BIO SCI 1213 will be substituted for 1113.</small>	4
EASC 106	Physical Geology with Lab	5	GEOLOGY 1110	Physical and Environmental Geology (3)	3
PHYS 105 or EASC 120 or CHEM 123	College Physics I with Lab (5) or Intro to Astronomy (3) or General Chemistry I with Lab (5)	3	PHYSICS 1145 or PHYSICS 1505 or CHEM 1310, 1319	College Physics I (5) or Astronomy (3) or General Chemistry I and Lab (5) <small>Satisfies the 3-hour science requirement. Any additional credit hours apply to degree totals as general elective credit.</small>	3
MATH 112	Intermediate Algebra	3	MATH 1103	Fundamentals of Algebra	3
MATH 114	Precalculus Algebra	3	MATH 1140	College Algebra	3
MATH 130	Calculus and Analytic Geometry I	5	MATH 1208 or MATH 1214	Calculus with Analytic Geometry I (5) or Calculus I (4)	4
MATH 131	Calculus and Analytic Geometry II	5	MATH 1215	Calculus II	4
CIS 120 or CIS 155 or MATH 119 or MATH 127	Programming in Python or Programming in C# Statistical Reasoning or Business Statistics	3	CS 1500	Computational Problem Solving	3
ART 101 or MUS 101 or THEA 107	Art Appreciation or Music Appreciation or Intro to Theatre	3	STAT 1115	Statistics for the Social Sciences I	3
HIST 108 or HIST 109 or HIST 101 or HIST 102	World Civilization Before 1500 or World Civilization After 1500 or US History Before 1877 or US History Since 1877	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3
ECON 102 or ECON 101	Principles of Microeconomics or Principles of Macroeconomics	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
Humanities	Any philosophy, fine art, literature, foreign language	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
	Group 2 Emphasis/Focus Area Requirements	47	Humanities	Any philosophy, fine art, literature, foreign language	3
	Group 1 Core Requirements	30		Group 2 Emphasis/Focus Area Requirements	42
	Total Hours	77		Group 1 Core Requirements	28
				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 <https://teachereducation.mst.edu/middleschool/>.

Middle School Science Emphasis Area

State Fair Community College			Semester	Missouri S&T		
BIO 112 or BIO 125	Principles of Biology with Lab or General Biology (4) MOTR BIOL 150L	5	BIO SCI 1113, 1219 or BIO SCI 1213,* 1219	General Biology and Lab or Principles of Biology* and Lab MOTR BIOL 150L <small>*BIO SCI 1213 will be substituted for 1113.</small>	1	
BIO 210	Principles of Genetics with Lab	4	BIO SCI 2223	General Genetics	3	
EASC 106	Physical Geology with Lab	5	GEOLOGY 1110	Physical and Environmental Geology	3	
PHYS 105 or EASC 120	College Physics I with Lab (5) or Intro to 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	
CHEM 123	General Chemistry I with Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5	
MATH 112 or MATH 114	Intermediate Algebra or Precalculus Algebra or higher math	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra or higher math	3	
MATH 119 or MATH 127	Statistical Reasoning or Business Statistics	3	STAT 1115	Statistics for the Social Sciences I	3	
ART 101 or MUS 101 or THEA 107	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 108 or HIST 109 or HIST 101 or HIST 102	World Civilization Before 1500 or World Civilization After 1500 or US History Before 1877 or US 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 102 or ECON 101	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	40		Group 2 Emphasis/Focus Area Requirements	33	
	Group 1 Core Requirements	30		Group 1 Core Requirements	28	
	Total Hours	70		Total Hours*	61	

*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

State Fair Community College			Semester	Missouri S&T		
BIO 112 or BIO 125	Principles of Biology with Lab or General Biology (4) MOTR BIOL 150L	5	BIO SCI 1113, 1219 or BIO SCI 1213,* 1219	General Biology and Lab or Principles of Biology* and Lab MOTR BIOL 150L <small>*BIO SCI 1213 will be substituted for 1113.</small>	1	
PHYS 105 or EASC 120 or CHEM 123 or EASC 106	College Physics I with Lab (5) or Intro to Astronomy (3) or General Chemistry I with Lab (5) or Physical Geology with Lab (5)	3	PHYSICS 1145 or PHYSICS 1505 or CHEM 1310, 1319 or GEOLOGY 1110	College Physics I (5) or Astronomy (3) or 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.</small>	3	
MATH 112 or MATH 114	Intermediate Algebra or Precalculus Algebra or higher math	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra or higher math	3	
CIS 120 or CIS 155 or	Programming in Python or Programming in C#	3	CS 1500	Computational Problem Solving	3	
GEOG 101	World Regional Geography	3	HISTORY 2110	World Regional Geography	3	
HIST 108 or HIST 109	World Civilization Before 1500 or World Civilization After 1500	3	HISTORY 1100 or HISTORY 1200	Early Western Civilization or Modern Western Civilization	3	
HIST 101 or HIST 102	US History Before 1877 or US History Since 1877	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3	
ART 101 or MUS 101 or THEA 107	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 102 or ECON 101	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	32		Group 2 Emphasis/Focus Area Requirements	28	
	Group 1 Core Requirements	30		Group 1 Core Requirements	28	
	Total Hours	62		Total Hours*	56	

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