

State Fair Community College — Missouri S&T

Education BS

Transfer Guide Effective as of Fall 2026

Complete Group 1 - Core Requirements and Group 2 - Major Requirements for major of choice.

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

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.

State Fair Community College			Semester	Missouri S&T		
ENGL 101	English Composition I	3		ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or COM 101 or ENGL 110	English Composition II or Public Speaking or Communication for Business and Industry	3		ENGLISH 1160 or SPMS 1185 or ENGLISH 1600	Writing and Research or Principles of Speech or Intro to Technical Communication	3
PHIL 101	Introduction to Philosophy	3		PHIL1105	Intro to Philosophy	3
POLS 101 or HIST 109	American/National Government or World Civilization After 1500	3		POL SCI 1200 or HISTORY 1200	American Government or Modern Western Civilization	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	27		
					Total Hours	25

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
Secondary Teaching Art Emphasis
Secondary Teaching Computer Science Emphasis
Secondary Teaching General Science Emphasis
Secondary Teaching Spanish Emphasis

Emphasis Area Requirements are detailed on the following pages.

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* or CHEM 123* or PHYS 105* or PHYS 118* or EASC 120 or EASC 106	Principles of Biology with Lab* or General Biology* (4) MOTR BIOL 150L or General Chemistry I with Lab* (5) or College Physics I with Lab* (5) or General Physics I with Lab* (5) or Intro to Astronomy (3) or Physical Geology with Lab (4) or higher science lecture *Lab satisfies science lab requirement below.	6	Select 6 hours from at least 2 disciplines.	BIO SCI 1113, 1219* or BIO SCI 1213, 1219* CHEM 1310, 1319* or PHYSICS 1145* or PHYSICS 1135* or PHYSICS 1505, 1509* or GEOLOGY 1110	General Biology (3) and Lab* (1) or Principles of Biology (3) and Lab* (1) MOTR BIOL 150L General Chemistry I (4) and Lab* (1) or College Physics I* (4) or Engineering Physics*(4) or Introductory Astronomy (3) and Lab* (1) or Physical and Environmental Geology (3) or higher science lecture *Lab satisfies science lab requirement below.	6	
Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1		Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1	
MATH 113 or MATH 114 or MATH 119 or MATH 127	Mathematical Reasoning and Modeling or Precalculus Algebra or Statistical Reasoning or Business Statistics or higher math or statistics	3		MATH 1110 or MATH 1140 or STAT 1115	Mathematical Reasoning and Modeling or College Algebra or Statistics for the Social Sciences I or higher math or statistics	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 *Department will substitute HISTORY 1100 or 1200 for this requirement.	3	
EDUC 218	Children's Literature	3		EDUC 3430	Diverse Literature for Children	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 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	34		Group 2 Emphasis/Focus Area Requirements	36		
	Group 1 Core Requirements	27		Group 1 Core Requirements	25		
	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 program requirements at https://teachereducation.mst.edu/secondaryeducation/ .							

Elementary Education Focus

State Fair Community College		Semester	Missouri S&T	
BIO 112* or BIO 125* or CHEM 123* or PHYS 105* or PHYS 118* or EASC 120 or EASC 106	Principles of Biology with Lab* or General Biology* (4) MOTR BIOL 150L or General Chemistry I with Lab* (5) or College Physics I with Lab* (5) or General Physics I with Lab* (5) or Intro to Astronomy (3) or Physical Geology with Lab (4) or higher science lecture *Lab satisfies science lab requirement below.	6	BIO SCI 1113, 1219* or BIO SCI 1213, 1219* CHEM 1310, 1319* or PHYSICS 1145* or PHYSICS 1135* or PHYSICS 1505, 1509* or GEOLOGY 1110	General Biology (3) and Lab* (1) or Principles of Biology (3) and Lab* (1) MOTR BIOL 150L General Chemistry I (4) and Lab* (1) or College Physics I* (4) or Engineering Physics*(4) or Introductory Astronomy (3) and Lab* (1) or Physical and Environmental Geology (3) or higher science lecture *Lab satisfies science lab requirement below.
Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1	Science Lab	One lab course from any physical or biological science if not taken with lecture course above.
MATH 113 or MATH 114 or MATH 119 or MATH 127	Mathematical Reasoning and Modeling or Precalculus Algebra or Statistical Reasoning or Business Statistics or higher math or statistics	3	MATH 1110 or MATH 1140 or STAT 1115	Mathematical Reasoning and Modeling or College Algebra or Statistics for the Social Sciences I or higher math or statistics
GEOG 101	World Regional Geography	3	HISTORY 2110	World Regional Geography
HIST 108	World Civilization Before 1500	3	HISTORY 1100	Early Western Civilization
HIST 109	World Civilization After 1500	3	HISTORY 1200	Modern Western Civilization
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
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
EDUC 218	Children's Literature	3	EDUC 3430	Diverse Literature for Children
PSY 101	General Psychology	3	PSYCH 1101	General Psychology
ART 101 or MUS 101	Art Appreciation or Music Appreciation	3	ART 1180 or MUSIC 1150	Art Appreciation or Music Appreciation
	Group 2 Emphasis/Focus Area Requirements	34		Group 2 Emphasis/Focus Area Requirements
	Group 1 Core Requirements	27		Group 1 Core Requirements
	Total Hours	61		Total Hours*
				59

*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 program requirements at <https://teachereducation.mst.edu/secondaryeducation/>.

Middle School Language Arts Emphasis

State Fair Community College			Semester	Missouri S&T		
MATH 113 or MATH 114 or MATH 119 or MATH 127	Mathematical Reasoning and Modeling or Precalculus Algebra or Statistical Reasoning or Business Statistics or higher math or statistics	3	Select 6 hours from at least 2 disciplines.	MATH 1110 or MATH 1140 or STAT 1115	Mathematical Reasoning and Modeling or College Algebra or Statistics for the Social Sciences I or higher math or statistics	3
BIO 112* or BIO 125* or CHEM 123* or PHYS 105* or PHYS 118* or EASC 120 or EASC 106	Principles of Biology with Lab* or General Biology* (4) MOTR BIOL 150L or General Chemistry I with Lab* (5) or College Physics I with Lab* (5) or General Physics I with Lab* (5) or Intro to Astronomy (3) or Physical Geology with Lab (4) or higher science lecture *Lab satisfies science lab requirement below.	6		BIO SCI 1113, 1219* or BIO SCI 1213, 1219* CHEM 1310, 1319* or PHYSICS 1145* or PHYSICS 1135* or PHYSICS 1505, 1509* or GEOLOGY 1110	General Biology (3) and Lab* (1) or Principles of Biology (3) and Lab* (1) MOTR BIOL 150L General Chemistry I (4) and Lab* (1) or College Physics I* (4) or Engineering Physics*(4) or Introductory Astronomy (3) and Lab* (1) or Physical and Environmental Geology (3) or higher science lecture *Lab satisfies science lab requirement below.	6
Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1		Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1
CIS 155	Programming in C#	3		COMP SCI 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 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 Any literature with prerequisite of no more than English Composition I.	3		Literature	Literature Elective Any literature with prerequisite of no more than ENGLISH 1120.	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	27		Group 1 Core Requirements	25	
	Total Hours	58		Total Hours*	56	
*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/secondaryeducation/ .						

Middle School Mathematics Emphasis

State Fair Community College			Semester	Missouri S&T		
MATH 119 or MATH 127	Statistical Reasoning or Business Statistics	3	Select 6 hours from at least 2 disciplines.	STAT 1115	Statistics for the Social Sciences I	3
BIO 112* or BIO 125* or CHEM 123* or PHYS 105* or PHYS 118* or EASC 120 or EASC 106	Principles of Biology with Lab* or General Biology* (4) MOTR BIOL 150L or General Chemistry I with Lab* (5) or College Physics I with Lab* (5) or General Physics I with Lab* (5) or Intro to Astronomy (3) or Physical Geology with Lab (4) or higher science lecture *Lab satisfies science lab requirement below.	6		BIO SCI 1113, 1219* or BIO SCI 1213, 1219* CHEM 1310, 1319* or PHYSICS 1145* or PHYSICS 1135* or PHYSICS 1505, 1509* or GEOLOGY 1110	General Biology (3) and Lab* (1) or Principles of Biology (3) and Lab* (1) MOTR BIOL 150L General Chemistry I (4) and Lab* (1) or College Physics I* (4) or Engineering Physics*(4) or Introductory Astronomy (3) and Lab* (1) or Physical and Environmental Geology (3) or higher science lecture *Lab satisfies science lab requirement below.	6
Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1		Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1
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 1214	Calculus I (4)	4
MATH 131	Calculus and Analytic Geometry II	5		MATH 1215	Calculus II	4
CIS 155	Programming in C#	3		COMP SCI 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 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	38		Group 2 Emphasis/Focus Area Requirements	36	
	Group 1 Core Requirements	27		Group 1 Core Requirements	25	
	Total Hours	65		Total Hours*	61	
*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/secondaryeducation/ .						

Middle School Science Emphasis

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 *BIO SCI 1213 will be substituted for 1113.	4
BIO 210	Principles of Genetics with Lab	4	BIO SCI 2223	General Genetics	3
EASC 106	Intro to Geology with Lab	4	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 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 123	General Chemistry I with Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5
MATH 113 or MATH 114 or MATH 119 or MATH 127	Mathematical Reasoning and Modeling or Precalculus Algebra or Statistical Reasoning or Business Statistics or higher math or statistics	3	MATH 1110 or MATH 1140 or STAT 1115	Mathematical Reasoning and Modeling or College Algebra or Statistics for the Social Sciences I or higher math or statistics	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 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	39		Group 2 Emphasis/Focus Area Requirements	36
	Group 1 Core Requirements	27		Group 1 Core Requirements	25
	Total Hours	66		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/secondaryeducation/ .					

Middle School Social Sciences Emphasis

<u>State Fair Community College</u>		<u>Semester</u>	<u>Missouri S&T</u>	
MATH 113 or MATH 114 or MATH 119 or MATH 127	Mathematical Reasoning and Modeling or Precalculus Algebra or Statistical Reasoning or Business Statistics or higher math or statistics	3	MATH 1110 or MATH 1140 or STAT 1115	Mathematical Reasoning and Modeling or College Algebra or Statistics for the Social Sciences I or higher math or statistics
BIO 112* or BIO 125* or CHEM 123* or PHYS 105* or PHYS 118* or EASC 120 or EASC 106	Principles of Biology with Lab* or General Biology* (4) MOTR BIOL 150L or General Chemistry I with Lab* (5) or College Physics I with Lab* (5) or General Physics I with Lab* (5) or Intro to Astronomy (3) or Physical Geology with Lab (4) or higher science lecture *Lab satisfies science lab requirement below.	6	BIO SCI 1113, 1219* or BIO SCI 1213, 1219* CHEM 1310, 1319* or PHYSICS 1145* or PHYSICS 1135* or PHYSICS 1505, 1509* or GEOLOGY 1110	General Biology (3) and Lab* (1) or Principles of Biology (3) and Lab* (1) MOTR BIOL 150L General Chemistry I (4) and Lab* (1) or College Physics I* (4) or Engineering Physics* (4) or Introductory Astronomy (3) and Lab* (1) or Physical and Environmental Geology (3) or higher science lecture *Lab satisfies science lab requirement below.
Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1	Science Lab	One lab course from any physical or biological science if not taken with lecture course above.
CIS 155	Programming in C#	3	COMP SCI 1500	Computational Problem Solving
GEOG 101	World Regional Geography	3	HISTORY 2110	World Regional Geography
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
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
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 Appreciation or Theatre via Video
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
Humanities	Any philosophy, fine art, literature, foreign language	3	Humanities	Any philosophy, fine art, literature, foreign language
	Group 2 Emphasis/Focus Area Requirements	28		Group 2 Emphasis/Focus Area Requirements
	Group 1 Core Requirements	27		Group 1 Core Requirements
	Total Hours	55		Total Hours*
				53
*S&T advisor permission is required to transfer more than 62 credits toward the S&T degree for Middle School Social Sciences Emphasis Area.				
Professional Requirements for Teacher Education Program: Please view all program requirements at https://teachereducation.mst.edu/secondaryeducation/ .				

Secondary Teaching Art Emphasis

State Fair Community College			Semester	Missouri S&T		
ART 112	Drawing I	3	Select 6 hours from at least 2 disciplines.	ART 1120	Drawing I	3
ART 116	Painting I	3		ART 1140	Painting I	3
ART 122	Sculpture I	3		ART 1164	Sculpture	3
ART 101	Art Appreciation	3		ART 1180	Art Appreciation	3
BIO 112* or BIO 125* or CHEM 123* or PHYS 105* or PHYS 118* or EASC 120 or EASC 106	Principles of Biology with Lab* or General Biology* (4) MOTR BIOL 150L or General Chemistry I with Lab* (5) or College Physics I with Lab* (5) or General Physics I with Lab* (5) or Intro to Astronomy (3) or Physical Geology with Lab (4) or higher science lecture *Lab satisfies science lab requirement below.	6		BIO SCI 1113, 1219* or BIO SCI 1213, 1219* CHEM 1310, 1319* or PHYSICS 1145* or PHYSICS 1135* or PHYSICS 1505, 1509* or GEOLOGY 1110	General Biology (3) and Lab* (1) or Principles of Biology (3) and Lab* (1) MOTR BIOL 150L General Chemistry I (4) and Lab* (1) or College Physics I* (4) or Engineering Physics*(4) or Introductory Astronomy (3) and Lab* (1) or Physical and Environmental Geology (3) or higher science lecture *Lab satisfies science lab requirement below.	6
Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1		Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1
MATH 113 or MATH 114 or MATH 119 or MATH 127	Mathematical Reasoning and Modeling or Precalculus Algebra or Statistical Reasoning or Business Statistics or higher math or statistics	3		MATH 1110 or MATH 1140 or STAT 1115	Mathematical Reasoning and Modeling or College Algebra or Statistics for the Social Sciences I or higher math or statistics	3
LIT 109 or LIT 107 or LIT 112 or HIST 101* or HIST 102* or MUS 101 or THEA 107 or Literature	British Literature or American Literature or World Literature or US History Before 1877* or US History Since 1877* or Music Appreciation or Intro to Theatre or Any literature with prerequisite of no more than English Composition I. *Satisfies the State of Missouri government requirement.	3		ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or MUSIC 1150 or THEATRE 1190 or Literature	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Music Understanding and Appreciation or Theatre via Video or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	3
HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3		HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
Group 2 Emphasis/Focus Area Requirements		16		Group 2 Emphasis/Focus Area Requirements		16
Group 1 Core Requirements		27	Group 1 Core Requirements		25	
Total Hours		43	Total Hours*		41	
*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/secondaryeducation/ .						

Secondary Teaching Computer Science Emphasis

	<u>State Fair Community College</u>	<u>Semester</u>	<u>Missouri S&T</u>		
BADM 103	Legan Environment of Business	3	BUS 2910	Business Law	3
BIO 112* or BIO 125* or CHEM 123* or PHYS 105* or PHYS 118* or EASC 120 or EASC 106	Principles of Biology with Lab* or General Biology* (4) MOTR BIOL 150L or General Chemistry I with Lab* (5) or College Physics I with Lab* (5) or General Physics I with Lab* (5) or Intro to Astronomy (3) or Physical Geology with Lab (4) or higher science lecture *Lab satisfies science lab requirement below.	6	BIO SCI 1113, 1219* or BIO SCI 1213, 1219* CHEM 1310, 1319* or PHYSICS 1145* or PHYSICS 1135* or PHYSICS 1505, 1509* or GEOLOGY 1110	General Biology (3) and Lab* (1) or Principles of Biology (3) and Lab* (1) MOTR BIOL 150L General Chemistry I (4) and Lab* (1) or College Physics I* (4) or Engineering Physics*(4) or Introductory Astronomy (3) and Lab* (1) or Physical and Environmental Geology (3) or higher science lecture *Lab satisfies science lab requirement below.	6
Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1	Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1
LIT 109 or LIT 107 or LIT 112 or HIST 101* or HIST 102* or ART 101 or MUS 101 or THEA 107 or Literature	British Literature or American Literature or World Literature or US History Before 1877* or US History Since 1877* or Art Appreciation or Music Appreciation or Intro to Theatre or Any literature with prerequisite of no more than English Composition I. *Satisfies the State of Missouri government requirement.	6	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1190 or Literature	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre via Video or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
MATH 113 or MATH 114 or MATH 119 or MATH 127	Mathematical Reasoning and Modeling or Precalculus Algebra or Statistical Reasoning or Business Statistics or higher math or statistics	3	MATH 1110 or MATH 1140 or STAT 1115	Mathematical Reasoning and Modeling or College Algebra or Statistics for the Social Sciences I or higher math or statistics	3
HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3	HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
	Group 2 Emphasis/Focus Area Requirements	22		Group 2 Emphasis/Focus Area Requirements	22
	Group 1 Core Requirements	27		Group 1 Core Requirements	25
	Total Hours	49		Total Hours*	47
				*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/secondaryeducation/ .					

Secondary Teaching General Science Emphasis

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 *BIO SCI 1213 will be substituted for 1113.	4
BIO 210	Principles of Genetics with Lab	4	BIO SCI 2223	General Genetics	3
CHEM 123	General Chemistry I with Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5
EASC 106	Intro to Geology with Lab	4	GEOLOGY 1110	Physical and Environmental Geology	3
EASC 120	Intro to Astronomy (3)	3	PHYSICS 1505	Introductory Astronomy	3
PHYS 105	College Physics I with Lab	5	PHYSICS 1145	College Physics I	4
MATH 113 or MATH 114 or MATH 119 or MATH 127	Mathematical Reasoning and Modeling or Precalculus Algebra or Statistical Reasoning or Business Statistics or higher math or statistics	3	MATH 1110 or MATH 1140 or STAT 1115	Mathematical Reasoning and Modeling or College Algebra or Statistics for the Social Sciences I or higher math or statistics	3
LIT 109 or LIT 107 or LIT 112 or HIST 101* or HIST 102* or ART 101 or MUS 101 or THEA 107 or Literature	British Literature or American Literature or World Literature or US History Before 1877* or US History Since 1877* or Art Appreciation or Music Appreciation or Intro to Theatre or Any literature with prerequisite of no more than English Composition I. *Satisfies the State of Missouri government requirement.	6	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1190 or Literature	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre via Video or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
Group 2 Emphasis/Focus Area Requirements		35	Group 2 Emphasis/Focus Area Requirements		31
Group 1 Core Requirements		27	Group 1 Core Requirements		25
Total Hours		62	Total Hours*		56
*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/secondaryeducation/ .					

Secondary Teaching Spanish Emphasis

State Fair Community College			Semester	Missouri S&T		
SPAN 101	Elementary Spanish I	3	Select 6 hours from at least 2 disciplines.	SPANISH 1101	Elementary Spanish I	3
SPAN 102	Elementary Spanish II	3		SPANISH 1102	Elementary Spanish II	3
MATH 113 or MATH 114 or MATH 119 or MATH 127	Mathematical Reasoning and Modeling or Precalculus Algebra or Statistical Reasoning or Business Statistics or higher math or statistics	3		MATH 1110 or MATH 1140 or STAT 1115	Mathematical Reasoning and Modeling or College Algebra or Statistics for the Social Sciences I or higher math or statistics	3
BIO 112* or BIO 125* or CHEM 123* or PHYS 105* or PHYS 118* or EASC 120 or EASC 106	Principles of Biology with Lab* or General Biology* (4) MOTR BIOL 150L or General Chemistry I with Lab* (5) or College Physics I with Lab* (5) or General Physics I with Lab* (5) or Intro to Astronomy (3) or Physical Geology with Lab (4) or higher science lecture *Lab satisfies science lab requirement below.	6		BIO SCI 1113, 1219* or BIO SCI 1213, 1219* CHEM 1310, 1319* or PHYSICS 1145* or PHYSICS 1135* or PHYSICS 1505, 1509* or GEOLOGY 1110	General Biology (3) and Lab* (1) or Principles of Biology (3) and Lab* (1) MOTR BIOL 150L General Chemistry I (4) and Lab* (1) or College Physics I* (4) or Engineering Physics*(4) or Introductory Astronomy (3) and Lab* (1) or Physical and Environmental Geology (3) or higher science lecture *Lab satisfies science lab requirement below.	6
Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1	Select 6 hours from at least 2 disciplines.	Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1
LIT 109 or LIT 107 or LIT 112 or HIST 101* or HIST 102* or ART 101 or MUS 101 or THEA 107 or Literature	British Literature or American Literature or World Literature or US History Before 1877* or US History Since 1877* or Art Appreciation or Music Appreciation or Intro to Theatre or Any literature with prerequisite of no more than English Composition I. *Satisfies the State of Missouri government requirement.	6		ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1190 or Literature	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre via Video or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
Group 2 Emphasis/Focus Area Requirements		22		Group 2 Emphasis/Focus Area Requirements		22
Group 1 Core Requirements		27		Group 1 Core Requirements		25
Total Hours		27		Total Hours*		25
*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/secondaryeducation/ .						