

Mineral Area College — Missouri S&T
Early Childhood, Elementary, and Middle School Teacher Education Transfer Guide
 Effective as of Fall 2021

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>Mineral Area College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
ENG 1330	English Composition I	3	ENG 1120	Exposition and Argumentation	3
ENG 1340	English Composition	3	ENG 1160	Writing and Research	3
ENG 1440	Public Speaking	3	SP&MS 1185	Principles of Speech	3
ENG 2330 or ENG 2430 or ENG 2492	English Literature I or American Literature I or Women's Literature (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 2242	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or Literature by Women (or other literature elective)	3
PHI 1400	Intro to Philosophy	3	PHILOS 1105	Intro to Philosophy (or other philosophy)	3
GEO 1130	Regional World Geography	3	HISTORY 2110	World Regional Geography	3
POS 1180	American Political Systems	3	POL SCI 1200	American Government	3
PSY 1130	General Psychology I	3	PSYCH 1101	General Psychology	3
EDU 2040	Foundations of Education	3	EDUC 1040	Perspectives in Education	3
EDU 2100	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1
EDU 2320	Educational Psychology	3	PSYCH 2300	Educational Psychology	3
PSY 1250	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	3
EDU 2500	Education of Exceptional Learner	3	EDUC 2310	Education of the Exceptional Child	3
Total Hours		39	Total Hours		37

**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 Studies 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

<u>Mineral Area College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
BIO 1150	General Biology	5	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
PHS 1350	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	4
MAT 1230	College Algebra (or higher level math)	3	MATH 1140	College Algebra (or higher level math)	3
PHS1420 or PHS 1200	College Physics I (4) or Intro to Astronomy (3)	3	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
HIS 1130 or HIS 1140 or HIS 1230 or HIS 1240	Western Civilization I or Western Civilization II or American History I or American 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
ENG 2520	Children's Literature	3	EDUC 3430	Children's Literature	3
ART 1490 or MUS 1630	History of Art I or Appreciation of Music	3	ART 1180 or MUSIC 1150	Art Appreciation or Music Understanding and Appreciation	3
	Group 2 Major Requirements	25		Group 2 Major Requirements	24
	Group 1 Core Requirements	39		Group 1 Core Requirements	37
	Total Hours	64		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>Mineral Area College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
BIO 1150	General Biology	5	BIOL SCI 1223, 1229	Biodiversity and Lab	4
PHS 1350	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	4
MAT 1230	College Algebra (or higher level math)	3	MATH 1140	College Algebra (or higher level math)	3
PHS1420 or PHS 1200	College Physics I (4) or Intro to Astronomy (3)	3	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
HIS 1130 HIS 1140	Western Civilization I Western Civilization II	3 3	HISTORY 1100 HISTORY 1200	Early Western Civilization Modern Western Civilization	3 3
HIS 1230 or HIS 1240	American History I or American History II	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
BUS 2940 or BUS 2930	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
ENG 2520	Children's Literature	3	EDUC 3430	Children's Literature	3
ART 1490 or MUS 1630	History of Art I or Appreciation of Music	3	ART 1180 or MUSIC 1150	Art Appreciation or Music Understanding and Appreciation	3
	World History Elective	3		World History Elective	3
	American History Elective	3		American History Elective	3
	Group 2 Major Requirements	40		Group 2 Major Requirements	38
	Group 1 Core Requirements	39		Group 1 Core Requirements	37
	Total Hours	79		Total Hours*	75

*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

<u>Mineral Area College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
MAT 1230	College Algebra	3	MATH 1140	College Algebra	3
BIO 1150	General Biology	5	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
PHS 1200 or	Intro to Astronomy (3) or	3	PHYSICS 1505 or	Introductory Astronomy (3) or	3
PHS 1350	General Chemistry I (5)		CHEM 1310	General Chemistry (4)	
CSC 1100 or	Programming Logic or	3	IST 1551 or	Implementing Info Systems: User Perspective or	3
CSC 1600 or	C# Programming or		CS 1500 or	Computational Problem Solving or	
CSC 2400	Computer Programming in C++		CS 1971/1981	Intro to Programming Methodology and Lab	
ART 1490 or	History of Art I or	3	ART 1180 or	Art Appreciation or	3
MUS 1630 or	Appreciation of Music or		MUSIC 1150 or	Music Understanding and Appreciation or	
THE 1000	Intro to Theatre		THEATRE 1190	Theatre via Video	
BUS 2940 or	Principles of Microeconomics or	3	ECON 1100 or	Principles of Microeconomics or	3
BUS 2930	Principles of Macroeconomics		ECON 1200	Principles of Macroeconomics	
Literature Elective	Literature Elective	3	Literature Elective	Literature Elective	3
UL Literature Elective	Upper Level Literature Elective	3	UL Literature Elective	Upper Level Literature Elective	3
Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3	Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3
	Group 2 Major Requirements	29		Group 2 Major Requirements	29
	Group 1 Core Requirements	39		Group 1 Core Requirements	37
	Total Hours	68		Total Hours*	66

*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>Mineral Area College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
BIO 1150	General Biology	5	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
PHS 1200 or	Intro to Astronomy (3) or	3	PHYSICS 1505 or	Introductory Astronomy (3) or	3
PHS 1420 or	College Physics I (4) or		PHYSICS 1145 or	College Physics I (4) or	
PHS 1350	General Chemistry I (5)		CHEM 1310	General Chemistry (4)	
MAT 1230	College Algebra	3	MATH 1140	College Algebra	3
MAT 1370	Pre-Calculus: Trig & Geom Reasoning	3	MATH 1160	Trigonometry	2
MAT 1650	Analytical Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MAT 2150 or	Analytical Geometry and Calculus II or	5	MATH 1215 or	Calculus II (4) or	4
MAT 1600	Business Calculus		MATH 1212	Survey of Calculus (4)	
CSC 1100 or	Programming Logic or	3	IST 1551 or	Implementing Info Systems: User Perspective or	3
CSC 1600 or	C# Programming or		CS 1500 or	Computational Problem Solving or	
CSC 2400	Computer Programming in C++		CS 1971/1981	Intro to Programming Methodology and Lab	
MAT 1260	Elementary Statistics	3	STAT 1115	Statistics for the Social Sciences I	3
ART 1490 or	History of Art I or	3	ART 1180 or	Art Appreciation or	3
MUS 1630 or	Appreciation of Music or		MUSIC 1150 or	Music Understanding and Appreciation or	
THE 1000	Intro to Theatre		THEATRE 1190	Theatre via Video	
BUS 2940 or	Principles of Microeconomics or	3	ECON 1100 or	Principles of Microeconomics or	3
BUS 2930	Principles of Macroeconomics		ECON 1200	Principles of Macroeconomics	
Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3	Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3
	Group 2 Major Requirements	39		Group 2 Major Requirements	36
	Group 1 Core Requirements	39		Group 1 Core Requirements	37
	Total Hours	78		Total Hours*	73

*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>Mineral Area College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
BIO 1150	General Biology	5	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
BIO 1430	Environmental Science	3	BIOL 1173	Intro to Environmental Sciences	3
PHS 1200 or	Intro to Astronomy (3) or	3	PHYSICS 1505 or	Introductory Astronomy (3) or	3
PHS 1420	College Physics I (4)	3	PHYSICS 1145	College Physics I (4)	3
PHS 1350	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
MAT 1230	College Algebra	3	MATH 1140	College Algebra	3
MAT 1260	Elementary Statistics	3	STAT 1115	Statistics for the Social Sciences I	3
ART 1490 or	History of Art I or	3	ART 1180 or	Art Appreciation or	3
MUS 1630 or	Appreciation of Music or	3	MUSIC 1150 or	Music Understanding and Appreciation or	3
THE 1000	Intro to Theatre	3	THEATRE 1190	Theatre via Video	3
BUS 2940 or	Principles of Microeconomics or	3	ECON 1100 or	Principles of Microeconomics or	3
BUS 2930	Principles of Macroeconomics	3	ECON 1200	Principles of Macroeconomics	3
Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3	Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3
	Group 2 Major Requirements	31		Group 2 Major Requirements	31
	Group 1 Core Requirements	39		Group 1 Core Requirements	37
	Total Hours	70		Total Hours*	68

*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 Studies Emphasis Area

<u>Mineral Area College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
BIO 1150	General Biology	5	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
PHS 1200 or	Intro to Astronomy (3) or	3	PHYSICS 1505 or	Introductory Astronomy (3) or	3
PHS 1420 or	College Physics I (4) or	3	PHYSICS 1145 or	College Physics I (4) or	3
PHS 1350	General Chemistry I (5)	3	CHEM 1310	General Chemistry (4)	3
MAT 1230	College Algebra	3	MATH 1140	College Algebra	3
CSC 1100 or	Programming Logic or	3	CS 1500 or	Computational Problem Solving or	3
CSC 1600 or	C# Programming or	3	CS 1971/1981	Intro to Programming Methodology and Lab	3
CSC 2400	Computer Programming in C++	3			3
HIS 1130 or	Western Civilization I or	3	HISTORY 1100 or	Early Western Civilization or	3
HIS 1140	Western Civilization II	3	HISTORY 1200	Modern Western Civilization	3
HIS 1230 or	American History I or	3	HISTORY 1300 or	American History to 1877 or	3
HIS 1240	American History II	3	HISTORY 1310	American History since 1877	3
ART 1490 or	History of Art I or	3	ART 1180 or	Art Appreciation or	3
MUS 1630 or	Appreciation of Music or	3	MUSIC 1150 or	Music Understanding and Appreciation or	3
THE 1000	Intro to Theatre	3	THEATRE 1190	Theatre via Video	3
BUS 2940 or	Principles of Microeconomics or	3	ECON 1100 or	Principles of Microeconomics or	3
BUS 2930	Principles of Macroeconomics	3	ECON 1200	Principles of Macroeconomics	3
World History	World History Elective	3	World History	World History Elective	3
American History	American History Elective	3	American History	American History Elective	3
Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3	Humanities Elective	Humanities: philosophy, fine art, literature, foreign language	3
	Group 2 Major Requirements	35		Group 2 Major Requirements	35
	Group 1 Core Requirements	39		Group 1 Core Requirements	37
	Total Hours	74		Total Hours*	72

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

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