

St. Louis Community College — Missouri S&T
Early Childhood, Elementary, and Middle School Teacher Education Transfer Guide
 Effective as of Fall 2023

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>St. Louis Community College</u>		<u>Semester</u>	<u>Missouri S&T</u>			
ENG 101	College Composition I	3	ENG 1120	Exposition and Argumentation	3	
ENG 102	College Composition II	3	ENG 1160	Writing and Research	3	
COM 107	Public Speaking	3	SP&MS 1185	Principles of Speech	3	
ENG 210 or ENG 204 or ENG 231 or ENG 216 or ENG 217	British Literature I or American Literature I or World Literature or Women in Literature or Major Black Writers (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature (or other literature elective)	3	
PHL 101 or PHL 102	Intro to Philosophy or Intro to Logic	3	PHIL1105 or PHIL 1115	Intro to Philosophy or Intro to Logic	3	
GEG 101	Regional Geography	3	HISTORY 2110	World Regional Geography	3	
PSC 101	Intro to American Politics	3	POL SCI 1200	American Government	3	
PSY 200	General Psychology I	3	PSYCH 1101	General Psychology	3	
EDU 211	Foundations of Education in a Diverse Society	3	EDUC 1040	Perspectives in Education	2	
EDU 210	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1	
EDU 227	Educational Psychology	3	PSYCH 2300	Educational Psychology	3	
PSY 205	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	3	
EDU 219	Education of Exceptional Learners	3	EDUC 2310	Education of the Exceptional Child	3	
Total Hours		39			Total Hours	36

**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>St. Louis Community College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
BIO 111	Introductory Biology I	4	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
CHM 105 or GEO 111	General Chemistry I or Physical Geology	5	CHEM 1310, 1319 or GEOLOGY 1110 (1120)	General Chemistry I and Lab or Physical and Environmental Geology	5 or 3
MTH 160	Precalculus Algebra (or higher level math)	3	MATH 1140	College Algebra (or higher level math)	3
PHY 111 or PSI 111	College Physics I or Intro to Astronomy	4	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
HST 115 or HST 128 or HST 101 or HST 102	Ancient and Medieval History to 1500 or Western Civilization 1500 to Present or US History to 1865 or US History 1865 to Present	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 226	Children's Literature	3	EDUC 3430	Diverse Literature for Children	3
ART 100 or MUS 114	Art Appreciation or Music Appreciation	3	ART 1180 or MUSIC 1150	Art Appreciation or Music Understanding and Appreciation	3
	Group 2 Major Requirements	25		Group 2 Major Requirements	20
	Group 1 Core Requirements	39		Group 1 Core Requirements	36
	Total Hours	64		Total Hours*	56

*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>St. Louis Community College</u>		<u>Semester</u>	<u>Missouri S&T</u>		
BIO 111	Introductory Biology I	4	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
BIO 141	Principles of Biology II	4	BIO SCI 1223, 1229	Biodiversity and Lab	4
CHM 105 or GEO 111	General Chemistry I or Physical Geology	5	CHEM 1310, 1319 or GEOLOGY 1110	General Chemistry I and Lab or Physical and Environmental Geology	5 or 3
MTH 160	Precalculus Algebra (or higher level math)	3	MATH 1140	College Algebra (or higher level math)	3
PHY 111 or PSI 111	College Physics I or Intro to Astronomy	4	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
HST 115	Ancient and Medieval History to 1500	3	HISTORY 1100	Early Western Civilization	3
HST 128	Western Civilization 1500 to Present	3	HISTORY 1200	Modern Western Civilization	3
HST 101 or HST 102	US History to 1865 or US History 1865 to Present	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
ECO 152 or ECO 151	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
ENG 226	Children's Literature	3	EDUC 3430	Diverse Literature for Children	3
ART 100 or MUS 114	Art Appreciation or Music Appreciation	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	44		Group 2 Major Requirements	39
	Group 1 Core Requirements	39		Group 1 Core Requirements	36
	Total Hours	83		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

St. Louis Community College		Semester	Missouri S&T		
MTH 140 or MTH 160	Intermediate Algebra or Precalculus Algebra (or higher level math)	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra	3
BIO 111	Introductory Biology I	4	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
GEO 111 or PSI 111 or CHM 105	Physical Geology (5) or Intro to Astronomy I (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)	3
IS 153 or IS 167 or IS 187 or IS 280 or IS 267 or ESC 101	C# Programming I (4) or C++ Programming I (4) or Java Programming I (4) or Python (3) or C++ Programming II (4) or Scientific Computer Programming (3)	3	IST 1551 or CS 1500 or CS 1971/1981	Implementing Info Systems: User Perspective or Computational Problem Solving or Intro to Programming Methodology and Lab	3
ART 100 or MUS 114 or THT 101	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
ECO 152 or ECO 151	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
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	28		Group 2 Major Requirements	29
	Group 1 Core Requirements	39		Group 1 Core Requirements	36
	Total Hours	67		Total Hours*	65

*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

St. Louis Community College		Semester	Missouri S&T		
BIO 111	Introductory Biology I	4	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
GEO 111	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
PSI 111 or PHY 111 or CHM 105	Intro to Astronomy (5) or College Physics I (4) or General Chemistry I (5)	4	PHYSICS 1505 or PHYSICS 1145 or CHEM 1310	Introductory Astronomy (3) or College Physics I (4) or General Chemistry (4)	3
MTH 140	Intermediate Algebra	3	MATH 1103	Fundamentals of Algebra	3
MTH 160	Precalculus Algebra	3	MATH 1140	College Algebra	3
MTH 170	Precalculus Trigonometry	3	MATH 1160	Trigonometry	2
MTH 210	Analytical Geometry and Calculus I	5	MATH 1214	Calculus I	4
MTH 220 or MTH 186	Analytical Geometry and Calculus II (5) or Survey Calculus (4)	4	MATH 1215 or MATH 1212	Calculus II or Survey of Calculus	4
IS 153 or IS 167 or IS 187 or IS 280 or IS 267 or ESC 101	C# Programming I (4) or C++ Programming I (4) or Java Programming I (4) or Python (3) or C++ Programming II (4) or Scientific Computer Programming (3)	3	IST 1551 or CS 1500 or CS 1971/1981	Implementing Info Systems: User Perspective or Computational Problem Solving or Intro to Programming Methodology and Lab	3
BUS 201 or MTH 180	Elementary Business Statistics (3) or Introductory Statistics (4)	3	STAT 1115	Statistics for the Social Sciences I	3
ART 100 or MUS 114 or THT 101	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
ECO 152 or ECO 151	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or 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	46		Group 2 Major Requirements	42
	Group 1 Core Requirements	39		Group 1 Core Requirements	36
	Total Hours	85		Total Hours*	78

*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

St. Louis Community College		Semester	Missouri S&T		
BIO 111 or BIO 140	Intro to Biology I (4) or Principles of Biology I (5)	4	BIO SCI 1113, 1219 or BIO SCI 1213, 1219	General Biology (3) and Lab (2) or Principles of Biology (3) and Lab (2)	5
BIO 225	Genetics	5	BIOL 2223	General Genetics	3
GEO 111	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
PHY 111 or PSI 111	College Physics I or Intro to Astronomy	4	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
CHM 105	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
MTH 140 or MTH 160	Intermediate Algebra or Precalculus Algebra	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra	3
BUS 201 or MTH 180	Elementary Business Statistics (3) or Introductory Statistics (4)	3	STAT 1115	Statistics for the Social Sciences I	3
ART 100 or MUS 114 or THT 101	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
ECO 152 or ECO 151	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or 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	38		Group 2 Major Requirements	34
	Group 1 Core Requirements	39		Group 1 Core Requirements	36
	Total Hours	77		Total Hours*	70

*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

St. Louis Community College		Semester	Missouri S&T		
BIO 111	Introductory Biology I	4	BIOL 1113, 1219	General Biology (3) and Lab (2)	5
GEO 111 or PSI 111 or PHY 111 or CHM 105	Physical Geology (5) or Intro to Astronomy (5) or College Physics I (4) or General Chemistry I (5)	4	GEOLOGY 1110 or PHYSICS 1505 or PHYSICS 1145 or CHEM 1310	Physical and Environmental Geology (3) or Introductory Astronomy (3) or College Physics I (4) or General Chemistry (4)	3
MTH 140 or MTH 160	Intermediate Algebra or Precalculus Algebra	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra	3
IS 153 or IS 167 or IS 187 or IS 280 or IS 267 or ESC 101	C# Programming I (4) or C++ Programming I (4) or Java Programming I (4) or Python (3) or C++ Programming II (4) or Scientific Computer Programming (3)	3	IST 1551 or CS 1500 or CS 1971/1981	Implementing Info Systems: User Perspective or Computational Problem Solving or Intro to Programming Methodology and Lab	3
HST 115 or HST 128	Ancient and Medieval History to 1500 or Western Civilization 1500 to Present	3	HISTORY 1100 or HISTORY 1200	Early Western Civilization or Modern Western Civilization	3
HST 101 or HST 102	US History to 1865 or US History 1865 to Present	3	HISTORY 1300 or HISTORY 1310	American History to 1877 or American History since 1877	3
ART 100 or MUS 114 or THT 101	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
ECO 152 or ECO 151	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or 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	36
	Total Hours	74		Total Hours*	71

*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/>.