



MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION
OFFICE OF EDUCATOR QUALITY – EDUCATOR PREPARATION

MIDDLE SCHOOL SCIENCE, GRADES 5-9

EDUCATOR PREPARATION PROGRAM NAME KANSAS CITY TEACHER RESIDENCY	EDUCATOR PREPARATION PROGRAM CODE 703621
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Please complete Educator Preparation Program (EPP) Name & EPP Code above. The EPP Code may be located at <https://dese.mo.gov/sites/default/files/EPP-Code-Name.pdf>

Certification Requirements:

- **Course Number** – List the course number(s) for the course(s) or groups of competencies that align with the specific section of the requirements. It is possible to have more than one course or group listed.
- **Course Title** – List the course title(s) for the course(s) or groups of competencies that align with the specific section of the requirements. It is possible to have more than one course or group listed.
- **Semester Hours** – List the number of semester hours for each specific section. It is possible to use decimals (to the nearest tenth) to indicate partial use of a course to meet a requirement. The total number of semester hours must meet or exceed the minimum required number of semester hours.

Email the completed cover sheet, curriculum matrix, and advising/program information to DESE.MoSPETransition@dese.mo.gov on or before the date established in the Transition Plan.

QUESTIONS: Contact Educator Preparation, 573-751-1668 or DESE.MoSPETransition@dese.mo.gov

A. Professional Requirements (Minimum of 45 semester hours)

1. Content Planning and Delivery			Semester Hours
	Course Number	Course Title	
a. Curriculum and Instructional Planning	KCTR 130	Instruction and Design 101	1.1
	KCTR 131	Instruction and Design 201	1.1
	KCTR 142	Middle School Science or STEM Methods 101	0.5
	KCTR 143	Middle School Science or STEM Methods 201	0.5
	KCTR 100	Investigating Instruction 101	0.6
	KCTR 134	Foundations of Instruction and Design	1.3
b. Instructional Strategies and Techniques in Content Area Specialty	KCTR 142	Middle School Science or STEM Methods 101	0.5
	KCTR 143	Middle School Science or STEM Methods 201	0.5
c. Assessment, Student Data, and Data-Based Decision-Making	KCTR 132	Assessing Learning in Your Classroom	1.1
	KCTR 133	Data Driven Instruction	0.6
d. Strategies for Content Literacy	KCTR 141	Literacy Instruction and Design 101	0.3
	KCTR 144	Literacy Instruction and Design 201	0.3
	KCTR 142	Middle School Science or STEM Methods 101	0.5
	KCTR 143	Middle School Science or STEM Methods 201	0.5
e. Critical Thinking and Problem Solving	KCTR 142	Middle School Science or STEM Methods 101	0.5
	KCTR 143	Middle School Science or STEM Methods 201	0.5
	KCTR 101	Residency Practicum 101	2.0
	KCTR 201	Residency Practicum 201	0.5
f. English Language Learning	KCTR 146	Special Populations	0.5
Total 1a. – 1f.			13.4
2. Individual Student Needs			Semester Hours
	Course Number	Course Title	
a. Psychological Development of the Child and Adolescent	KCTR 140	Child Learning, Growth, and Development	0.6
b. Psychology/Education of the Exceptional Child	KCTR 146	Special Populations	0.6
c. Differentiated Learning	KCTR 130	Instruction and Design 201	1.0
	KCTR 101	Residency Practicum 101	1.7
	KCTR 201	Residency Practicum 201	0.7
	KCTR 133	Data Driven Instruction	0.5
d. Classroom Management	KCTR 120	Classroom Engagement and Investment 101	0.6
	KCTR 101	Residency Practicum 101	2.0
	KCTR 201	Residency Practicum 201	1.0
	KCTR 125	Foundations of Classroom Engagement and Investment	1.2

	KCTR 126	Classroom Engagement and Investment 201	0.6
e. Cultural Diversity	KCTR 110	Foundations of Diversity, Equity, and Culturally Responsive Teaching	2.8
	KCTR 115	Diversity, Equity, and Culturally Responsive Teaching 101	0.6
	KCTR 116	Diversity, Equity, and Culturally Responsive Teaching 201	0.6
f. Educational Psychology	KCTR 140	Child Learning, Development, and Growth	0.5
Total 2a. – 2f.			
3. Schools and the Teaching Profession			Semester Hours
	Course Number	Course Title	
a. Consultation and Collaboration	KCTR 112	Foundations of Professionalism in Teaching	0.2
	KCTR 113	Professionalism in Teaching 101	0.3
	KCTR 114	Professionalism in Teaching 201	0.3
	KCTR 101	Residency Practicum 101	1.0
	KCTR 201	Residency Practicum 201	0.5
b. Legal/Ethical Aspects of Teaching	KCTR 112	Foundations of Professionalism in Teaching	0.3
	KCTR 113	Professionalism in Teaching 101	0.3
	KCTR 114	Professionalism in Teaching 201	0.3
c. Middle School Philosophy and Organization	KCTR 200	Investigating Instruction 201	0.6
Total 3a. – 3c.			3.8
4. Middle School Literacy (Minimum of six semester hours)			
	Course Number	Course Title	
a. Reading and Writing in the Content Area	KCTR 141	Literacy Instruction and Design 101	0.8
	KCTR 144	Literacy Instruction and Design 201	0.4
	KCTR 142	Middle School Science or STEM Methods 101	1.2
	KCTR 143	Middle School Science or STEM Methods 201	1.2
	KCTR 101	Residency Practicum 101	6.0
	KCTR 201	Residency Practicum 201	4.0
	KCTR 145	Exploring Content	2.2
b. Instructional Interventions for Students with Reading Deficits	KCTR 144	Literacy Instruction and Design 201	0.4
	KCTR 101	Residency Practicum 101	5.0
	KCTR 201	Residency Practicum 201	4.0
Total 4a. – 4b.			25.2
5. Content Knowledge for Teaching (Minimum of 24 semester hours with appropriate distribution in one of the following certificate subject areas)			
	Course Number	Course Title	Semester Hours
a. Agricultural Education			
b. Business Education			
c. Technology and Engineering			
d. Language Arts			
e. Mathematics			
f. Science	Candidate must: <ul style="list-style-type: none"> • Hold a Baccalaureate Degree in the content area or a closely related field; or • Obtain a passing score on the designated Missouri Content Assessment (MoCA). 		
g. Social Science			
h. Speech/Theatre			
Professional Requirements - Total Semester Hours			57.4
B. Field and Clinical Experiences (Minimum of ten semester hours)			
	Course Number	Course Title	Semester Hours
1. Early Field Experiences (Minimum of one semester hour with a minimum of 30 clock hours)	KCTR 101	Residency Practicum 101	1.0
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	KCTR 101	Residency Practicum 101	0.5
	KCTR 201	Residency Practicum 201	0.5
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	KCTR 201	Residency Practicum 201	8.0
Field and Clinical Experiences - Total Semester Hours			10.0

The Department of Elementary and Secondary Education does not discriminate on the basis of race, color, religion, gender, national origin, age, or disability in its programs and activities. Inquiries related to Department programs and to the location of services, activities, and facilities that are accessible by persons with disabilities may be directed to the Jefferson State Office Building, Office of the General Counsel, Coordinator – Civil Rights Compliance (Title VI/Title IX/504/ADA/Age Act), 6th Floor, 205 Jefferson Street, P.O. Box 480, Jefferson City, MO 65102-0480; telephone number 573-526-4757 or TTY 800-735-2966 email civilrights@dese.mo.gov.