



**MIDDLE SCHOOL EDUCATION SCIENCE, GRADES 5-9**

EDUCATOR PREPARATION PROGRAM NAME UNIVERSITY OF MISSOURI (COLUMBIA)	EDUCATOR PREPARATION PROGRAM CODE 116116
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**INSTRUCTIONS**

Please complete Educator Preparation Program (EPP) Name & EPP Code above.

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](mailto: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](mailto:DESE.MoSPETransition@dese.mo.gov)

**A. Professional Requirements (Minimum of 45 semester hours)**

1. Content Planning and Delivery

	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	LTC 1130 LTC 4410	Orientation Teaching, Engaging, Assessing Middle School	1 0.5
b. Instructional Strategies and Techniques in Content Area Specialty	LTC 4410 LTC 4340 LTC 4350	Teaching, Engaging, Assessing Middle School Middle School Science I Middle School Science II	0.5 2 1.5
c. Assessment, Student Data, and Data-Based Decision-Making	ESC_PS 2010 ED_LPA 4060 LTC 4410	Inquiry into Learning I Inquiry into Schools, Community & Society II Teaching, Engaging, Assessing Middle School	1 .75 0.5
d. Strategies for Content Literacy	SPC_ED 4020 LTC 4410	Inquiry into Learning II Teaching, Engaging, Assessing Middle School	.75 0.5
e. Critical Thinking and Problem Solving	LTC 4340 LTC 4350	Middle School Science I Middle School Science II	2 1.5
f. English Language Learning	LTC 4460	Teaching English to Speakers of Other Languages	3

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	ESC_PS 2010 LTC 2200	Inquiry into Learning I School Health & Student Wellbeing	1 1.5
b. Psychology/Education of the Exceptional Child	SPC_ED 4020	Inquiry into Learning II	.75
c. Differentiated Learning	SPC_ED 4020	Inquiry into Learning II	.75
d. Classroom Management	SPC_ED 4310	Behavioral Management for Exceptional Students	3
e. Cultural Diversity	LTC 2040 ED_LPA 4060 LTC 2200	Inquiry into Schools, Community & Society I Inquiry into Schools, Community & Society II School Health & Student Wellbeing	3 .75 1.5
f. Educational Psychology	ESC_PS 2010	Inquiry into Learning I	1

3. Schools and the Teaching Profession			
	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	ED_LPA 4060	Inquiry into Schools, Community & Society II	.75
b. Legal/Ethical Aspects of Teaching	SPC_ED 4020 ED_LPA 4060	Inquiry into Learning II Inquiry into Schools, Community & Society II	.75 .75
c. Middle School Philosophy and Organization	LTC 4410	Teaching, Engaging, Assessing Middle School	0.5
4. Middle School Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	LTC 4560 LTC 4410	Reading & Writing in the Content Area I	3 0.5
b. Instructional Interventions for Students with Reading Deficits	LTC 4565	Reading & Writing in the Content Area II	3
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	CHEM 1320 CHEM 1330 PHYSICS 1210 PHYSICS 2330 ATM_SC 1050 BIO_SC 1500 BIO_SC 1060 or 2060 or NAT_R 1060 BIO_SC 4994 GEOL 1100 or 1200	College Chemistry I College Chemistry II College Physics Exploring the Principles of Physics Intro to Meteorology Intro to Biological Systems with Lab Basic Environmental Studies Teaching Middle/Secondary biology Principles of Geology with Lab or Environmental Geology with Lab	4 4 4 4 3 5 3 3 4
g. Social Science			
h. Speech/Theatre			
<b>Professional Requirements - Total Semester Hours</b>			<b>72</b>
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)	ESC_PS 2014 LTC 2044	Inquiry into Learning I field Inquiry into Schools, Community & Society I field	1 1
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	LTC 4344 LTC 4354	Teaching MS Science field I Teaching MS Science field II	1 1
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	LTC 4971	Internship & Capstone Seminar	12
<b>Field and Clinical Experiences - Total Semester Hours</b>			<b>16</b>

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