



MIDDLE SCHOOL SCIENCE, GRADES 5-9 - ALTERNATIVE

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. 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

	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	LTC 4340/7340 LTC 4350/7350	Middle School Science I Teaching Middle and Secondary Science II	0.5 0.75
b. Instructional Strategies and Techniques in Content Area Specialty	LTC 4340/7340 LTC 4350/7350	Middle School Science I Teaching Middle and Secondary Science II	0.75 0.75
c. Assessment, Student Data, and Data-Based Decision-Making	LTC 4340/7340 LTC 4350/7350 SPC_ED 4020/7020	Middle School Science I Teaching Middle and Secondary Science II Teaching the Exceptional Learner	0.5 0.75 0.5
d. Strategies for Content Literacy	LTC 4340/7340 LTC 4560/7560 Or LTC 8642	Middle School Science I Reading and Writing in Content Areas Or Teaching Writing and Reading in Content Areas	1.0 See Below
e. Critical Thinking and Problem Solving	LTC 4340/7340 LTC 4350/7350	Middle School Science I Teaching Middle and Secondary Science II	0.75 0.75
f. English Language Learning	LTC 4460/7460	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 2010/7000 OR ESC_PS 7160	Foundation of Teacher Prep I OR Developmental Aspects of Human Learning	1.5
b. Psychology/Education of the Exceptional Child	SPC_ED 4020/7020	Teaching the Exceptional Learner	0.75
c. Differentiated Learning	SPC_ED 4020/7020	Teaching the Exceptional Learner	0.75
d. Classroom Management	SPC_ED 4020/7020 SPC_ED 4310/7310 OR SPC_ED 8440	Teaching the Exceptional Learner Behavioral Management for Exceptional Students OR Advanced Behavior Management: Applied Behavior Analysis	0.25 3.0 3.0
e. Cultural Diversity	LTC 2040/7040	Inquiry into Schools, Community & Society I	1
f. Educational Psychology	ESC_PS 2010/7000 OR ESC_PS 7160	Foundation of Teacher Prep I OR Developmental Aspects of Human Learning	1.5

3. Schools and the Teaching Profession			
	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	LTC 2040/7040 SPC_ED 4020/7020	Inquiry into Schools, Community & Society I Teaching the Exceptional Learner	1 0.25
b. Legal/Ethical Aspects of Teaching	LTC 2040/7040 SPC_ED 4020/7020	Inquiry into Schools, Community & Society I Teaching the Exceptional Learner	1 0.5
c. Middle School Philosophy and Organization	LTC 4410/7410	Teaching, Engaging, and Assessing Mid-Level Students	3

4. Middle School Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	LTC 4560/7560 Or LTC 8642	Reading and Writing in Content Areas Or Teaching Writing and Reading in Content Areas	3
b. Instructional Interventions for Students with Reading Deficits	LTC 4565/7565	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) NOTE: Alternative certification individuals earn passing scores on the appropriate Missouri Content Assessments prior to beginning MU's certification program. Candidates must also possess a Bachelor's Degree in the appropriate content area.			
	Course Number	Course Title	Semester Hours
a. Agricultural Education			
b. Business Education			
c. Technology and Engineering			
d. Language Arts			
e. Mathematics			
f. Science			
g. Social Science			
h. Speech/Theatre			

Professional Requirements - Total Semester Hours

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	Inquiry into Learning I field	1
	Or LTC 2044 field	Or Inquiry into Schools Communities Societies field	1
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	LTC 8942	Advanced Internship in Curriculum and Instruction	1
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	LTC 8942	Advanced Internship in Curriculum and Instruction OR Two years of teaching experience while on a provisional certificate	8
Field and Clinical Experiences - Total Semester Hours			10

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