



EARLY CHILDHOOD EDUCATION BIRTH-GRADE 3 CURRICULUM MATRIX

EDUCATOR PREPARATION PROGRAM NAME Missouri University of Science and Technology	EDUCATOR PREPARATION PROGRAM CODE 116119
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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 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 60 semester hours)			
1. Content Planning and Delivery			
	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	EDUC 3530 – SS EDUC 3430 CL EDUC 3220 Sci EDUC 3215 EDUC 3216 EDUC 3217 EDUC 3218 EDUC 3203 EDUC 3221	Teaching Integrated SS & Humanities Children’s Literature Teaching Science in Elem and Early Childhood Teaching Reading in Elem and Early Childhood Settings Instructional Literacy in the Content Area Analysis & Correction of Reading Difficulties Language Arts for Elem & Early Childhood Teachers Intro to STEM Education Methods of Teaching Math	3 3 3 3 3 3 3 3 3
b. Instructional Strategies and Techniques in Content Area Specialty	EDUC 3530 – SS EDUC 3220 Sci EDUC 3215 EDUC 3216 EDUC 3217 EDUC 3218 EDUC 3203 EDUC 3221	Teaching Integrated SS & Humanities Teaching Science in Elem and Early Childhood Teaching Reading in Elem and Early Childhood Settings Instructional Literacy in the Content Area Analysis & Correction of Reading Difficulties Language Arts for Elem & Early Childhood Teachers Intro to STEM Education Methods of Teaching Math	
c. Assessment, Student Data, and Data-Based Decision-Making	EDUC 3340 EDUC 2440	Assessment of Student Learning Observation and Assessment of Young Children	3 3
d. Strategies for Content Literacy	EDUC 3216	Instructional Literacy in the Content Area	
e. Critical Thinking and Problem Solving	EDUC 3220 Sci EDUC 3203 EDUC 3221	Teaching Science in Elementary Intro to STEM Education Methods of Teaching Math	

f. English Language Learning	EDUC 3215 EDUC 3216 EDUC 3217 EDUC 3218 EDUC 1104 Psych 2300 or EDUC 2102 EDUC 3530 - SS	Teaching Reading in Elem and Early Childhood Settings Instructional Literacy in the Content Area Analysis & Correction of Reading Difficulties Language Arts for Elem and Early Childhood Teachers Teacher Field Experience I Educational Psychology (co-listed) Teaching Integrated SS & Humanities	
2. Individual Student Needs			
	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	Psychology 3310	Developmental Psychology	3
b. Psychology/Education of the Exceptional Child	Psych 4310 or EDUC 4310 or EDUC 2310	Psych of the Exceptional Child (co-listed)	3
c. Differentiated Learning	EDUC 3215 EDUC 3216 EDUC 3217 EDUC 3218 EDUC 3221 EDUC 1104 EDUC 3203	Teaching Reading in Elem and Early Childhood Settings Instructional Literacy in the Content Area Analysis & Correction of Reading Difficulties Language Arts for Elem and Early Childhood Teachers Methods of Teaching Math Teacher Field Experience I Intro to STEM Education	
d. Classroom Management	EDUC 1174 EDUC 4298	School Org & Administration Management Student Teaching Seminar	2 1
e. Cultural Diversity	Psych 2300 or EDUC 2102 EDUC 3216 EDUC 4298 EDUC 3530 – SS EDUC 1040	Educational Psychology (co-listed) Instructional Literacy in the Content Area Management Student Teaching Seminar Teaching Integrated SS & Humanities Perspectives in Education	2
f. Educational Psychology	Psych 2300 or EDUC 2102	Educational Psychology (co-listed)	3
3. Schools and the Teaching Profession			
	Course Number	Course Title	Semester Hours

<p>a. Consultation and Collaboration</p>	<p>EDUC 1174 Psych 2300 or EDUC 2102 Psychology 3310 Psych 4310 or EDUC 4310 or EDUC 2310 EDUC 1104 EDUC 4298 EDUC 4299 EDUC 3530 – SS EDUC 3430 CL EDUC 3220 Sci EDUC 3215 EDUC 3216 EDUC 3217 EDUC 3218 EDUC 3203 EDUC 3221</p>	<p>School Org & Administration Educational Psychology (co-listed) Developmental Psychology Psych of Exceptional Child (co-listed) Teacher Field Experience I Student Teaching Seminar Student Teaching Teaching Integrated SS & Humanities Children’s Literature Teaching Science in Elem and Early Childhood Teaching Reading in Elem and Early Childhood Settings Instructional Literacy in the Content Area Analysis & Correction of Reading Difficulties Language Arts for Elem and Early Childhood Teachers Intro to STEM Education Methods of Teaching Math</p>	
<p>b. Legal/Ethical Aspects of Teaching</p>	<p>EDUC 1174 EDUC 1040</p>	<p>School Org & Administration Perspectives in Education</p>	

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4. Content Knowledge for Teaching and Teaching and Learning Strategies for the Young Child (Minimum of 30 semester hours)			
	Course Number	Course Title	Semester Hours
a. Early Childhood Principles			
i. Child Development	EDUC 3211	Child Development	3
ii. Play-Based and Inquiry-Based Learning	EDUC 3203	Intro to STEM Education	
iii. Observing and Assessing Young Children	EDUC 2440	Observation and Assessment of Young Children	
iv. Language Acquisition	EDUC 1055 EDUC 3215 EDUC 3217 EDUC 3218	Introduction to Early Childhood Teaching Reading in Elem and Early Childhood Settings Analysis & Correction of Reading Difficulties Lang Arts for Elem & Early Childhood Teachers	3
b. Methods of Teaching and Differentiated Instruction in the following integrated areas:			
i. Early Literacy (Minimum of 6 semester hours) to address curriculum, explicit and systematic instruction, and assessment in the following areas using authentic text and purposes:			
(a) Language Acquisition	EDUC 1055 EDUC 3215 EDUC 3217 EDUC 3218	Introduction to Early Childhood Teaching Reading in Elem and Early Childhood Settings Analysis & Correction of Reading Difficulties Language Arts for Elem and Early Childhood Teachers	
(b) Phonological and Phonemic Awareness	EDUC 3215 EDUC 3217	Teaching Reading in Elem and Early Childhood Settings Analysis & Correction of Reading Difficulties	
(c) Phonics	EDUC 3215 EDUC 3217	Teaching Reading in Elem and Early Childhood Settings Analysis & Correction of Reading Difficulties	
(d) Vocabulary	EDUC 3215 EDUC 3216 EDUC 3217 EDUC 3218	Teaching Reading in Elem and Early Childhood Settings Instructional Literacy in the Content Area Analysis & Correction of Reading Difficulties Language Arts for Elem and Early Childhood Teachers	
(e) Fluency	EDUC 3215 EDUC 3217	Teaching Reading in Elem and Early Childhood Settings Analysis & Correction of Reading Difficulties	
(f) Comprehension	EDUC 3215 EDUC 3216 EDUC 3217 EDUC 3218	Teaching Reading in Elem and Early Childhood Settings Instructional Literacy in the Content Area Analysis & Correction of Reading Difficulties Language Arts for Elem and Early Childhood Teachers	
(g) Writing Process	EDUC 3218	Language Arts for Elem and Early Childhood Teachers	
ii. Mathematics	EDUC 3221	Methods of Teaching Math	
iii. Health	EDUC 3530 EDUC 1221	Teaching Integrated SS & Humanities Health, Nutrition and Safety	3

iv. Science	EDUC 3220 EDUC 3203	Teaching Science in Elem and Early Childhood Intro to STEM Education	
v. Nutrition	EDUC 1221	Health, Nutrition and Safety	
vi. Social Studies	EDUC 3530	Teaching Integrated SS & Humanities	
vii. Music	EDUC 3218 EDUC 3430	Language Arts for Elem and Early Childhood Teachers Children's Literature	
viii. Safety	EDUC 1221	Health, Nutrition and Safety	
ix. Movement	EDUC 3430 EDUC 3530	Children's Literature Teaching Integrated SS & Humanities	
x. Art	EDUC 3218 EDUC 3430	Language Arts for Elem and Early Childhood Teachers Children's Literature	
xi. Drama	EDUC 3430	Children's Literature	
5. Home-School-Community Relations (Minimum of 6 semester hours)			
	Course Number	Course Title	Semester Hours
a. Families as Educational Partners	EDUC 2401 EDUC 1174	School, Family, and Community Partnerships School Org & Administration	3
b. Family Engagement	EDUC 1055 EDUC 1174 EDUC 2401	Intro to Early Childhood Education School Org & Administration School, Family and Community Partnerships	3
c. Linking Families with Community Resources	EDUC 1055 EDUC 2401	Intro to Early Childhood Education School, Family and Community Partnerships	
6. Program Management (Minimum of 6 semester hours)			
	Course Number	Course Title	Semester Hours
a. Program Administration and Management	EDUC 1820	Early Childhood Program Management	3
b. Health, Nutrition, and Safety of Young Children	EDUC 1221	Health, Nutrition and Safety	
c. Environmental Organization and Design	EDUC 1055	Intro to Early Childhood Education	
Professional Requirements - Total Semester Hours			65
B. Field and Clinical Experiences (Minimum of 10 semester hours to include experiences in each of the three different age levels: Infant/Toddler, Pre-K/Kindergarten, and Kindergarten-Grade 3)			
	Course Number	Course Title	Semester Hours
1. Early Field Experiences (Minimum of 1 semester hour with a minimum of 30 clock hours)	EDUC 1104	Teacher Field Experience I	1
2. Mid-Level Field Experiences (Minimum of 1 semester hour with a minimum of 45 clock hours)	EDUC 1164	Teacher Field Experience II	2
3. Culminating Clinical Experiences (Minimum of 8 semester hours with a minimum of 12 weeks in 1 placement)	EDUC 4299	Student Teaching	12
Field and Clinical Experiences - Total Semester Hours			15