



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

EDUCATOR PREPARATION PROGRAM NAME <b>WESTMINSTER COLLEGE</b>	EDUCATOR PREPARATION PROGRAM CODE <b>049495</b>
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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	EDU 101	Introduction to Teaching	1
	EDU 436	Teaching Science MS/Sec.	3
	EDU 306	Teaching Reading	3
	EDU 311	MS Phil and Organization	2
	EDU 314	MS Curr and Instruction	2
b. Instructional Strategies and Techniques in Content Area Specialty	EDU 290	Foundations of Education	3
	EDU 436	Teaching Science MS/Sec.	3
	EDU 306	Teaching Reading	3
	EDU 311	MS Phil and Organization	2
	EDU 314	MS Curr and Instruction	2
c. Assessment, Student Data, and Data-Based Decision-Making	EDU 290	Foundations of Education	3
	EDU 393	Education Practicum 2	2
	EDU 490	Education Seminar	3
	EDU 436	Teaching Science MS/Sec.	3
	EDU 306	Teaching Reading	3
	EDU 311	MS Phil and Organization	2
	EDU 314	MS Curr and Instruction	2
d. Strategies for Content Literacy	EDU 392	Reading and Writing in the Content Area	3
	EDU 436	Teaching Science MS/Sec.	3
	EDU 306	Teaching Reading	3
	EDU 311	MS Phil and Organization	2
	EDU 314	MS Curr and Instruction	2
e. Critical Thinking and Problem Solving	EDU 393	Education Practicum 2	2
	EDU 490	Education Seminar	3
	EDU 436	Teaching Science MS/Sec.	3
	EDU 306	Teaching Reading	3
	EDU 311	MS Phil and Organization	2
	EDU 314	MS Curr and Instruction	2
f. English Language Learning	EDU 385	Diversity in Education	3

**2. Individual Student Needs**

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	EDU 230	Child and Adolescent Growth and Development	3
b. Psychology/Education of the Exceptional Child	EDU 231	Education of the Exceptional Individual	3
c. Differentiated Learning	EDU 231	Education of the Exceptional Individual	3
	EDU 392	Reading and Writing in the Content Area	3
	EDU 490	Education Seminar	3
d. Classroom Management	EDU 453	Classroom Organization and Management	3
e. Cultural Diversity	EDU 385	Diversity in Education	3
f. Educational Psychology	EDU 221	Education Psychology	3

**3. Schools and the Teaching Profession**

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	EDU 290	Foundations of Education	3
b. Legal/Ethical Aspects of Teaching	EDU 290	Foundations of Education	3
c. Middle School Philosophy and Organization	EDU 311	MS Philosophy and Organization	2

**4. Middle School Literacy (Minimum of six semester hours)**

	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	EDU 392	Reading and Writing in the Content Area	3
b. Instructional Interventions for Students with Reading Deficits	EDU 306	Teaching Reading	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	ENV 105 CHEM 114/115 NSC 305 PHY 105 BIO 100 or BIO124/125 BIO 107 GEO 108 or GEO 110	Introduction to Environmental Science General Chemistry 1 w/ Lab Survey of the History of Science Introduction to Physics General Biology 1 or Biodiversity w/lab Human Biology Introduction to Physical Geology Earth Processes	3 4 3 3 3 4 4 4
g. Social Science			
h. Speech/Theatre			

**Professional Requirements - Total Semester Hours 61-62**

**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)	EDU 291	Education Practicum 1	2
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	EDU 393	Education Practicum 2	2
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	EDU 495	Student Teaching: Middle	12

**Field and Clinical Experiences - Total Semester Hours 16**

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