



MIDDLE SCHOOL EDUCATION SCIENCE, GRADES 5-9

EDUCATOR PREPARATION PROGRAM NAME HARRIS-STOWE STATE UNIVERSITY	EDUCATOR PREPARATION PROGRAM CODE 300194
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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 45 semester hours)

1. Content Planning and Delivery

	Course Number	Course Title	Semester Hours
a. Curriculum and Instructional Planning	EDUC0349	Methods of Teaching Elementary and Middle School Science: Content	.67 (2)
b. Instructional Strategies and Techniques in Content Area Specialty	EDUC 0349	Methods of Teaching Elementary and Middle School Science: Content	.67 (2)
c. Assessment, Student Data, and Data-Based Decision-Making	EDUC0407	Classroom Assessment of Student Learning	.75 (3)
d. Strategies for Content Literacy	EDUC0347B	Content Area Reading	0 (3)
	EDUC 0345	Reading and Writing in the Middle and Secondary Content Area	0 (3)
e. Critical Thinking and Problem Solving	EDUC0407 EDUC0223	Classroom Assessment of Student Learning Computers and Instructional Technology	1 (3) 1.5 (3)
f. English Language Learning	EDUC0318	Cultural Diversity and Methods of Teaching English Language Learners	1.5 (3)

2. Individual Student Needs

	Course Number	Course Title	Semester Hours
a. Psychological Development of the Child and Adolescent	PSY0308	Human Growth and Development	3
b. Psychology/Education of the Exceptional Child	PSY0312	Psychology/Education of the Exceptional Child	3
c. Differentiated Learning	EDUC0230	Middle/Junior and Senior High School Philosophy, Organization, and Curriculum	.75 (3)
	EDUC0349	Methods of Teaching Elementary and Middle School Science: Content	1 (2)
	EDUC0223	Computers & Instructional Technology	1.5 (3)
d. Classroom Management	EDUC0401B	Middle and Secondary Classroom Organization and Management	3
e. Cultural Diversity	EDUC0318	Cultural Diversity and Methods of Teaching English Language Learners	1.5 (3)
f. Educational Psychology	PSY0305	Educational Psychology	3

3. Schools and the Teaching Profession

	Course Number	Course Title	Semester Hours
a. Consultation and Collaboration	EDUC0407	Classroom Assessment of Student Learning	.75 (3)
	EDUC0230	Middle/Junior and Senior High School Philosophy, Organization, and Curriculum	.75 (4)
b. Legal/Ethical Aspects of Teaching	EDUC0407	Classroom Assessment of Student Learning	.75 (3)
	EDUC0230	Middle/Junior and Senior High School Philosophy, Organization, and Curriculum	.75 (4)

c. Middle School Philosophy and Organization	EDUC0230	Middle/Junior and Senior High School Philosophy, Organization, and Curriculum	1 (4)
4. Middle School Literacy (Minimum of six semester hours)			
	Course Number	Course Title	Semester Hours
a. Reading and Writing in the Content Area	EDUC 0345	Reading and Writing in the Middle and Secondary Content Area	3
b. Instructional Interventions for Students with Reading Deficits	EDUC 0347B	Content Area Reading	2 (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	BIO0151 BIO0152 BIO0153 BIO0154 BIO0240 PHSC0151 PHSC0152 PHY0251 PHY0252 CHEM0255 CHEM0256 GEOL0250I MET0250	Biology Survey (Lecture) Biology Survey (Laboratory) Biology Survey II (Lecture) Biology Survey II (Laboratory) Science and Technology Physical Science Survey (Lecture) Physical Science Survey (Laboratory) General Physics: Mechanics (Lecture) General Physics: Mechanics (Laboratory) General Chemistry (Lecture) General Chemistry (Laboratory) Earth Science Elective, choose one: General Geology (3) Meteorology (3)	3 2 3 2 3 3 2 3 2 3 2 3
g. Social Science			
h. Speech/Theatre			
Professional Requirements - Total Semester Hours			63
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)	EDUC0401B	Middle and Secondary Classroom Organization and Management (30 clock hours)	1 (3)
2. Mid-Level Field Experiences (Minimum of one semester hour with a minimum of 45 clock hours)	EDUC0355	Methods of Teaching Middle and Secondary Science: Content Applications (60 clock hours)	2
	EDUC0347B	Content Area Reading (20 clock hours)	0 (3)
3. Culminating Clinical Experiences (Minimum of eight semester hours with a minimum of 12 weeks in one placement)	EDUC 0402III	Supervised Student Teaching	12
Field and Clinical Experiences - Total Semester Hours			15

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.