

Middle School Education - Science

Bachelor of Science in Education (BSED)

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The Middle School Science Education program of study prepares future teachers to work with students in middle school settings. Middle School Education students have the opportunity to participate in Tomorrow's Teachers Learning Community, where they take courses and live in a residential hall with other Education majors. Students also receive support in preparation for the Missouri General Education Assessment, which is required for admission to the Educator Preparation Program. We also provide our future educators the tools to learn to use and integrate instructional technology across our curriculum. Join our EDvolution of future educators!



Becoming Career Ready...

/ Students will be certified to teach middle school science (grades 5 – 9).

/ Students integrate technology into the curriculum with the EDvolution one-to-one instructional technology program.

/ Students have the opportunity for student teaching abroad, including our partnership with Eagles College in Iquique, Chile.

/ BS Ed. students have opportunities for leadership in numerous student organizations.

/ Full-time faculty with experience in the classroom are the primary instructors in the required courses.

/ The state of Missouri has high expectations for future educators. Students must maintain a 2.75 cumulative GPA and a 3.0 GPA in both the area of content expertise and pedagogy courses. In addition, students must pass the MO Content Exam and the MO Educator Evaluation System for recommendation for licensure. Students must also fulfill other assessments such as a dispositions profile and be cleared through an FBI background check.

/ 100% of Southeast programs offer a real-world experience. Students in this major experience this through multiple field experiences in local classrooms. In addition, there are student teaching opportunities abroad.

/ The path to a successful career starts with you! You can maximize your career development by working closely with Career Services and Southeast faculty – they are here to help you connect your passions, interests and skills to jobs and opportunities in the field. Career Services provides professional career counseling and coaching, resume critiques, practice interviews, job search strategies, career events, networking opportunities and more.

Transfer and Dual Credit Students

If you have dual credit or transfer credit, please visit our transfer course equivalencies guide at semo.edu/transfer-credit.

Education Outlook

- Students secure teaching positions across the state of Missouri, in surrounding states, and beyond.
- Graduates with Middle School Science certification find jobs as to teach science in grades 5 - 9.
- Placement rates are high for alumni with more than one teaching certification.
- First year teachers report feeling well prepared by Southeast Missouri State University on our annual survey of first-year teachers.

Admission Requirements

- 42 credit hours completed
- 2.75 cumulative GPA
- One of the following: 1) Composite/Superscore of 20 or higher on the ACT exam; 2) Passing scores on all sections of the Missouri General Education Assessment (MoGEA); or 3) A 4-year degree from an accredited college/university
- The following course requirements met:
 - A grade of C or above in CF/PY120 The Child (Elementary, Early, and Exceptional) or PY222 Development of the Adolescent (5-9, 9-12, and PK-12)
 - A grade of B or above in ED280 Introduction to Education as a Profession or ME222 Principles of Teaching Music.

EDvolution

All students in Educator Preparation Programs must purchase an iPad for use during the program.

- Tech for You: become a better student with technology
- Tech for Us: learn how to teach with technology
- Tech for Them: use technology in your field experiences

Field and Clinical Experiences

Early – explore the role of educators before you commit to the degree

Mid-level- middle school science students do field experiences in middle school science classrooms

Student Teaching- semester long, capstone experience in a middle school classroom

Graduation Requirements

- GPA: 2.75 cumulative; 3.0 professional education; 3.0 science content
- Pass the following Missouri Content Assessments: **013 (Middle School: Science)**
- Complete all required course work and field experiences

Special Options with Middle School Education

This program of study is also available at the Regional Campuses (Kennett and Sikeston) and the Poplar Bluff Delivery Site.

Southeast offers a Master of Arts in Secondary Education: Educational Studies or Educational Technology.



To learn more
Office of Admissions
(573) 651-2590
admissions@semo.edu
semo.edu

To explore
the College
of Education, Health and Human
Studies online, visit
semo.edu/education

For advising
Center for Academic Advising
semo.edu/advising

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This is a guide based on the 2019-2020 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

CURRICULUM CHECKLIST

"Critical Courses" are italicized and bold. Data shows that students who have completed this course in the first two years and have earned the noted grade are most likely to complete this program of study.

Professional Education Courses

A grade of 'C' or better is required in education courses, with the exception of ED280 which requires a grade of 'B' or better.

- ___ **ED280** Introduction to Teaching (3)
- ___ ED506 Education, Law, and Society (3)
- ___ EF400 Student Teaching Seminar (1)
- ___ EX390 Psychology and Education of the Exceptional Child (3)
- ___ **PY222** Development of the Adolescent (3)
- ___ SE307 Content Literacy Methods for Middle and High School (3)
- ___ SE320 Techniques of Teaching Science (3)
- ___ SE350 Pedagogy 1: Principles of Effective Teaching (3)*
- ___ SE355 Field II (3)
- ___ SE360 Pedagogy 2: Interdisciplinary Methods for Middle School (3)
- ___ SE380 Advanced Field (3)
- ___ SE385 Pedagogy 3: Advanced Methods of Middle and Secondary Teaching (3)
- ___ SE390 Instructional Interventions for Middle and Secondary Students with Special Literacy Needs (3)
- ___ SE465 Student Teaching (12)

*Middle School students must be admitted to the College of Education prior to enrolling in SE350.

Science Content Courses – 25 Hours Required

A grade of 'C' or better is required in content courses.

- ___ BI/CH/EP405 Engineering in Science Education (1)
- ___ BS105 Environmental Biology (3)
- ___ BS118 Introduction to Process Science for the Elementary Teachers (1)
- ___ BS218 Biological Science: A Process Approach (3)
- ___ CH181/081/001 Basic Principles of Chemistry (5)
- ___ PH106/006 Physical Concepts (3)
- ___ PH109/009 Exploring the Universe (3)
- ___ PH218 Physical Science: A Process Approach (3)
- ___ UI318/018 Earth Science: A Process Approach (3)

General Education Requirements – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	3	BS218	3
	EN100	3	PY222	3
	BS118	1	University Studies	3
	University Studies	3	University Studies	3
	University Studies	3	University Studies	3
	University Studies	3		
Total	16	Total	15	
Milestone: Maintain 2.75 cumulative GPA				
SECOND YEAR	ED280	3	CH181/081/001	5
	PH218	3	PH109/009	3
	University Studies	3	University Studies	3
	University Studies	3	Elective	3
	Elective	3	Elective	2
	Total	15	Total	16
Milestone: Maintain 2.75 cumulative GPA, Passing score MoGEA				
THIRD YEAR	BS105	3	BI/CH/EP405	1
	EX390	3	SE307	3
	SE350	3	SE355	3
	PH106/006	3	SE360	3
	Elective	3	UI318/018	3
			Elective	2
Total	15	Total	15	
Milestone: Maintain 2.75 cumulative GPA, 3.0 GPA in Ed. courses				
FOURTH YEAR	ED506	3	EF400	1
	SE320	3	SE465	12
	SE380	3		
	SE385	3		
	SE390	3		
	Total	15	Total	13
Milestone: Passing score Mo Content Exam and common assessment; 2.75 cumulative GPA; 3.0 GPA in Ed. courses; 3.0 GPA in content courses				

Students have the option of adding another area of concentration or a minor to this degree.

A "Milestone" signifies a significant stage for a student in the completion of a degree.

Degree requirements for all students: a minimum of 120 credit hours, completion of University Studies program, completion of 39 senior division hours (300-599), Writing Proficiency Exam (WP003). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.