Elementary Ed / Middle School Science

Bachelor of Science in Education (BSED)

The Elementary Education / Middle School Science program of study prepares future teachers to work with students in elementary or middle school settings. Elementary 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 future educators the tools to learn and integrate instructional technology across our curriculum. Join our EDvolution of future educators!

Becoming Career Ready...

/ Students will be certified to teach grades 1–6 upon successful completion of this program and licensure exams.
/ Students will be certified to teach middle school sciences 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 get experience 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/transfercredit.

Education Outlook

• Students secure teaching positions across the state of Missouri, in surrounding states, and beyond.
• Elementary Education graduates who add on Middle School Science certification find jobs as 1st – 6th grade teachers in public or private schools, as well as opportunities to teach science in grades 5 - 9.
• Elementary Education is considered a teacher shortage area in Missouri. Placement rates are high for alumni. Science teachers are in demand, as science is a high need field.
• Principals report elementary graduates are well-prepared as beginning teachers on our annual survey about 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:
  o A grade of C or above in CF/PY120 The Child (Elementary, Early, and Exceptional) or PY222 Development of the Adolescent (5-8, 9-12, and PK-12)
  o 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- elementary education majors adding on middle school science certification do field experiences in both elementary grades and middle school science classrooms
Student Teaching- semester long, co-teaching capstone experience in an elementary classroom

Graduation Requirements

• GPA: 2.75 cumulative; 3.0 professional education; 3.0 science content
• Pass the following Missouri Content Assessments: 007 (English Language Arts subtest), 008 (Mathematics subtest), 009 (Science subtest), 10 (Social Studies subtest), and 013 (Middle School: Science).
• Complete all required course work and field experiences

Special Options with Elementary 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 Elementary Education with an emphasis in Math/Science.
### CURRICULUM CHECKLIST

“Critical Courses” are italicized and bolded. 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.

### General Education Requirements

- 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**

| UI 100 | 3 | BS 218 | 3 |
| EN 100 | 3 | ED 280 | 3 |
| BS 118 | 1 | EN 140 | 3 |
| MA 128 | 4 | MA 228 | 4 |
| PH 109 | 3 | PY/CF 120 or PY 222 | 3 |
| SC 105 | 3 | | |
| **Total** | **17** | **Total** | **16** |

Milestone: Maintain 2.75 cumulative GPA, 3.0 GPA in content courses

**SECOND YEAR**

| BS 105 | 3 | CF 233 | 3 |
| EC 101 | 3 | CH 181 | 5 |
| EL 274 | 3 | PS 103 | 3 |
| PH 106 | 3 | UI 308 | 3 |
| PH 218 | 3 | UI 318 | 3 |
| US 105 | 3 | | |
| **Total** | **18** | **Total** | **17** |

Milestone: Maintain 2.75 cumulative GPA, 3.0 GPA in content courses; Passing score MoGEA

**THIRD YEAR**

| EL 300 | 3 | EL 350 | 3 |
| EL 314 | 3 | EL 355 | 3 |
| EL 316 | 3 | EL 360 | 3 |
| EL 317 | 3 | EX 390 | 3 |
| EL 340 | 3 | SE 320 or ED 506 | 3 |
| LI 243 | 3 | SE 360 | 3 |
| **Total** | **18** | **Total** | **18** |

Milestone: Maintain 2.75 cumulative GPA, 3.0 GPA in content courses; 3.0 GPA in professional education courses

**FOURTH YEAR**

| BI/CH/EP 405 | 1 | EF 400 | 1 |
| EL 354 | 3 | EL 480 | 12 |
| EL 410 | 3 | | |
| EL 420 | 3 | | |
| EL 430 | 3 | | |
| SE 320 or ED 506 | 3 | | |
| **Total** | **16** | **Total** | **13** |

Milestone: Passing score MO Content Exams, and MEES; 2.75 cumulative GPA; 3.0 GPA in science content and professional education courses.

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 the General Education 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.

*Students who score less than 22 on the ACT math subscore must also take MA 018 lab support.*

**Additional requirements:**

- BI/CH/EP 405 Engineering in Science Education (1)
- BS 118 Intro Process Science Elem Teachers (1)
- BS 105 Environmental Biology (3)
- BS 218 Biological Science; A Process Approach (3)
- CH 181/081/001 Basic Principles of Chemistry (5)
- PH 106/066 Physical Concepts (3)
- PH 109/009 Explore the Universe (3)
- PH 218: Physical Science; A Process Approach (3)
- UI 318/018 Earth Science: A Process Approach (3)

**Science Content Courses**

- BI/CH/EP 405 Engineering in Science Education (1)
- BS 118 Intro Process Science Elem Teachers (1)
- BS 105 Environmental Biology (3)
- BS 218 Biological Science; A Process Approach (3)
- CH 181/081/001 Basic Principles of Chemistry (5)
- PH 106/066 Physical Concepts (3)
- PH 109/009 Explore the Universe (3)
- PH 218 Physical Science; A Process Approach (3)
- UI 318/018 Earth Science: A Process Approach (3)

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

For advising Center for Academic Advising semo.edu/advising