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 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 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 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/transfercredit.

** Education Outlook**

- Elementary Education was the highest teacher shortage area in MO in 2019-2020. Science teachers are also in demand, as math is a high need field.
- 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.
- First year teachers report feeling well prepared by Southeast Missouri State University on our annual survey of first-year teachers.
- 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:
  - A grade of C or above in CF/PY’120 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.

** 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.

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**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-health

**For advising**
Center for Academic Advising  
semo.edu/advising
# Elementary Ed / Middle School Science (BSED)

This is a guide based on the 2020-2021 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 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.

### Professional Education Requirements:
A grade of “C” or better is required in education courses.

- **BS 118 Intro Process Science Elem Teachers (1)**
- **CF 233 Creative Thought and Expression in Children (3)**
- **ED 280 Introduction to Education as a Profession (3)**
- **ED 506 Education Law and Society (3)**
- **EF 400 Student Teaching Seminar (1)**
- **EL 274 Diversity in America’s Schools (3)**
- **EL 300 Assistive and Instructional Technology in a Universally Designed Learning Environment (3)**
- **EL 314 Literacy Field Experience (3)**
- **EL 316 Emergent and Early Literacy Instruction (3)**
- **EL 317 Elementary and Middle School Literacy Instruction (3)**
- **EL 340 Classroom Management (3)**
- **EL 350 Content Field Experience (3)**
- **EL 354 Meeting the Needs of Struggling Readers (3)**
- **EL 355 Literacy in the Content Area (3)**
- **EL 360 Integrated Math, Science, Social Sciences, Health Instruction (3)**
- **EL 410 Differentiated Instruction (3)**
- **EL 420 Assessment & Data Analysis (3)**
- **EL 430 Advanced Field Experience (3)**
- **EL 480 Elementary Education Student Teaching (12)**
- **EN 140 Rhetoric & Critical Thinking (3)**
- **EX 390 Psychology of the Exceptional Child (3)**
- **LI 243 Children’s Literature (3)**
- **MA 128 Numbers & Operations for Educators (4)**
- **MA 285 Geometry and Measurement for Educators (4)**
- **PYF 120 The Child: Development from Conception to Adolescence (3)**
- **SE 320 Techniques of Teaching Science (3)**
- **SE 360 Pedagogy 2: Interdisciplinary Methods for Middle School (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/CH 180/CH 001 Basic Principles of Chemistry (5)**
- **PH 106/PH 006 Physical Concepts (3)**
- **PH 108/PH 008 Explore the Universe (3)**
- **PH 218 Physical Science: A Process Approach (3)**
- **UI 318/018 Earth Science: A Process Approach (3)**

### Additional Requirements:
(These courses may also meet General Education requirements)
- **BS 218 Biological Science: A Process Approach (3)**
- **EC 101 Economic Problems & Policies (3)**
- **EN 100 English Composition I (3)**
- **PH 218 Physical Science: A Process Approach (3)**
- **PS 103 U.S. Political Systems (3)**
- **SC 105 Fundamentals of Oral Communication (3)**
- **UI 308 Physical/Cultural Landscapes of the World (3)**
- **US 105 American History I (3)**

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

### 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

### Critical Courses

Students who score less than 22 on the ACT math subscore must...

## SAMPLE FOUR-YEAR PLAN

<table>
<thead>
<tr>
<th>Course #</th>
<th>Hrs</th>
<th>Course #</th>
<th>Hrs</th>
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<td><strong>FIRST YEAR</strong></td>
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<td><strong>SECOND YEAR</strong></td>
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<td><strong>Fall Semester</strong></td>
<td><strong>Spring Semester</strong></td>
<td><strong>Fall Semester</strong></td>
<td><strong>Spring Semester</strong></td>
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<td>EL 354</td>
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<tr>
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<td><strong>Total</strong> 20</td>
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<td><strong>Total</strong> 18</td>
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### Milestone:
- Maintain 2.75 cumulative GPA, 3.0 GPA in content courses

### Literacy Block
- EL 300
- EL 314
- EL 316
- EL 317
- EL 340
- LI 243
- **Total** 18

### Content Block
- EL 350
- EL 355
- EL 360
- EX 390
- SE 320 or ED 506
- SE 360
- **Total** 18

### Milestone:
- Maintain 2.75 cumulative GPA, 3.0 GPA in content courses; Passing score McGEA or ACT

### Advanced Block

<table>
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<th>Course #</th>
<th>Hrs</th>
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<td>EF 400</td>
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<td>EL 354</td>
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<td>EL 480</td>
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<td>EL 410</td>
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<td>EL 420</td>
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<tr>
<td>EL 430</td>
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<td>SE 320 or ED 506</td>
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<tr>
<td><strong>Total</strong> 16</td>
<td></td>
<td><strong>Total</strong> 13</td>
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</tbody>
</table>

### Milestone:
- Passing score MO Content Exams, and MEEES; 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, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.