CHEMISTRY EDUCATION

Bachelor of Science in Education (BSED)

This is a guide based on the 2025-2026 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

	CURRICULUM CHECKLISI
	es" are italicized and bold. Data shows that students who have completed this course in ars and have earned the noted grade are most likely to complete this program of study.
Profession	nal Education Courses- 47 Hours Required
A grade of 'C'	or higher is required in education courses, with the exception of ED280 which
	de of 'B' or higher.
i oquii oo u giu	
	troduction to Education as a Profession (3)
EF400 St	udent Teaching Seminar (1)
EX390 P	sychology and Education of the Exceptional Child (3)
PY222_P	sychological Development in Adolescence (3)
SE307 K	éading/Ŵriting in the Content Area (3) echniques of Teaching Science (3)
SE320 10	edagogy 1: Principles of Effective Teaching (3)
SE355Fi	eld Experience II (3)
SE365P	eld Experience II (3) edagogy 2: Secondary School (4)
SE380 A	dvanced Field Experience (3)
SE385 Pe	edagogy 3: Advanced Methods of Middle and Secondary Teaching (3)
SE390 In	structional Interventions for Middle and Secondary Students with Special
	teracy Needs (3)
	tudent Teaching (12)
Chemistry	Education – 37-39 Hour Major - No minor required
Required Cou	
	neral Chemistry II (3)
	neral Chemistry II Lab (1)
	indations of Analytical Chemistry (5)
	rganic Chemistry (3)
	undations of Organic Chemistry (4)
	ganic Chemistry Lab I (1)
	undations of Biochemistry (3)
	oductory Physics I (5)
	ientific Reasoning (3)
Choose 3 Hou	
	logy for Living (3)
	logical Science: A Process Approach (3)
	f the following:
	ysical Geology (3)
	B Earth Science: Process Approach (3)
	eanography (3)
	eteorology (4)
	f the following Environmental Science electives:
	eral Ecology (4)
	450 Environmental Chemistry (3)
	ironmental Biology (3)
	cycling & Waste Management (3)
	th Science: Environmental Hazards (4)
	vironmental Geoscience (3)
	thquakes & Society (3)
Additional Re	neral Chemistry I Lab (1)
	neral Chemistry I (3)
	emistry Seminar 1 (1)
	emistry Seminar 2 (2)
	ecalculus A (3)
	plied Calculus (3)
	r · · · · · · · · · · · · · · · · · · ·

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

			Carling Compositor	
	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	1	CH186	3
	EN100	3	CH187	1
	CH184	1	MA116	3
	CH185	3	PY222	3
	CH195	1	General Education	3
	General Education	3	General Education	3
	General Education	3		
	Total	15	Total	16
	BS108 or BS218	3	ED280	3
٩R	CH271/071	5	CH341	4
SECOND YEAR	MA139	3	CH342	1
	General Education	3	PH120/020	5
	General Education	3	Env. Science Elective	3-4
	Total	17	Total	16-17
	Milestone: Admission to the Tea	acher Prepar	ation Program	
THIRD YEAR	CH531	3	CH295	2
	EX390	3	GO110/010 or GO318/018 or GO320 or GO418	3
	PL425	3	SE307	3
R	SE350	3	SE355	3
ТН	General Education	3	SE365	4
			General Education	3
	Total	16	Total	18
	Milestone: Maintain a 3.0 GPA i	in content co	urses and in professional educat	tion courses.
FOURTH YEAR	CH306	3	EF400	1
	SE320	3	SE465	12
	SE380	3		
	SE385	3		
	SE390	3		
	General Education	3		
ш	Total	18	Total	13
	Milestone: Passing score on MC content courses and in profession		ssment, passing score on MEES	, 3.0 GPA in

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.

NOTE: This program meets the educational requirements for professional licensure and/or certification in Missouri. Please consult our State Authorization webpage, to determine information specific to your state: <u>https://app.semo.edu/genl/distancelearningcompliance/DistLearnComp.aspx</u>.





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CHEMISTRY EDUCATION

Bachelor of Science in Education (BSED)

ADMISSION TO THE TEACHER PREPARATION PROGRAM

To be eligible for enrollment in the majority of courses offered by the Teacher Preparation Program and required for a teaching degree (BSE, BSFCSE, BME), students must be admitted to the Teacher Preparation Program (TPP). Applications can be found at https://semo.edu/colleges

departments/education-health/educator-preparation/admission.html. Students should apply for admission to the TPP upon having met the following entrance criteria:

- 42 hours of coursework completed. 1.
- 2 Have a GPA of 2.75 or higher.

b.

- Individual that are below a 2.75, they can meet with the Associate Dean to appeal for a. provisional admission to the Teacher Preparation Program.
 - If the individual is granted admission, they will have to:
 - i. Work with the Associate Dean on a plan to improve their GPA to meet the requirements for graduation/certification.
 - Will be provide a list of support services to help in the process of ii improving their GPA.

OR

Have a previous four-year degree from an accredited college/university or an associate degree from an accredited two-year college.

- The following course requirements met: 3
 - A minimum grade of 'C' in CF/PY120 The Child (Elementary, Early, and Exceptional) а. or PY222 Psychological Development in Adolescence (Middle and Secondary)
 - b. A minimum grade of 'B' in ED280 Introduction to Education as a Profession or ME222 Principles of Teaching Music.
- International students must also have a minimum IELTS score of 7.0, TOEFL score of 95, PTE 4. score of 64, or Duolingo score of 125. This requirement is for non-United States citizens who are not native English speakers. Students from countries where English is known to be the official language of education are exempt from English proficiency verification.

RETENTION IN THE TEACHER PREPARATION PROGRAM

- After admission, students must continue to meet the following requirements for retention in the TPP: Demonstrate continued eligibility for interaction with schoolchildren by completing an MSHP/FBI 1. background check through the use of the MSHP/FBI background check system. (A current
- background check is required for participation in all field and clinical experiences.); 2. Pass all professional education courses with a minimum grade of 'C.' A minimum grade of 'C' must be obtained in all prerequisite courses before a student can be enrolled in subsequent coursework. Students who, after two attempts, have still not earned a minimum grade of 'C' in a particular professional education course will be removed from the Teacher Preparation Program.
- 3. Demonstrate behavior appropriate for teaching professionals. Appeals related to removal from the TPP can be found at https://semo.edu/college -departments/ed cation-health/educatorpreparation/admission.html

GRADUATION REQUIREMENT - A final 3.0 GPA in both pedagogy and content coursework is required for graduation.

TEACHER CERTIFICATION

Upon completion of Southeast's Teacher Preparation Program an individual is eligible to be recommended for a Missouri Teaching Certificate if the student has the following:

- A final 3.0 GPA in both pedagogy and content coursework; 1
- A passing score on the appropriate licensure exam(s) as required by the Missouri Department of 2. Elementary and Secondary Education;
- A passing score on the Teacher Candidate Instrument of the Missouri Educator Evaluation System; 3
- 4. MSHP/FBI background clearance from no earlier than one year prior to the date of the application for certification.

ADDITIONAL NOTES: Regardless of printed program requirements, any changes or additions mandated by the State of Missouri will become effective on the date cited by the regulations.

Students transferring into education programs should be aware of the need to be eligible for admission to the teacher preparation program immediately upon transfer. They should contact the Candidate Status and Certification Officer well in advance of the time of transfer. It is especially important that transfer

students make arrangements for having ACT and/or MoGEA scores transferred to the University.





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Revised