Deactivation Proposal

Date Submitted: 11/03/23 4:45 pm

Viewing: 10KV3918BSLA : Chemistry: Chemistry Teaching Option, BSLAS

Last approved: 02/11/21 7:38 am

Last edit: 12/01/23 1:02 pm

Changes proposed by: Scott Silverman

Catalog Pages Using this Program	Chemistry: Chemistry Teaching, BSLAS

Proposal Type:

In Workflow

1. **U Program Review**
2. **1413 Head**
3. **SOCS Head**
4. **KV Dean**
5. **University Librarian**
6. **COTE Programs**
7. **Provost**
8. **Senate EPC**
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DMI

Approval Path

1. 11/08/23 5:35 pm Donna Butler (dbutler): Approved for U Program Review
2. 11/08/23 6:07 pm Scott Silverman (sks): Approved for 1413 Head
3. 11/08/23 6:08 pm Karla Denzler (denzler): Approved for SOCS Head
4. 11/09/23 4:34 pm Stephen Downie (sdownie): Approved for KV Dean
5. 11/26/23 11:38 am Claire Stewart (clairest): Approved for

University Librarian
6. 11/26/23 9:12 pm Suzanne Lee (suzannel): Approved for COTE Programs
7. 11/30/23 8:51 am Brooke Newell (bsnewell): Approved for Provost

History

1. Mar 30, 2019 by Deb Forgacs (dforgacs)
2. Feb 11, 2021 by Amy Elli (amyelli)

Concentration (ex. Dietetics)

This proposal is for a:
~~Revision~~
Phase Down/Elimination

Administration Details

Official Program Name	Chemistry: Chemistry Teaching Option, BSLAS		
Diploma Title			
Sponsor College	Liberal Arts & Sciences		
Sponsor Department	Chemistry		
Sponsor Name	Scott K. Silverman		
Sponsor Email	sks@illinois.edu		
College Contact	Stephen R. Downie ~~Kelly Ritter~~	College Contact Email	sdownie@illinois.edu ~~ritterk@illinois.edu~~
College Budget Officer			
College Budget Officer Email			

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Term: Spring 2024

Proposal Title (either Establish/Revise/Eliminate the Degree Name in Program Name in the College of XXXX, i.e., Establish the Bachelor of Science in Entomology in the College of Liberals Art and Sciences, include the Graduate College for Grad Programs)

Eliminate the concentration in Chemistry Teaching Option in the Bachelor of Science in Liberal Arts and Sciences in Chemistry in the College of Liberal Arts and Sciences

Does this proposal have any related proposals that will also be revised during the next 6 weeks? Consider Majors, Minors, Concentrations & Joint Programs in your department. Please know that this information is used administratively to move related proposals through workflow efficiently. Example: If you are revising the BS proposal and one related concentration within the next 6 weeks, "This BS proposal (key 567) is related to the Concentration A proposal (key 145)."

Program Justification

Provide a brief description of what changes are being made to the program.

We are eliminating the concentration in Chemistry Teaching Option in the Bachelor of Liberal Arts and Sciences in Chemistry.

Why are these changes necessary?

We are eliminating this teaching option because nearly all students are instead choosing to get the regular Chemistry, BSLAS degree along with the Secondary Education minor. There are no students currently enrolled in the teaching option (Fall 2023). There is no value yet some administrative cost in maintaining an option that is no longer being used by nearly any students. Going forward and building from the 0 enrollment in Fall 2023, all future students will be instructed to use the BSLAS Chemistry major + Secondary Education minor in lieu of the BSLAS Chemistry Teaching option.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does this new program/proposed change result in the replacement of another program?

No

Does the program include other courses/subjects outside of the sponsoring department impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Plan to Assess and Improve Student Learning

Illinois Administrative Code: 1050.30(b)(1)(D) Provision is made for guidance and counseling of students, evaluations of student performance, continuous monitoring of progress of students toward their degree objectives and appropriate academic record keeping.

List the program's student learning outcomes. Each outcome should identify what students are expected to know and/or be able to do upon completing this program.

N/A ~~In addition to campus ICES forms at the end of the semester, we will use a combination of the Classroom Undergraduate Research Experience (CURE) survey and students' interviews to assess and improve student learning.1.The CURE survey (https://www.grinnell.edu/academics/resources/ctla/assessment/cure-survey) is a nationally recognized survey used by many institutions.The survey utilizes questions from pretest at the beginning of the semester and posttest at the end of the semester to assess student learning.The survey is "open source" – any higher education organization or program that has classroom or laboratory components of undergraduate research education can access and freely distribute the survey to students.Having been vetted and utilized nationally, the survey is additionally useful in that a baseline of mean ratings by a reference cohort is reported and contrasted to our institution's results.Yi Lu has used this survey to assess CHEM 199L previously.See Denofrio LA, Russell B, Lopatto D & Lu Y (2007) Mentoring:Linking student interests to science curricula.Science 318:1872-1873.2.Interviews:we will conduct interviews of the students from each course at the end of the semester to assess student's achievement of the stated learning objectives.We will use the results from ICES, CURE, and interviews to improve each syllabus and course content and thus student learning.~~

Describe how, when, and where these learning outcomes will be assessed.

Describe here:

Identify faculty expectations for students' achievement of each of the stated student learning outcomes. What score, rating, or level of expertise will signify that students have met each outcome? Provide rating rubrics as necessary.

Explain the process that will be implemented to ensure that assessment results are used to improve student learning.

Program

Description and Requirements
Attach Documents

Is the career/profession for graduates of this program regulated by the State of Illinois?
No

Program of Study

Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PublicAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

Catalog Page Text - Overview Tab

Description of program for the catalog page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

Course List

Code	Title	Hours
Foundation Courses		
The following courses must be completed or in progress when students apply to the Secondary Education minor.		
Select one group of courses (Accelerated or General Chemistry):		10-12
CHEM 202	Accelerated Chemistry I	
& CHEM 203	and Accelerated Chemistry Lab I	
& CHEM 204	and Accelerated Chemistry II	
& CHEM 205	and Accelerated Chemistry Lab II	
or		
CHEM 102	General Chemistry I	
& CHEM 103	and General Chemistry Lab I	
& CHEM 104	and General Chemistry II	
& CHEM 105	and General Chemistry Lab II	
& CHEM 222	and Quantitative Analysis Lecture	
& CHEM 223	and Quantitative Analysis Lab	
Select one of the following Organic Chemistry course groups:		5-6
CHEM 236	Fundamental Organic Chem I	
& CHEM 237	and Structure and Synthesis	
or		
CHEM 232	Elementary Organic Chemistry I	
& CHEM 233	and Elementary Organic Chem Lab I	
MATH 220	Calculus	4-5
or MATH 221	Calculus I	
MATH 231	Calculus II	3
Additional Required Coursework		
Teacher Education Minor in Secondary School Teaching		39

Code	Title	Hours
CHEM 495	Teaching Secondary Chemistry	4
CHEM 150	First Semester Success in Chemistry 1	1
CHEM 440	Physical Chemistry Principles	4
or CHEM 442	Physical Chemistry I	
At least four additional hours of 300- or 400-level chemistry and/or biochemistry course work.		4
ASTR 100	Introduction to Astronomy	3
GEOL 107	Physical Geology	4
IB 100	Biology in Today's World	3
MATH 241	Calculus III	4
PHYS 211	University Physics: Mechanics	4
PHYS 212	University Physics: Elec & Mag	4
PHYS 214	Univ Physics: Quantum Physics	2

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On- and off-campus transfer students in the BSLAS curriculum may substitute CHEM 152 for CHEM 150. Alternatively, transfer students may elect to take an additional 1 hour of 200 level or higher Chemistry, including CHEM 297, 397, 496, 497, or 499 as long as no more than 10 total hours of the total 22-26 required Chemistry hours come from CHEM 297, CHEM 397, CHEM 496, CHEM 497, CHEM 499.

Program Relationships

Corresponding Program(s):

Corresponding Program(s)
Chemistry, BSLAS

Program Features

Academic Level: Undergraduate

Is This a Teacher Certification Program?

Yes

Will specialized accreditation be sought for this program?

No

Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Phase Down/Elimination Enrollment

Does this program currently have enrollment? No

Describe how this revision or phase down/elimination will impact enrollment and degrees awarded. If this is an elimination/phase down proposal include the plans for the students left in the program.

There are no students left in the program.

Number of Students in Program (estimate)

Year One Estimate	5th Year Estimate (or when fully implemented)

Budget

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

Additional Budget Information

~~We have used unpaid peer mentors in the teaching of both CHEM 199FY (150) and CHEM 199L (152).Because the peer mentors receive course credit for their role, there is no budget impact in that regard.The use of unpaid peer mentors will continue for both CHEM 150 and CHEM 152.The teaching of CHEM 199L has involved both graduate TAs and undergraduate student hourly TAs, and this will continue with the course formally offered as CHEM 152.There will likely be a slight increase in the graduate TA usage (e.g., from 0.75 FTE per semester to 1.0 FTE per semester), to accommodate the increased enrollment due to the now-required nature of CHEM 152.~~

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

~~The primary recurring financial impact on the Department of Chemistry will be the slight increase in the graduate TA usage (e.g., from 0.75 FTE per semester to 1.0 FTE per semester), to accommodate the increased enrollment due to the now-required nature of CHEM 152.This is a relatively small financial burden in the context of Chemistry's overall TA budget.~~

Will the unit need to seek campus or other external resources?

No

Attach letters of support

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc.

No impact on faculty resources.

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

No impact on library resources.

EP Documentation

EP Control Number	EP.24.052
Attach Rollback/Approval Notices	
This proposal requires HLC inquiry	No

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	BSLAS:Chemistry:Teach Op-UIUC
Program Code:	10KV3918BSLA

Minor Code	Conc Code		Degree Code		Major Code
0335		3918		BSLAS	

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	

DOE Approval Date	
Effective Date:	
Attached Document	
Justification for this request	
Program Reviewer Comments	**Brooke Newell (bsnewell) (11/02/23 8:35 am):** Rollback: Email sent to Scott, Stephen and Andrea **Nolan Miller (nmiller) (01/29/24 11:29 am):** The minor referred to in this proposal is Teacher Education in Secondary School Teaching Minor, key 463.

Key: 692