

Deactivation Proposal

Date Submitted: 10/29/21 1:02 pm

Viewing: **10KS0337PHD : Chemical
Physics, PhD**

Last edit: 02/10/22 3:49 pm

Changes proposed by: Scott Silverman

[Chemical Physics, PhD](#)

Catalog Pages
Using this
Program

Proposal Type:

In Workflow

1. U Program Review
2. 1413 Head
3. 1244 Head
4. KP Committee Chair
5. KP Dean
6. SOCS Head
7. KV Dean
8. University Librarian
9. Grad_College
10. Provost
11. Senate EPC
12. Senate
13. U Senate Conf
14. Board of Trustees
15. IBHE
16. HLC
17. DMI

Approval Path

1. 10/29/21 4:16 pm
Deb Forgacs (dforgacs):
Approved for U Program Review
2. 10/29/21 4:16 pm
Scott Silverman (sks): Approved for 1413 Head
3. 10/29/21 4:18 pm
S. Lance Cooper (slcooper):
Approved for 1244 Head
4. 12/07/21 4:27 pm
Keri Pipkins (kcp):
Approved for KP Committee Chair
5. 12/08/21 8:22 am
Candy Deaville

- (candyd):
Approved for KP
Dean
- 6. 12/08/21 8:31 am
Karla Denzler
(denzler):
Approved for
SOCS Head
- 7. 12/08/21 1:24 pm
Stephen Downie
(sdownie):
Approved for KV
Dean
- 8. 12/08/21 1:28 pm
John Wilkin
(jpwilkin):
Approved for
University
Librarian
- 9. 02/03/22 2:08 pm
Allison McKinney
(agrindly):
Approved for
Grad_College
- 10. 02/03/22 4:18 pm
Kathy Martensen
(kmartens):
Approved for
Provost

Major (ex. Special Education)

This proposal is
for a:

[Phase Down/Elimination](#)

Administration Details

Official Program Name	Chemical Physics, PhD
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Chemistry
Sponsor Name	<u>Catherine J. Murphy</u>
Sponsor Email	<u>murphycj@illinois.edu</u>
College Contact	<u>Stephen R. Downie</u>

College Contact
Email

sdownie@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.*

[Scott K. Silverman, Associate Head of Budget and Operations, Department of Chemistry \(sks@illinois.edu\)](#)

Does this program have inter-departmental administration?

[Yes](#)

Interdisciplinary Colleges and Departments (list other colleges/departments which are involved other than the sponsor chose above)

Please describe the oversight/governance for this program, e.g., traditional departmental/college governance. Inclusion of/roles of elected faculty committees? Inclusion of/roles of any advisory committees.

[See justification](#)

College [Grainger College of Engineering](#)

Department [Physics](#)

Is there an additional department involved in governance?

[No](#)

Proposal Title

Effective Catalog Term Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Eliminate the Chemical Physics PhD program

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

The Chemical Physics PhD program, administered jointly by the Department of Chemistry and Department of Physics, was functionally discontinued in Fall 2017. Currently there are no students in the program. With approval by the campus Senate, we formally suspended admission to the program in February 2021, and after further deliberation we now propose to eliminate the program altogether. Enrollment in the Chemical Physics PhD program was always low, and PhD students are served equally well or better by being in either the regular Chemistry PhD program or Physics PhD program. Our peer institutions lack an equivalent program, so we will not be at a competitive disadvantage after the proposed elimination.

We have obtained formal approval from the Department of Chemistry's Courses and Curricula Committee for eliminating the Chemical Physics PhD program.

We have obtained formal approval from the Department of Physics for eliminating the Chemical Physics PhD program. Email with this approval sent to Stephen Downie of LAS.

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?

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

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

N/A

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/PrivateAdminRules2017.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.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Catalog Page Text - Overview Tab

Text for Overview tab on 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

Entering with approved M.S./M.A. degree

Course List

Code	Title	Hours
Required courses		20
CHEM 599	Thesis Research (min 0 applied toward degree)	0
Total Hours		64

Other Requirements¹

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
Qualifying Exam Required	Yes
Preliminary Exam Required	Yes
Original Research Proposal	Yes
Final Exam/Dissertation Defense Required	Yes
Dissertation Deposit Required	Yes
Minimum GPA:	3.0

1

For additional details and requirements refer to the department's [Graduate Programs](#) and the [Graduate College Handbook](#).

Entering with approved B.S./B.A. degree

Course List

Code	Title	Hours
Required courses		20
CHEM 599	Thesis Research (0 min applied toward degree)	0
Total Hours		96

Other Requirements¹

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
Qualifying Exam Required	Yes
Preliminary Exam Required	Yes
Original Research Proposal	Yes
Final Exam/Dissertation Defense Required	Yes
Dissertation Deposit Required	Yes
Minimum GPA:	3.0

1

For additional details and requirements refer to the department's [Graduate Programs](#) and the [Graduate College Handbook](#).

Corresponding Degree PhD Doctor of Philosophy

Program Features

Academic Level Graduate

Does this major have transcribed concentrations?

[No](#)

What is the typical time to completion of this program?

[N/A](#)

What are the minimum Total Credit Hours required for this program?

[N/A](#)

What is the required GPA?

[N/A](#)

CIP Code 400508 - Chemical Physics.

Is This a Teacher Certification Program?

[No](#)

Will specialized accreditation be sought for this program?

[No](#)

Delivery Method

This program is available:

[On Campus - Students are required to be on campus, they may take some online courses.](#)

Institutional Context

University of Illinois at Urbana-Champaign

Describe the historical and university context of the program's development. Include a short summary of any existing program(s) upon which this program will be built.

Explain the nature and degree of overlap with existing programs and, if such overlap exists, document consultation with the impacted program's home department(s).

University of Illinois

State of Illinois

Indicate which of the following goals of the Illinois Board of Higher Education's Strategic Initiative are supported by this program: (choose all that apply)

Describe how the proposed program supports these goals.

Admission Requirements

Desired Effective Fall 2022

Admissions Term

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

N/A

Describe how critical academic functions such as admissions and student advising are managed.

N/A

Enrollment

List the prerequisites including course titles and number of credit hours for each prerequisite course, and whether or not these prerequisites count in the total hours required for the minor.

Number of Students in Program (estimate)

Describe how this revision will impact enrollment and degrees awarded.

There are no students currently in this program. No impact.

Year One Estimate

5th Year Estimate (or when fully implemented)

Estimated Annual Number of Degrees Awarded

Year One Estimate

5th Year Estimate (or when fully implemented)

What is the matriculation term for this program?

Fall

Budget

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

No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

N/A

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

No

Attach letters of support

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Are you seeking a change in the tuition rate or differential for this program?

No

Is this program requesting self-supporting status?

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact.

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.

EP Documentation

EP Control
Number

EP.22.100

Attach
Rollback/Approval
Notices

[ep22100_response_from_sponsor_20220210.pdf](#)

[ep22100_Letter_of_Support_for_Elimination_of_ChemPhysics
PhD_20220210.pdf](#)

[ep22100_email_to_sponsor_20220210.pdf](#)

This proposal
requires HLC
inquiry

No

DMI Documentation

Attach Final
Approval Notices

Banner/Codebook
Name

PHD:Chemical Physics -UIUC

Program Code:

10KS0337PHD

Minor Code 0337	Conc Code	Degree Code	PHD	Major Code
-----------------------	--------------	----------------	-----	---------------

Senate Approval
Date

Senate
Conference
Approval Date

BOT Approval
Date

IBHE Approval
Date

HLC Approval
Date

Effective Date:

Attached
Document
Justification for
this request

Program Reviewer
Comments



COLLEGE OF LIBERAL ARTS & SCIENCES

Department of Chemistry
1026 Chemistry Annex, MC-712
601 S. Mathews Ave.
Urbana, IL 61801-3602

Friday, October 29th, 2021

Dear Professor Silverman:

The Courses and Curricula Committee reviewed the materials related to the elimination of the Chemical Physics Ph.D. program, and support the justification and recommendation you provided to terminate the program.

Sincerely,

A handwritten signature in black ink that reads 'Tina H. Huang'.

Tina H. Huang
Chair, Courses and Curricula Committee
On behalf of committee members:
H. Han,
M. Koerner
J. Moore

From: [Pahre, Jennie](#)
To: [Downie, Stephen R](#); [Murphy, Catherine Jones](#)
Cc: [Lehman, Barbara J](#); [Martensen, Kathy](#); [Moorhouse, Linda](#); [Silverman, Scott K](#)
Subject: Re: EP 22.100: Proposal to Deactivate PhD in Chemical Physics -- supporting Documents
Date: Thursday, February 10, 2022 2:11:23 PM

Stephen,
Thank you for your lightening-fast response -- and yes, these are precisely what we needed.
I will present the deactivation proposal on Monday.

All best,
Jennie

JENNIFER N. PAHRE

Teaching Associate Professor and Director of Undergraduate Studies

College of Law

University of Illinois Urbana-Champaign

202 Law Building | M/C 594

Champaign, IL 61820

217.333.0712 | jpahre@illinois.edu

www.law.illinois.edu



Under the Illinois Freedom of Information Act any written communication to or from university employees regarding university business is a public record and may be subject to public disclosure.

From: Downie, Stephen R <sdownie@illinois.edu>
Sent: Thursday, February 10, 2022 2:07 PM
To: Pahre, Jennie <jpahre@illinois.edu>; Murphy, Catherine Jones <murphyjcj@illinois.edu>
Cc: Lehman, Barbara J <bjlehman@illinois.edu>; Martensen, Kathy <kmartens@illinois.edu>; Moorhouse, Linda <moorhouz@illinois.edu>; Silverman, Scott K <sks@illinois.edu>
Subject: Re: EP 22.100: Proposal to Deactivate PhD in Chemical Physics -- supporting Documents

Dear Jennie,

Please let me forward to you these letters myself. Scott Silverman (copied here) provided them to me some time ago and I hope these are the ones you are seeking. If not, Scott can help obtain them.

Cheers,
Stephen

On 2/10/22 1:53 PM, Pahre, Jennie wrote:

Dear Professor Murphy,

I hope that your week is winding down well.

I am the chair of subcommittee A of the University's Senate Educational Policy Committee. The proposal you are sponsoring to deactivate the PhD in Chemical Physics has come to my subcommittee for review. This proposal looks to be in good order -- no students are currently enrolled, and it appears that the substantive content of this PhD will be better handled through enrollment in the Chemistry PhD or the Physics PhD. You've stepped carefully down the path to deactivate so as not to cause enrolled students any difficulties.

The subcommittee has just one question: the proposal mentions that the Departments of Chemistry and Physics have assented to the deactivation, and also references letters from those departments. But they are not attached. Could you send them on? We will take assent in any format (emails are great). Once we've got those, we'll be all set. Ideally, I'd like to present your proposal at our next meeting, this coming Monday.

(Finally -- I see from your profile that you will out until this weekend, so I am copying Professor Downie, in the event that he can help.)

Please let me know if you have any questions, and thank you.

All best,

Jennie

JENNIFER N. PAHRE

Teaching Associate Professor and Director of Undergraduate Studies

College of Law

University of Illinois Urbana-Champaign

202 Law Building | M/C 594

Champaign, IL 61820

217.333.0712 | jpahre@illinois.edu

www.law.illinois.edu



Under the Illinois Freedom of Information Act any written communication to or from university employees regarding university business is a public record and may be subject to public disclosure.

--

STEPHEN R. DOWNIE

Interim Associate Dean for Curricula and Academic Policy

College of Liberal Arts and Sciences

University of Illinois Urbana-Champaign

2070 Lincoln Hall

702 S Wright St | M/C 448

Urbana, IL 61801

217.333.1350 | sdownie@illinois.edu

sib.illinois.edu/profile/sdownie



Under the Illinois Freedom of Information Act any written communication to or from university employees regarding university business is a public record and may be subject to public disclosure.

From: [Cooper, S Lance](#)
To: [Girolami, Gregory S](#); [Grosse Perdekamp, Matthias](#)
Cc: [Murphy, Catherine Jones](#); [Silverman, Scott K](#); [Jain, Prashant](#); [Gruebele, Martin H W](#)
Subject: Re: 2021 APEER Report for Chemical Physics, PhD
Date: Tuesday, October 19, 2021 9:45:06 AM

Dear Greg,

Yes, this plan is OK with us.

Best,

Lance

From: Girolami, Gregory S <ggirolam@illinois.edu>
Sent: Tuesday, October 19, 2021 9:35 AM
To: Grosse Perdekamp, Matthias <mgp@illinois.edu>; Cooper, S Lance <slcooper@illinois.edu>
Cc: Murphy, Catherine Jones <murphycj@illinois.edu>; Silverman, Scott K <sks@illinois.edu>; Jain, Prashant <jain@illinois.edu>; Gruebele, Martin H W <mgruebel@illinois.edu>
Subject: FW: 2021 APEER Report for Chemical Physics, PhD

Dear Drs. Perdekamp and Cooper:

I am writing to you in my role as Director of Graduate Studies for the Chemistry Department.

In 2018-19, the Chemistry and Physics departments agreed to halt admissions to the joint Chemical Physics PhD degree program, with the understanding that the program would be terminated once all Chemical Physics PhD students had graduated or transferred over to the Chemistry or Physics PhD programs. The rationale was that demand was always small, and similar programs are not generally available at peer universities, so we would lose no competitive edge. In 2019, a 5-year "suspension of admission" request was submitted to and approved by the Senate. We have now reached the point where no students on Chemistry's side remain in the Chemical Physics program. Accordingly, we plan to notify LAS and the Senate of our desire to terminate the Chemical Physics program now rather than waiting for the end of the 5-year suspension period. I am writing to let you know of our intention; as far as I can tell, this degree option no longer appears on your website.

Please let us know if you agree with this action; if we do not hear from you we will assume you are on board.

Thanks, and best wishes,

Greg

Gregory S. Girolami
Lycan Professor of Chemistry

Director of Graduate Studies for Chemistry
Beckman Institute Affiliate
University Scholar

Department of Chemistry
University of Illinois at Urbana-Champaign
600 South Mathews Ave
Urbana, IL 61801

tel (research office): 217-333-2729
fax (research office): 217-244-3186

Begin forwarded message:

From: Stephen Downie <sdownie@illinois.edu>
Subject: 2021 APEER Report for Chemical Physics, PhD
Date: October 18, 2021 at 1:30:00 PM CDT
To: murphycj@illinois.edu
Cc: "Ray, Andrea Lynne" <aray@illinois.edu>, vddonk@illinois.edu

Dear Catherine,

It is time for the annual updating of information for IBHE's Academic Program Efficiency and Effectiveness Report (APEER) and I am asking for a review of your program's performance. The attached spreadsheet shows that the **Chemical Physics, PhD** degree falls below the enrollment and degree conferral thresholds.

Please input (or provide me in an email response) the 2021 APEER status (in highlighted column T) and a 1-3 sentence explanatory note (in highlighted column U).

The status choices are:

- 1. Sunset.** A teach out period is established and no new or transfer students are admitted.
- 2. Consolidation.**
- 3. Redesign.** Further redesign and program changes will be applied to remediate performance; the program will be reviewed in _____ years. [Provide number of years; the planned year for the review should also be indicated.]
- 4. Justification.** (a) Good Standing/Review in _____ years. [Provide number of years; the planned year for the review should also be indicated]. (b) Strong institutional justification and no further action.
- 5. Priority review.** The program is placed under priority review to best determine the appropriate status. One of the outcomes (listed above) will be identified after the review is completed.

Previously, an approved "suspension of admission" form was submitted to the Senate. When will the next steps be taken toward the phasedown indicated in 2019?

May I have your response no later than **Friday, Oct 29th**? I'll need to have all data to the Provost's office by the following week.

If you have questions, please let me know.

Cheers,
Stephen

--

STEPHEN R. DOWNIE

Interim Associate Dean for Curricula and Academic Policy

College of Liberal Arts and Sciences
University of Illinois Urbana-Champaign
2070 Lincoln Hall
702 S Wright St | M/C 448
Urbana, IL 61801
217.333.1350 | sdownie@illinois.edu
sib.illinois.edu/profile/sdownie



Under the Illinois Freedom of Information Act any written communication to or from university employees regarding university business is a public record and may be subject to public disclosure.

