

# Deactivation Proposal

Date Submitted: 11/10/22 12:29 pm

## Viewing: **1PKS5544MENG & 1PKS5544MENU : Bioengineering: Computational Genomics, MEng (on campus & online)**

Last approved: 03/31/22 3:21 pm

Last edit: 02/07/23 12:33 pm

Changes proposed by: Maddie Darling

[Bioengineering: Computational Genomics, MEng](#)

Catalog Pages  
Using this  
Program

Proposal Type:

### In Workflow

1. U Program Review
2. 1343 Head
3. KP Committee Chair
4. KP Dean
5. University Librarian
6. Grad\_College
7. Provost
8. Senate EPC
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DOE
15. DMI

### Approval Path

1. 11/10/22 1:57 pm  
Deb Forgacs (dforgacs):  
Approved for U Program Review
2. 11/10/22 2:37 pm  
Mark Anastasio (maa): Approved for 1343 Head
3. 11/29/22 1:42 pm  
Keri Pipkins (kcp): Approved for KP Committee Chair
4. 11/29/22 1:47 pm  
Cindy Pruitt (cpruitt): Approved for KP Dean
5. 11/29/22 2:03 pm  
John Wilkin (jpwilkin): Approved for

- University Librarian
- 6. 02/01/23 3:33 pm  
Allison McKinney (agrindly):  
Approved for Grad\_College
- 7. 02/07/23 11:27 am  
Brooke Newell (bsnewell):  
Approved for Provost

### History

1. Jul 17, 2019 by Deb Forgacs (dforgacs)
2. Mar 31, 2022 by Emily Stuby (eastuby)

Concentration (ex. Dietetics)

This proposal is for a:

**Revision**

[Phase Down/Elimination](#)

## Administration Details

Official Program Name	Bioengineering: Computational Genomics, MEng (on campus & online)	
Diploma Title		
Sponsor College	Grainger College of Engineering	
Sponsor Department	Bioengineering	
Sponsor Name	<u><a href="#">Mark Anastasio, Maddie Darling</a></u> <del>Mark Anastasio</del>	
Sponsor Email	<u><a href="mailto:maa@illinois.edu">maa@illinois.edu</a></u> , <u><a href="mailto:darling4@illinois.edu">darling4@illinois.edu</a></u> <del>maa@illinois.edu</del>	
College Contact	Keri Carter Pipkins	College Contact Email
	<a href="mailto:kcp@illinois.edu">kcp@illinois.edu</a>	
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.

[Maddie Darling-BIOE \(darling4@illinois.edu\)](mailto:darling4@illinois.edu), [Keri Carter Pipkins-GCOE \(kcp@illinois.edu\)](mailto:kcp@illinois.edu)

Does this program have inter-departmental administration?

No

## Proposal Title

Effective Catalog Term      Fall 2023

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 Computational Genomics in Bioengineering in the Master of Engineering in Engineering in the Grainger College of Engineering and the Graduate College

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.

Eliminating the computational genomics concentration from the on campus and online MENG BIOE programs

Why are these changes necessary?

Due to lack of faculty resources to teach the core classes required under the computational genomics concentration under the M.Eng. degree umbrella, we temporarily suspended admission to this concentration last year. In reviewing the department's faculty hiring plan, there is not a focus on adding faculty in this area. The proposal to terminate this concentration was approved by the committee during the 10/21/22 M.Eng. Advisory Committee meeting, a letter is attached.

The program was only offered 1 year (AY 2017-18). 10 applications were received, 8 enrolled, and 7 graduated. One student dropped out of the program after the 1st semester, 6 students graduated in May 2018, and the final student graduated in Fall 2019.

## 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.

Not applicable

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 [MEng Concentrations Letter.pdf](#)  
 Description and Requirements [MEng advisory committee meeting notes - oct212022.pdf](#)  
 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		Hours
Code	Title	
Core Concentration		18
Technical Coursework from approved list		
Business Coursework from approved list		
Elective Courses chosen in consultation with advisor		8
Professional Development from approved list		6
Total Hours		32

### Other Requirements

Code	Course List Title	Hours
	Minimum 500-level hours required overall:	12
	Minimum GPA:	3.0
	Minimum credit hours taken from the University of Illinois at Urbana-Champaign campus:	20
	Maximum number of previous University of Illinois at Urbana-Champaign graduate-level coursework not applied to any other degree that may be transferred and applied to the major pending department and Graduate College approval	12

## Program Relationships

Corresponding  
 Program(s):

Corresponding Program(s)
Bioengineering, MEng

## Program Features

Academic Level      Graduate

Is This a Teacher Certification Program?

No

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 and Online - 2 program types. Students can receive the entire program either on campus or online. Students can choose to take courses in either modality.

Describe the use of this delivery method:

offered on campus & online

## 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.

## 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.

No students are enrolled in the concentration.

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

Attach File(s)

## Financial Resources

How does the unit intend to financially support this proposal?

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

No

Attach letters of support

Is this program requesting self-supporting status?

No

## Faculty Resources

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

There will be 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.

There will be no impact on library collections, resources and services.

## EP Documentation

EP Control Number

EP.23.036

Attach Rollback/Approval Notices

This proposal requires HLC inquiry

No

## DMI Documentation

Attach Final Approval Notices

Banner/Codebook

MENG:Bioeng:Comp Genomics-UIUC & MENG:Bioeng:Comp Gen Onl -UIUC

Name  
Program Code: 1PKS5544MENG & 1PKS5544MENU  
Minor Conc 5544 Degree Major  
Code Code Code Code Code

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 **Brooke Newell (bsnewell) (11/07/22 10:36 am)**: Rollback: Please provide letter  
Comments as attachment in Program of Study section or remove mention in justification.

October 27, 2022

Mark Anastasio  
Donald Biggar Willett Professor in Engineering  
Head, Department of Bioengineering

Dear Mark,

I am writing in my capacity as the Chair of the Master of Engineering Advisory Committee to notify you that the committee voted to permanently remove the computational genomics concentration (1PKS5544MENG and 1PKS5544MENU for online) and pharmaceutical engineering concentration (1PKS5860MENG & 1PKS5860MENU for online).

These two concentrations were already temporarily suspended while we considered possible ways to keep them in the program. The Advisory Committee has now voted to permanently suspend both concentrations since the courses in the concentration are not in alignment with current faculty expertise nor planned departmental hiring areas.

Please find attached the minutes from our meeting.

Sincerely,



Jennifer "Jenny" Amos  
Teaching Professor  
Laura Hahn Faculty Scholar  
Director, Master of Engineering in Bioengineering

## Bioengineering M.Eng. Advisory Committee

	Date: Oct 21, 2022	Start: 12pm	Finish: 1:15pm
	Location: Zoom		
Members Present: Jenny Amos, Joe Bradley, Michael Insana, Autumn Goodrum and Liezl Bowman			

AGENDA ITEMS Topic, Discussion Leader:	DISCUSSION HIGHLIGHTS:	ACTION ITEMS & DELIVERABLES	ACCOUNTABILITY Person Responsible
<i>Permanently sunset the computational genomics and pharmaceutical engineering concentrations under the M.Eng. degree umbrella</i>	<ul style="list-style-type: none"> <li>Due to lack of faculty resources to teach the core classes required under the computational genomics and pharmaceutical engineering concentrations under the M.Eng. degree umbrella, we temporarily suspended admission to these concentrations last year.</li> </ul> <p>In reviewing the department's faculty hiring plan, it does not look like there is focus on adding faculty in these two areas. The proposal to permanently sunset these two concentrations were approved by the committee.</p>	<ul style="list-style-type: none"> <li>Work with Maddie Darling to submit formal proposal to sunset these two concentrations</li> </ul>	<ul style="list-style-type: none"> <li>Bowman</li> </ul>