

Deactivation Proposal

Date Submitted: 11/10/22 12:28 pm

Viewing: **1PKS5860MENG & 1PKS5860MENU : Bioengineering: Pharmaceutical Engineering, MEng (On campus & Online)**

Last approved: 03/31/22 3:25 pm

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

Changes proposed by: Maddie Darling

[Bioengineering: Pharmaceutical Engineering, 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 1:49 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. Sep 13, 2019 by

Rhonda McElroy

(rmcelroy)

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: Pharmaceutical Engineering, MEng (On campus & Online)
Diploma Title	
Sponsor College	Grainger College of Engineering
Sponsor Department	Bioengineering
Sponsor Name	<u>Mark Anastasio, Maddie Darling</u> Mark Anastasio
Sponsor Email	<u>maa@illinois.edu</u> , <u>darling4@illinois.edu</u> maa@illinois.edu
College Contact	Keri Carter Pipkins
College Contact Email	kcp@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.

[Maddie Darling, darling4@illinois.edu](mailto:maddie.darling4@illinois.edu), [Keri Carter Pipkins \(kcp@illinois.edu\)](mailto:keri.carter@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 Pharmaceutical Engineering 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.

We are eliminating the pharmaceutical engineering concentration from the MENG in bioengineering programs.

Why are these changes necessary?

Due to lack of faculty resources to teach the core classes required under the pharmaceutical engineering 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 has never accepted applications. Thus, there are 0 students enrolled and 0 graduates.

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.

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.

Master of Engineering in Bioengineering

bioemeng.illinois.edu

Interim Head of Department: Michael Insana

Faculty Director of the M.Eng. Programs: Dipanjan Pan

Academic Program Contacts: Liezl Bowman (Program Coordinator)

1102 Everitt Laboratory

1406 W. Green St.

Urbana, IL 61801

(217) 333-1867

E-mail: liezlb@illinois.edu

Major: Bioengineering

Degrees Offered: MEng

Concentration: Bioinstrumentation, Computational Genomics, General Bioengineering, and Pharmaceutical Engineering

Graduate Degree Programs

The M.Eng. in Bioengineering is designed to bridge the skills gap by developing students with advanced technical know-how, a better understanding of the medical healthcare industry and more business acumen through coursework and project work, which provides students exposure to real world industry issues. For more information, visit bioemeng.illinois.edu.

Admission

Students must select one of the concentrations under the M.Eng. in Bioengineering program to apply to and will not be able to complete multiple concentrations. Students should have an undergraduate degree in an engineering or a science related field or must have taken engineering or science related coursework. Applicants should have a minimum grade point average of 3.00 (A = 4.00) or equivalent for the last two years of undergraduate study and show evidence of strong quantitative skills and of serious interest in the life sciences through their personal statement. Students with less than a 3.0 GPA may be considered for a limited status admission. Students in the program do not have automatic admission to the Ph.D. program in any engineering department. All applicants whose native language is not English must submit a minimum TOEFL score of 103 (iBT), 257 (CBT), or 613 (PBT); or minimum International English Language Testing System (IELTS) academic exam scores of 7.0 overall and 6.0 in all subsections. Applicants may be exempt from the TOEFL if certain criteria are met. Applicants with lesser scores may still apply. Limited status is granted for lesser scores and requires enrollment in English as a Second Language (ESL) courses based on an ESL Placement Test (EPT) taken upon arrival to campus.

Financial Aid

The tuition and fees for the M.Eng. in Bioengineering are the standard Graduate and Professional Programs rates for the College of Engineering, plus a \$2000 program fee.

For tuition information and external funding resources, please visit bioemeng.illinois.edu. Students in the M.Eng. in Bioengineering program are not eligible for tuition-waiver generating assistantships.

Statement for
Programs of
Study Catalog

Course List
Title

Hours

Code		
Core Coursework		
Complete the required courses in each of the following areas below.		
Technical courses from approved list.		10
Business courses from approved list.		8
Elective Courses chosen in consultation with advisor.		8
Professional Development courses from approved list.		6
Total Credit Hours		32
Other Requirements and Conditions (may overlap):		
A minimum of 20 credit hours must be taken from the University of Illinois at Urbana-Champaign campus.		
A minimum of 12 500-level credit hours overall.		
At most, 12 credit hours of previous University of Illinois Urbana-Champaign graduate-level coursework not applied to any other degree may be transferred and applied to the major pending department and Graduate College approval.		
Minimum GPA:		3.0

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

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 No
currently have
enrollment?

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 currently enrolled in the pharmaceutical engineering MENG 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?

Yes

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

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.23.037

Attach Rollback/Approval Notices

This proposal requires HLC inquiry No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name MENG:Bioengr:Pharm Engr - UIUC & MENG:Bioengr:Pharm Engr - UIUC

Program Code: 1PKS5860MENG & 1PKS5860MENU

Minor Code	Conc Code	5860	Degree Code	MENGR	Major Code
0408					

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 move
Comments attachments to Program of Study section

Key: 551

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"> 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. <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"> Work with Maddie Darling to submit formal proposal to sunset these two concentrations 	<ul style="list-style-type: none"> Bowman