

## Deactivation Proposal

Date Submitted: 12/15/22 6:15 pm

Viewing: **10KP5373BS and  
10KS5373MENG : JP: Materials  
Science & Engineering, BS and  
Materials Engineering, MEng**

Last approved: 12/15/22 3:16 pm

Last edit: 03/13/23 1:13 pm

Changes proposed by: Keri Pipkins

Proposal Type:

### In Workflow

1. U Program Review
2. 1919 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. 12/19/22 8:41 am  
Emily Stuby  
(eastuby):  
Approved for U  
Program Review
2. 12/19/22 11:33  
pm  
Nancy Sottos (n-  
sottos): Approved  
for 1919 Head
3. 01/24/23 12:49  
pm  
Keri Pipkins (kcp):  
Approved for KP  
Committee Chair
4. 01/24/23 1:29 pm  
Cindy Pruitt  
(cpruitt):  
Approved for KP  
Dean
5. 01/25/23 2:46 pm  
Chris Prom

(prom): Approved  
for University  
Librarian

6. 03/02/23 10:09  
am

Allison McKinney  
(agrindly):  
Approved for  
Grad\_College

7. 03/08/23 2:15 pm  
Brooke Newell  
(bsnewell):  
Approved for  
Provost

## History

1. Jun 20, 2019 by  
Deb Forgacs  
(dforgacs)
2. Dec 14, 2022 by  
Mary Lowry  
(lowry)
3. Dec 15, 2022 by  
Deb Forgacs  
(dforgacs)

Joint Program (ex. Master of Public Health & PhD. in Community Health)

This proposal is  
for a:

**Revision**

[Phase Down/Elimination](#)

## Administration Details

Official Program Name	JP: Materials Science & Engineering, BS and Materials Engineering, MEng	
Diploma Title		
Sponsor College	Grainger College of Engineering	
Sponsor Department	Materials Science & Engineering	
Sponsor Name	Dallas Trinkle	
Sponsor Email	dtrinkle@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.

Does this program have inter-departmental administration?

No

## Proposal Title

Effective Catalog Term      Fall 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 Joint Program in the Bachelor of Science in Materials Science and Engineering and the Master of Engineering in Materials 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)."

Yes. This phase/down elimination proposal is related to the proposal to suspend admission to the 10KS1434MENG : Materials Engineering, MEng program (key 385)

## Program Justification

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

We request to terminate the joint-program 10KP5373BS and 10KS5373MENG: JP: Materials Science & Engineering, BS and Materials Engineering, MEng because it has never had a student in the program nor received an application.

There will be zero negative impact on prospective students, as the M.Eng. in Materials Engineering program is formally suspending admissions and has not been advertised.

Why are these changes necessary?

The Grainger College of Engineering programs have recognized that because undergraduate students who are interested in M.Eng. programs will still have the option to pursue program and transfer up to 12 credit hours to the MEng degree (in alignment with the Graduate College transfer credit policy), there is no benefit to pursuing a BS/M.Eng. degree, in which neither degree is awarded until both are complete. M.Eng. degrees are typically 32 credit hours and completable within 2-3 terms. Thus, students can complete their B.S. and still pursue an M.Eng. in the same amount of time as completing a joint degree.

## 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.

1. The ability of students to function as independent scientists and engineers.
2. A deep understanding of the underlying principles of the appropriate theories in their subject area.
3. A deep understanding of the underlying principles of the synthesis and preparation of their subject materials.
4. A deep understanding of the underlying principles of characterization of their subject materials.
5. A deep understanding of the underlying principles of processing of their subject materials.
6. A deep understanding of interrelationships of structure, processing and properties of their subject materials.
7. A broad knowledge of the preparation, characterization and processing of all types of materials.

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

#### **B.S. Component (120 hours)**

Same required courses as the traditional B.S. degree with minimum hours reduced to

120 hours

The reduction of 8 credit hours includes:

5 hours of free electives.

3 hours of the area specialty course in a different area (the latter becomes part of M.Eng. program requirements)

At least one semester (or 2 summers) devoted to an industrial internship or co-op.

It is strongly suggested that the student take 2 courses in some aspect of business, economics, environmental studies, labor and industrial relations, technology entrepreneurship or technology and management as the elective component of their Liberal Education requirements. Partial or complete fulfillment of the Technology and Management or Business minor or the Technology Commercialization Certificate is recommended for those admitted by application if available hours permit. The students are expected to complete, during the combined program, at least 10 hours of courses in the areas of business, technology management and/or entrepreneurship from an approved list (available from the department), with additional hours recommended. It is noted that since receipt of the B.S. degree is delayed until the requirements for the M. Eng are completed, the student has the opportunity to complete the

undergraduate minors while taking the M. Eng requirements.

Overall GPA of 3.00 maintained through completion of B.S. component of the program and minimum residency requirements satisfied.

**M.Eng. Component (32 additional hours of coursework)**

Identical to the current M.Eng. in Materials Engineering. A total of 36 hours are required.

Satisfy Illinois' graduate student minimum residence requirement.

Overall GPA of 3.00 must be maintained through completion of M.Eng. component of the program.

## Program Relationships

Identify the existing programs to be joined:

Corresponding Program(s)
Materials Science & Engineering, BS
Materials Engineering, MEng

## Program Features

Academic Level      Undergraduate  
                                 Graduate

What is the typical time to completion of this program?  
5 years

What are the minimum Total Credit Hours required for this program?  
156

What is the required GPA?      3.0

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.

## Admission Requirements

Desired Effective Admissions Term

Is this revision a change to the admission status of the program?

No

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.

## 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 impact to enrollment. There are no students enrolled. No degrees have been awarded, and the program has never been advertised.

Number of Students in Program (estimate)

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)

## 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?



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  
Comments

