

Deactivation Proposal

Date Submitted: 12/08/21 2:12 am

Viewing: **JP: 10KP5532BS & 10KS5370MENG : Systems Engineering & Design, BS and Engineering: Energy Systems, MEng**

Last approved: 08/09/19 3:17 pm

Last edit: 03/09/22 8:20 am

Changes proposed by: Amy McCullough

Catalog Pages Using this Program [Systems Engineering & Design, BS and Engineering: Energy Systems, MEng](#)

Proposal Type:

In Workflow

1. U Program Review
2. 1973 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. DMI

Approval Path

1. 12/08/21 2:45 pm
Deb Forgacs (dforgacs):
Approved for U Program Review
2. 12/09/21 4:13 pm
Rizwan Uddin (rizwan):
Approved for 1973 Head
3. 02/22/22 1:22 pm
Keri Pipkins (kcp):
Approved for KP Committee Chair
4. 02/22/22 1:35 pm
Candy Deaville (candyd):
Approved for KP Dean
5. 02/22/22 1:44 pm
John Wilkin (jpwilkin):
Approved for

- University Librarian
- 6. 03/03/22 2:33 pm
Allison McKinney (agrindly):
Approved for Grad_College
- 7. 03/03/22 2:41 pm
Kathy Martensen (kmartens):
Approved for Provost

History

- 1. Aug 9, 2019 by Deb Forgacs (dforgacs)

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

This proposal is for a:

[Phase Down/Elimination](#)

Administration Details

Official Program Name	Systems Engineering & Design, BS and Engineering: Energy Systems, MEng	
Sponsor College	Grainger College of Engineering	
Sponsor Department	Nuclear, Plasma & Rad Engr	
Sponsor Name	Rizwan Uddin	
Sponsor Email	rizwan@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 2022

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

Eliminate the joint BS in Systems Engineering and Design and MENG in Engineering, Energy Systems Concentration

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?

We request to terminate the joint-program 10KP5532BS & 10KS5370MENG: Systems Engineering & Design, BS and Engineering: Energy Systems, 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 undergraduate students who are interested in the Engineering: Energy Systems, MEng degree will still have the option to pursue the program and transfer up to 12 credit hours to the MEng degree (in alignment with the Graduate College transfer credit policy). This option will allow students the ability to achieve the same goal as the Joint BS/MEng 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?

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

Course Requirements

B.S. Component (124 hours):

Same required courses as the traditional B.S. degree with the minimum hours required reduced from 128 to 124 hours.

The reduction of 4 credit hours is based on the utilization of 4 hours in free elective in the student's undergraduate curriculum.

Illinois undergraduate student minimum residence requirement satisfied.

Overall grade point average (GPA) of 3.0 maintained through completion of B.S. component of the program.

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

Identical to the current [M.Eng. in Engineering with a concentration in Energy Systems](#). A total of 32 hours (including the shared coursework) 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)
Systems Engineering & Design, BS
Engineering: Energy Systems, MEng (on campus & online)

Program Features

Academic Level Undergraduate
 Graduate

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 N/A
required GPA?

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)

~~Educational Attainment—increase educational attainment to match the best performing states.~~

Describe how the proposed program supports these goals.

Admission Requirements

Desired Effective Fall 2018

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.

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

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.

No degrees have been awarded for this program.

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?

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

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)

[ISE_deactivation_of_joint_BS□MENG_in_Engineering\(Energy_Systems\)_degree.pdf](#)

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.

N/A

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.

N/A

EP Documentation

EP Control Number EP.22.126

Attach Rollback/Approval Notices

This proposal requires HLC inquiry No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

Program Code: JP: 10KP5532BS & 10KS5370MENG

Minor Code	Conc Code	Degree Code	Major Code
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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

Subject: Re: deactivation of joint BS/MENG in Engineering(Energy Systems) degree
Date: Tuesday, February 15, 2022 at 2:00:37 AM Central Standard Time
From: Shamma, Jeff
To: Uddin, Rizwan
CC: McCullough, Amy Jeanne

Dear Rizwan,

Following Monday's discussion with the ISE admin committee, ISE acknowledges the deactivation of the joint BS/MEng-in-Energy-Systems degree.

-Jeff

.....
Jeff S. Shamma
Department Head, Industrial and Enterprise Systems Engineering
Professor & Jerry S. Dobrovlny Chair in ISE
University of Illinois at Urbana-Champaign
Editor-in-Chief, IEEE Transactions on Control of Network Systems
.....

From: Shamma, Jeff <jshamma@illinois.edu>
Date: Monday, February 14, 2022 at 2:23 PM
To: Uddin, Rizwan <rizwan@illinois.edu>
Cc: McCullough, Amy Jeanne <amccul2@illinois.edu>
Subject: Re: deactivation of joint BS/MENG in Engineering(Energy Systems) degree

We're meeting (weekly) this afternoon.

-Jeff

.....
Jeff S. Shamma
Department Head, Industrial and Enterprise Systems Engineering
Professor & Jerry S. Dobrovlny Chair in ISE
University of Illinois at Urbana-Champaign
Editor-in-Chief, IEEE Transactions on Control of Network Systems
.....

From: Uddin, Rizwan <rizwan@illinois.edu>
Date: Monday, February 14, 2022 at 2:20 PM
To: Shamma, Jeff <jshamma@illinois.edu>
Cc: McCullough, Amy Jeanne <amccul2@illinois.edu>
Subject: Re: deactivation of joint BS/MENG in Engineering(Energy Systems) degree

Thanks Jeff. Any word from your Assoc Heads?

From: Shamma, Jeff <jshamma@illinois.edu>
Sent: Friday, February 11, 2022 9:14 AM
To: Uddin, Rizwan <rizwan@illinois.edu>
Cc: McCullough, Amy Jeanne <amccul2@illinois.edu>; Sreenivas, Ramavarapu S <rsree@illinois.edu>; Beck, Carolyn L <beck3@illinois.edu>
Subject: Re: deactivation of joint BS/MENG in Engineering(Energy Systems) degree

Dear Rizwan,

This proposal makes sense. Before finalizing, I've cc'd herein ISE's undergrad & graduate associate heads for their inputs.

-Jeff

.....
Jeff S. Shamma
Department Head, Industrial and Enterprise Systems Engineering
Professor & Jerry S. Dobrovolny Chair in ISE
University of Illinois at Urbana-Champaign
Editor-in-Chief, IEEE Transactions on Control of Network Systems
.....

From: Uddin, Rizwan <rizwan@illinois.edu>
Date: Thursday, February 10, 2022 at 9:50 PM
To: Shamma, Jeff <jshamma@illinois.edu>
Cc: McCullough, Amy Jeanne <amccul2@illinois.edu>
Subject: Fw: deactivation of joint BS/MENG in Engineering(Energy Systems) degree

ISE (IS and SE)

Dear Jeff,

Back in 2016-17, your department had agreed to participate in a joint BS/MENG-in-Energy-Systems degree program. The MENG degree is administered by NPRE. This joint BS/MENG degree program has not been very popular with students.

The NPRE Department has submitted a proposal to deactivate the joint BS/MENG program between the Engineering: Energy Systems, MENG and your department's bachelor's degrees (IS and SE). We are seeking to deactivate the joint-degree program as there has only been one applicant/graduate among the seven participating majors (AE, ABE, IE, MatSE, NPRE, PHYS and SE) since it was approved in April 2017.

Please let us know if we can provide any additional information regarding the proposal. We hope to include your acknowledgement of the deactivation with the proposal.

A simple response to this email with something like, "we acknowledge the deactivation of the joint BS/MEng-in-Energy-Systems degree," would suffice.

best

Rizwan

ps. Undergraduate students who are interested in the Engineering: Energy Systems, MENG degree will still have the option to pursue the MENG degree. Students may transfer up to 12 credit hours to the MENG degree (in alignment with the Graduate College transfer credit policy), and this option will allow students the ability to achieve the same goal as the joint BS/MENG degree.

Rizwan Uddin

Professor and Head

Department of Nuclear, Plasma, and Radiological Engineering

University of Illinois at Urbana-Champaign

Urbana, IL 61801, USA

Ph: 217-244-4944; rizwan@illinois.edu