

Deactivation Proposal

Date Submitted: 09/19/22 9:47 pm

Viewing: **1PKS5636MENG : Engineering:
Railway Engineering, MEng**

Last approved: 09/06/19 1:46 pm

Last edit: 11/11/22 10:47 am

Changes proposed by: Joan Christian

[Engineering: Railway Engineering, MEng](#)

Catalog Pages
Using this
Program

Proposal Type:

In Workflow

1. U Program Review
2. 1251 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. 09/20/22 4:59 pm
Deb Forgacs (dforgacs):
Approved for U Program Review
 2. 09/20/22 5:18 pm
John Popovics (johnpop):
Approved for 1251 Head
 3. 10/04/22 1:03 pm
Keri Pipkins (kcp):
Approved for KP Committee Chair
 4. 10/04/22 1:11 pm
Trish Ohlsson (pohlsson):
Approved for KP Dean
 5. 10/04/22 1:16 pm
John Wilkin (jpwilkin):

Approved for
University
Librarian

6. 11/01/22 3:31 pm

Allison McKinney
(agrindly):

Approved for
Grad_College

7. 11/04/22 11:25
am

Brooke Newell
(bsnewell):

Approved for
Provost

History

1. Sep 6, 2019 by
Deb Forgacs
(dforgacs)

Concentration (ex. Dietetics)

This proposal is
for a:

[Phase Down/Elimination](#)

Administration Details

Official Program Name Engineering: Railway Engineering, MEng

Diploma Title

Sponsor College Grainger College of Engineering

Sponsor Department Civil and Environmental Engineering

Sponsor Name [Jeff Roesler](#)

Sponsor Email jroesler@illinois.edu

College Contact [Daniel Bodony](#)

College Contact
Email

bodony@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 Spring 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 Railway Engineering 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. Deactivating the MEng in Railway program.

Why are these changes necessary?

This program has had low applications and enrollment and CEE has implemented a Railway Engineering track within our MS program so students interested in Railway will have that option. Also, CEE plans to continue the exchange program with KTH Royal Institute of Technology in Sweden, which will be an option for students in the MS program. Additional coursework for the track will be available once the MOU with KTH is finalized. Six applications have been received since the program opened, 3 enrolled in the program and 2 have graduated (the last one graduated in 5/2021). The other student that enrolled transferred to the MS in CEE. There are no current students in the program. There are 10 KTH students that will finish the program in this academic year but they are not in our degree program and will get their degree from KTH. All courses will continue to be taught so it will not affect them.

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.

N/A

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

Concentration Requirements

Course List

Code	Title	Hours
Core Courses from Illinois		6
CEE 409	Railroad Track Engineering	
CEE 412	High-Speed Rail Engineering	
Alternate Illinois course from approved list for students who have completed one or both of the required courses in previous degree		
Core Courses from KTH		12
CEE 498	Special Topics (RTV, KTH SD2307, Rail Vehicle Technology)	
CEE 498	Special Topics (TMS, KTH AK2036, Theory and Methodology of Science with Applications)	
CEE 598	Special Topics (ET, KTH EJ2400, Electric Traction)	
CEE 598	Special Topics (RVD, KTH SD2313, Rail Vehicle Dynamics)	
Elective Courses from Illinois		14
Railway Elective Courses from Approved List A, minimum 6 hours		
Engineering Elective Courses from Approved List B, minimum 6 hours		
Professional Development courses from approved list		4
Total Hours		36

Other Requirements and Conditions (may overlap)

Grad Other Degree Requirements

Requirement	Description
Minimum of 20 credit hours must be taken at the University of Illinois at Urbana-Champaign campus	
Minimum of 12 500-level credit hours in the concentration with at least 8 credit hours in the core concentration	
No courses used to fulfill any degree requirement may be taken using the Credit/No Credit option.	
Minimum program GPA	3.0

Program Relationships

Corresponding

Program(s):

Corresponding Program(s)

Engineering, 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.

We had a total of 6 applications for the program since 2018, 3 enrolled in the program and 2 graduated. The other student changed to the MS in CEE. There are no current students in the program.

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.

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.23.018

Attach Rollback/Approval Notices [ep23018_email_to_and_response_from_sponsor_20221110.pdf](#)

This proposal requires HLC inquiry No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name MENG:Engineering: Railway-UIUC

Program Code: 1PKS5636MENG

Minor Conc 5636 Degree Major

Code Code Code Code 1211

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 **Emily Stuby (eastuby) (09/16/22 3:58 pm):** Rollback: Requested
Comments

From: [Pahre, Jennie](#)
To: [Roesler, Jeffery Raphael](#)
Cc: [Olson, Scott Michael](#); [Lehman, Barbara J](#); [Moorhouse, Linda](#); [Martensen, Kathy](#)
Subject: Re: EP.23.018: Deactivation Proposal -- One Question
Date: Thursday, November 10, 2022 2:35:06 PM

Thank you, Jeff!

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



As a land-grant institution, the University of Illinois at Urbana-Champaign has a responsibility to acknowledge the historical context in which it exists. We are currently on the lands of the Peoria, Kaskaskia, Peankashaw, Wea, Miami, Mascoutin, Odawa, Sauk, Mesquaki, Kickapoo, Potawatomi, Ojibwe, and Chickasaw Nations. It is necessary for us to acknowledge these Native Nations and for us to work with them as we move forward as an institution.

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: Roesler, Jeffery Raphael <jroesler@illinois.edu>
Sent: Thursday, November 10, 2022 2:07 PM
To: Pahre, Jennie <jpahre@illinois.edu>
Cc: Olson, Scott Michael <olsons@illinois.edu>; Lehman, Barbara J <bjlehman@illinois.edu>; Moorhouse, Linda <moorhouz@illinois.edu>; Martensen, Kathy <kmartens@illinois.edu>
Subject: RE: EP.23.018: Deactivation Proposal -- One Question

I agree with the language you proposed. Thanks.

Jeff

From: Pahre, Jennie <jpahre@illinois.edu>
Sent: Thursday, November 10, 2022 10:19 AM
To: Roesler, Jeffery Raphael <jroesler@illinois.edu>
Cc: Olson, Scott Michael <olsons@illinois.edu>; Lehman, Barbara J <bjlehman@illinois.edu>; Moorhouse, Linda <moorhouz@illinois.edu>; Martensen, Kathy <kmartens@illinois.edu>
Subject: Re: EP.23.018: Deactivation Proposal -- One Question

Hi Jeff,

Thank you for your continuing help. I'm sorry to be a bother.

What the proposal says is:

Civil and Environmental Engineering has implemented a Railway Engineering track within our Master's of Science program so students interested in Railway will have that option.

Also, CEE plans to continue the exchange program with KTH Royal Institute of Technology in Sweden, which will be an option for students in the MS program.

The proposal is clear about the partnership with KTH being in the works.

If the track is currently available, and the KTH partnership will simply enrich it, it would make sense to add language to the effect that "Additional coursework for this track will be available once the MOU with KTH is finalized." The Provost's Office thinks that the addition of this language will solve the problem, without the need for a rollback.

Please let me know if you'd like to proceed with this supplemental language.

All best,
Jennie

JENNIFER N. PAHRE

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From: Roesler, Jeffery Raphael <jroesler@illinois.edu>
Sent: Wednesday, November 9, 2022 1:52 PM
To: Pahre, Jennie <jpahre@illinois.edu>
Cc: Olson, Scott Michael <olsons@illinois.edu>; Lehman, Barbara J <bjlehman@illinois.edu>; Moorhouse, Linda <moorhouz@illinois.edu>; Martensen, Kathy <kmartens@illinois.edu>
Subject: RE: EP.23.018: Deactivation Proposal -- One Question

Jennie,

Thanks for your response. I just wanted to clarify that we are not adding a new degree of railway engineering in our MS program in our CEE department. It is just a track, meaning we explicitly state, you can obtain an MS in civil engineering with these 9 courses focused on railway but these courses are already available in our department and one could obtain a focus in railway engineering right now. The new TRACK is really more marketing so external students see we have courses that could provide a technical focus in railway engineering just like we have for structural engineering, transportation engineering, etc. All of these are still a MS in civil engineering degree and we are not creating a new degree.

I am not sure if it still needs to be sent back to us given we are not creating a new degree and I don't believe we stated a new degree but a "track" i.e., a listed of suggested courses.

Jeff

From: Pahre, Jennie <jpahre@illinois.edu>
Sent: Wednesday, November 9, 2022 12:37 PM
To: Roesler, Jeffery Raphael <jroesler@illinois.edu>
Cc: Olson, Scott Michael <olsons@illinois.edu>; Lehman, Barbara J <bjlehman@illinois.edu>; Moorhouse, Linda <moorhouz@illinois.edu>; Martensen, Kathy <kmartens@illinois.edu>
Subject: Re: EP.23.018: Deactivation Proposal -- One Question

Hi Jeff,

Thank you for your very prompt response.

I understand how timelines/plans can become easily tangled when coordinating with outside units. We've had some interesting moments in Ed Pol when approvals of proposals depended upon simultaneous acknowledgements of support from two entities, each of which insisted that the other must go first.

Of course, until the MOU is signed, and the proposal is formally approved, there is no Railway Engineering track in the MS program. This means that what the proposal says is not currently correct. I think we should send the proposal back, so that you can amend the wording to indicate that the degree is planned, and near finalization. I don't think that this change will affect the approval of the deactivation proposal -- and it would be better to be clear about

things. (I have visions of the good folks who do the Banner programming quietly going mad trying to find the missing MS.)

In addition, rolling back the proposal should not change the timeline, as our next Ed Pol meeting will be on November 28. If this proposal moves along, we should get it back by then.

Please let me know if you have any questions or additional thoughts; otherwise, I will ask that it be sent back to you for revision.

All best,
Jennie

JENNIFER N. PAHRE

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From: Roesler, Jeffery Raphael <jroesler@illinois.edu>

Sent: Tuesday, November 8, 2022 9:04 AM

To: Pahre, Jennie <jpahre@illinois.edu>

Cc: Olson, Scott Michael <olsons@illinois.edu>

Subject: RE: EP.23.018: Deactivation Proposal -- One Question

Jennie,

We have approved of this railway engineering track (see attached) internally but we are waiting for the finalization of a new MOU between KTH (Sweden) and UIUC since part of the track recommends courses that are taught in Sweden by KTH University and we didn't want to promise the track until we had a signed agreement between KTH and UIUC. I am waiting for the faculty lead of our railway engineering area and international program director to complete this. I thought it would be done

early in fall semester but still has not. I have copied our new Associate Head in CEE who will be tracking when this is publicly launched once the MOU agreement is signed.

Jeff

From: Pahre, Jennie <jpahre@illinois.edu>
Sent: Monday, November 7, 2022 6:04 PM
To: Roesler, Jeffery Raphael <jroesler@illinois.edu>
Subject: EP.23.018: Deactivation Proposal -- One Question

Dear Professor Roesler,

I hope your week is off to a great start.

This year, I'm the chair of subcommittee A of the Senate Educational Policy Committee. You are the sponsor of EP 23. 018, a deactivation proposal for the Railway Engineering MEng. This proposal has come to my subcommittee for review.

My subcommittee members understand the rationale for the deactivation, and given the enrollment, and it makes good sense.

I did receive one question that I was hoping you could help me with. The proposal mentions that CEE has implemented a Railway Engineering track within the MS program, but we cannot find that option listed in the course catalog. (We do see that there are some online classes that can be taken -- <https://cee.illinois.edu/academics/graduate-programs/cee-online/cee-online-railroad-engineering-illinois> but they don't seem to correlate with a track.)



[CEE Online - Railroad Engineering at Illinois | Civil & Environmental Engineering | UIUC - University of Illinois Department of Civil and Environmental Engineering](#)

Civil & Environmental Engineering
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MC-250 205 North Mathews Ave.
Urbana, IL 61801-2352 ph: 217-333-8038
(general) | fax: 217-333-9464

cee.illinois.edu

If you can help me with this information, I would greatly appreciate it.

Kind regards,

Jennie

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Champaign, IL 61820

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