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

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):
Concentration (ex. Dietetics)

This proposal is
for a:

Phase Down/Elimination

Administration Details

<table>
<thead>
<tr>
<th>Official Program Name</th>
<th>Engineering: Railway Engineering, MEng</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diploma Title</td>
<td>Grainger College of Engineering</td>
</tr>
<tr>
<td>Sponsor College</td>
<td>Civil and Environmental Engineering</td>
</tr>
<tr>
<td>Sponsor Department</td>
<td></td>
</tr>
<tr>
<td>Sponsor Name</td>
<td>Jeff Roesler</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:jroesler@illinois.edu">jroesler@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact</td>
<td>Daniel Bodony</td>
</tr>
<tr>
<td>College Contact Email</td>
<td><a href="mailto:bodony@illinois.edu">bodony@illinois.edu</a></td>
</tr>
</tbody>
</table>

College Budget Officer

College Budget Officer Email

History

1. Sep 6, 2019 by
Deb Forgacs
dforgacs
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 Spring 2023
Term

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.

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.
**Concentration Requirements**

**Course List**

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

**Other Requirements and Conditions (may overlap)**

**Grad Other Degree Requirements**

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

**Program Relationships**

**Corresponding Program(s):**

- Engineering, MEng

**Program Features**
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 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.

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)

<table>
<thead>
<tr>
<th>Year One Estimate</th>
<th>5th Year Estimate (or when fully implemented)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>EP Control Number</th>
<th>EP.23.018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attach Rollback/Approval Notices</td>
<td>ep23018_email to and response from sponsor_20221110.pdf</td>
</tr>
<tr>
<td>This proposal requires HLC inquiry</td>
<td>No</td>
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</table>

DMI Documentation

<table>
<thead>
<tr>
<th>Banner/Codebook Name</th>
<th>MENG:Engineering: Railway-UIUC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Code:</td>
<td>1PKS5636MENG</td>
</tr>
<tr>
<td>Minor Conc Degree</td>
<td>5636</td>
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</tbody>
</table>
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 Comments

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

Key: 872
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.

I agree with the language you proposed. Thanks.

Jeff
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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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: Wednesday, November 9, 2022 1:52 PM
To: Pahre, Jennie <jpahre@illinois.edu>
Cc: Olson, Scott Michael <olsons@illinois.edu>; Lehman, Barbara J <bitlehman@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 <bitlehman@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
Teaching Associate Professor and Director of Undergraduate Studies
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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 <olson@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

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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.)

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

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