1PKS5419MENG: ENGINEERING: COMPUTATIONAL ENGINEERING, MENG

In Workflow

1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu)
2. 1917 Head (a-jacobi@illinois.edu; sanjiv@illinois.edu)
3. KP Committee Chair (mch@illinois.edu; bsnewell@illinois.edu; danko@illinois.edu; kcp@illinois.edu)
4. KP Dean (candyd@illinois.edu)
5. University Librarian (jpwilkin@illinois.edu)
6. Grad_College (agrindly@illinois.edu; jch@illinois.edu; lowry@illinois.edu)
7. Provost (kmartens@illinois.edu)
8. Senate EPC (bjlehman@illinois.edu)
9. Senate (jtempel@illinois.edu)
10. U Senate Conf (none)
11. Board of Trustees (none)
12. IBHE (none)
13. DMI (eastuby@illinois.edu; aledward@illinois.edu; dforgacs@illinois.edu)

Approval Path

1. Sat, 01 Feb 2020 20:15:14 GMT
   Deb Forgacs (dforgacs): Approved for U Program Review
2. Sat, 07 Mar 2020 18:10:11 GMT
   Anthony Jacobi (a-jacobi): Approved for 1917 Head
3. Tue, 10 Mar 2020 18:38:28 GMT
   Keri Pipkins (kcp): Approved for KP Committee Chair
4. Tue, 10 Mar 2020 18:49:11 GMT
   Candy Deaville (candyd): Approved for KP Dean
5. Tue, 10 Mar 2020 18:51:18 GMT
   John Wilkin (jpwilkin): Approved for University Librarian
6. Wed, 08 Apr 2020 19:56:39 GMT
   Allison McKinney (agrindly): Approved for Grad_College
7. Wed, 08 Apr 2020 20:09:13 GMT
   Kathy Martensen (kmartens): Approved for Provost
8. Wed, 08 Apr 2020 21:53:41 GMT
   Barbara Lehman (bjlehman): Rollback to Provost for Senate EPC
9. Wed, 08 Apr 2020 21:57:16 GMT
   Kathy Martensen (kmartens): Rollback to KP Dean for Provost
10. Mon, 13 Apr 2020 15:56:32 GMT
    Candy Deaville (candyd): Rollback to KP Committee Chair for KP Dean
11. Wed, 22 Apr 2020 13:49:59 GMT
    Keri Pipkins (kcp): Approved for KP Committee Chair
12. Wed, 22 Apr 2020 14:29:29 GMT
    Candy Deaville (candyd): Approved for KP Dean
13. Wed, 22 Apr 2020 15:41:29 GMT
    John Wilkin (jpwilkin): Approved for University Librarian
14. Wed, 22 Apr 2020 15:48:17 GMT
    Allison McKinney (agrindly): Approved for Grad_College
15. Wed, 22 Apr 2020 16:29:54 GMT
    Kathy Martensen (kmartens): Approved for Provost

History

1. Jul 17, 2019 by Deb Forgacs (dforgacs)
2. Oct 30, 2019 by Deb Forgacs (dforgacs)

Deactivation Proposal

Date Submitted:Fri, 31 Jan 2020 22:37:06 GMT

Viewing:1PKS5419MENG : Engineering: Computational Engineering, MEng

Changes proposed by: Amy McCullough

Proposal Type

Proposal Type:

Concentration (ex. Dietetics)

This proposal is for a:

Phase Down/Elimination

Proposal Title:

if this proposal is one piece of a multi-element change please include the other impacted programs here.*example: A BS revision with multiple concentration revisions*

Elimination of Engineering: Computational Engineering, MEng

EP Control Number

EP.20.176

Official Program Name

Engineering: Computational Engineering, MEng

Effective Catalog Term

Fall 2020

Sponsor College

Grainger College of Engineering

Sponsor Department

Mechanical Sci & Engineering

Sponsor Name

Tony Jacobi

Sponsor Email

jacobi@illinois.edu

College Contact

Harry Dankowicz

College Contact Email

danko@illinois.edu

Program Description and Justification

Justification for proposal change:

The M.Eng. in Engineering degree allows academic units within the college to partner with other academic units or research centers in the college, or at other institutions, to 1) pilot a time-sensitive, professional graduate program in a timely fashion, and for finite duration, in the form of an interdisciplinary concentration, 2) use the concentration to gauge demand for a formal degree program in the interdisciplinary field, and 3) terminate the concentration in a timely fashion if such demand is found insufficient.

For concentrations that are successful within the first three to four years, The Grainger College of Engineering Office of Graduate, Professional and Online Programs works with the home academic unit(s) to transition the concentration to a new major within the Master of Engineering degree. For concentrations that fall short of such expectations, the Office of Graduate, Professional and Online Programs works with the academic unit(s) to sunset the concentration.

The Computational Engineering concentration, approved by the Senate in Fall of 2015, grouped together existing courses, and the program was supported with existing staff resources. The total number of applications received is 31, and a total of 4 students enrolled in the program. All four students have since graduated from the University, with the final student graduating in Fall 2019.

Demand for the Computational Engineering concentration within the MEng in Engineering degree was insufficient. As such, The Director of Computational Science and Engineering requests the elimination of this concentration, with support of the Department of Mechanical Science, and the Office of Graduate, Professional and Online Programs. The elimination of the Computational Engineering concentration, does not impact current faculty, staff, or students in any significant way.

Is this program interdisciplinary?

No

Corresponding Program(s):

Corresponding Program(s)
Engineering, MEng

Academic Level

Graduate

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

The program is no longer accepting applications for this degree. All enrolled students have graduated as of December 2019.

Delivery Method

Is this program available on campus and online?

No

This program is available:

On Campus

Budget

Are there budgetary implications for this revision?

No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

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

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.

Elimination of this degree will not impact faculty resources. The program did not include any new courses and no sections were added to existing courses.

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.

Elimination of this degree will not impact library resources.

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 impacted by the creation/revision of this program?

No

Financial Resources

Will the unit need to seek campus or other external resources?

No

Attach letters of support

Computational Engineering.pdf

Is this program requesting self-supporting status?

No

Program Regulation and Assessment

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.

Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text

Statement for Programs of Study Catalog

Requirements

Code	Title	Hours
Core Courses, complete minimum one course from each of the following:		16
	Applied math course chosen from approved list	
	Computational Methods course chosen from approved list	
	Parallel/Ubiquitous Computing course chosen from approved list	
Area of Specialization courses from approved list		12
Professional development courses from approved list		4
Total credit hours for the degree:		**32**

Other Requirements and Conditions

Requirement	Description
Other requirements 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 in the concentration, with at least 8 credit hours in the core concentration.	
No courses used to fulfill any degree requirement may be tkaen using the "Credit/No Credit" option.	
The minimum program GPA is 3.0.	

EP Documentation

DMI Documentation

Banner/Codebook Name

MENG:Engineering:Comp Eng-UIUC

Program Code:

1PKS5419MENG

Conc Code

5419

Degree Code

MENGR

Major Code

1211

Program Reviewer Comments

Barbara Lehman (bjlehman) (Wed, 08 Apr 2020 21:53:41 GMT): Rollback: Rollback: Message from Eric Meyer, Chair of Educational Policy Committee follows. For all program deactivation requests, EPC needs to know when applications ceased being accepted, how many applications were received prior to that date, and how the department justifies terminating applications without providing prior notice under Standing Rule 13. EPC is rolling the proposal back to the Provost queue pending addition of this information.
Kathy Martensen (kmartens) (Wed, 08 Apr 2020 21:57:16 GMT): Rollback: Please see and address comments from Senate Ed Pol Committee's rollback. Thanks! --Kathy
Candy Deaville (candyd) (Mon, 13 Apr 2020 15:56:32 GMT): Rollback: Please see and address comments from Senate Ed Pol Committee's rollback. Thanks! --Kathy

Key: 823

Subject: FW: Computational Engineering
Date: Saturday, January 18, 2020 at 8:17:44 PM Central Standard Time
From: Dankowicz, Harry
To: McCullough, Amy Jeanne

Dear Amy,

This information will be useful as you complete the CIM form for termination of the Computational Engineering concentration.

Hope you had a great week!

Harry

From: "Jacobi, Anthony M" <a-jacobi@illinois.edu>
Date: Tuesday, November 28, 2017 at 9:57 PM
To: "Dankowicz, Harry" <danko@illinois.edu>, "Cangellaris, Andreas C" <cangella@illinois.edu>
Cc: Rhonda McElroy <rmcelroy@illinois.edu>, "Saif, M Taher A" <saif@illinois.edu>, Elizabeth Hsiao-Wecksler <ethw@illinois.edu>, "Sofronis, Petros" <sofronis@illinois.edu>, John Wierschem <jwiersch@illinois.edu>
Subject: RE: Computational Engineering

Dear Harry,

At our MechSE leadership meeting today we discussed the request from Luke Olsen to stop enrolling new students in the MEngCSE program. We support the request.

Regards,
Tony

From: Dankowicz, Harry
Sent: Monday, November 27, 2017 11:47 AM
To: Cangellaris, Andreas C <cangella@illinois.edu>; Jacobi, Anthony M <a-jacobi@illinois.edu>
Cc: McElroy, Rhonda Kay <rmcelroy@illinois.edu>
Subject: Computational Engineering

Resent from last Monday, with increasing urgency for a decision:

Dear Andreas and Tony,

I have been informed by Luke Olsen that CSE would like to stop enrolling new students into the Computational Engineering M.Eng. program. CSE wants to allow the current cohort of 4 students to graduate, but wishes to no longer market this program to potential recruits or employers. My office will proceed accordingly, assuming that you are in agreement with this development.

Thank you!

Harry

Harry Dankowicz
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