

JP: 10KP5967BS & 1PKS5967MENG: JP: COMPUTER ENGINEERING, BS AND ELECTRICAL & COMPUTER ENGINEERING, MENG

In Workflow

1. U Program Review (dforgacs@illinois.edu; eastuby@illinois.edu; aledward@illinois.edu)
2. 1933 Committee (merry@illinois.edu; jlsmit@illinois.edu)
3. 1933 Head (b-hajek@illinois.edu; oelze@illinois.edu; erhan@illinois.edu)
4. KP Committee (candyd@illinois.edu)
5. KP Committee Chair (bsnewell@illinois.edu; danko@illinois.edu; kcp@illinois.edu; jmakela@illinois.edu)
6. KP Dean (candyd@illinois.edu)
7. University Librarian (jpwilkin@illinois.edu)
8. Grad_College (agrindly@illinois.edu; jch@illinois.edu; lowry@illinois.edu)
9. Provost (kmartens@illinois.edu)
10. Senate EPC (bjlehman@illinois.edu; moorhouz@illinois.edu; kmartens@illinois.edu)
11. Senate (jtempel@illinois.edu)
12. U Senate Conf (none)
13. Board of Trustees (none)
14. IBHE (none)
15. DMI (eastuby@illinois.edu; aledward@illinois.edu; dforgacs@illinois.edu)

Approval Path

1. Wed, 24 Feb 2021 22:21:05 GMT
Deb Forgacs (dforgacs): Approved for U Program Review
2. Fri, 26 Feb 2021 20:09:26 GMT
Jennifer Carlson (merry): Approved for 1933 Committee
3. Fri, 26 Feb 2021 21:17:42 GMT
Michael Oelze (oelze): Approved for 1933 Head
4. Mon, 01 Mar 2021 20:02:36 GMT
Candy Deaville (candyd): Approved for KP Committee
5. Tue, 30 Mar 2021 19:04:07 GMT
Keri Pipkins (kcp): Approved for KP Committee Chair
6. Tue, 30 Mar 2021 19:13:22 GMT
Candy Deaville (candyd): Approved for KP Dean
7. Tue, 30 Mar 2021 19:18:01 GMT
John Wilkin (jpwilkin): Approved for University Librarian
8. Thu, 01 Apr 2021 20:06:11 GMT
Allison McKinney (agrindly): Approved for Grad_College
9. Thu, 01 Apr 2021 21:37:19 GMT
Kathy Martensen (kmartens): Approved for Provost

History

1. Sep 12, 2019 by Brooke Newell (bsnewell)
2. Jan 12, 2021 by Deb Forgacs (dforgacs)

Deactivation Proposal

Date Submitted: Mon, 22 Feb 2021 15:07:37 GMT

Viewing: JP: 10KP5967BS & 1PKS5967MENG : JP: Computer Engineering, BS and Electrical & Computer Engineering, MEng

Changes proposed by: Keri Pipkins

Proposal Type

Proposal Type:

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

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*

Phase Down/Elimination of the BS-MEng Joint Program in Computer Engineering, BS and Electrical & Computer Engineering, MEng

EP Control Number

EP:21.110

Official Program Name

JP: Computer Engineering, BS and Electrical & Computer Engineering, MEng

Effective Catalog Term

Fall 2021

Sponsor College

Grainger College of Engineering

Sponsor Department

Electrical and Computer Engineering

Sponsor Name

Bruce Hajek@illinois.edu

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College Contact

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Program Description and Justification

Justification for proposal change:

Both the Computer Engineering, BS and Electrical & Computer Engineering, MEng joint program and the Electrical Engineering, BS and Electrical & Computer Engineering, MEng joint program were approved by the Senate in March 2015. Both programs are housed in the Department of Electrical & Computer Engineering. Much of the data collected about these two degree programs did not delineate between those students who were completing the BS in Computer Engineering and those completing the BS in Electrical Engineering.

A total of 108 applications have been received to both Joint Degree programs since Fall 2016, with applications per semester (Fall & Spring) ranging from 0 to 28 through Fall 2020. During that same time period, a total of 70 students enrolled in one of the two joint degree programs, with enrollment per semester (Fall & Spring) ranging from 5-40 through Fall 2020.

Of the 56 students who completed one of the two joint degree programs, 42 completed the Computer Engineering, BS and Electrical & Computer Engineering, MEng, specifically. As of Spring 2021, no students are currently enrolled in the joint degree program.

The Computer Engineering, BS and Electrical & Computer Engineering, MEng joint program offered an alternative path to completing two existing degree programs by reducing the required number of hours to complete the BS degree from 128 to 120 hours. However, the number of students who choose to enroll in the joint degree program has remained small and does not justify continuing to offer a joint program.

Students completing a BS in either Computer Engineering or Electrical Engineering will still be able to apply to and, upon completion of their BS degree, enroll in the MEng degree in Electrical & Computer Engineering. Demand for both BS degrees and the MEng degree remains strong and there will be no impact to faculty and staff resources as a result of the joint program elimination.

Is this program interdisciplinary?

No

Identify the existing programs to be joined:

Corresponding Program(s)
Computer Engineering, BS
Electrical Computer Engineering, MEng (on campus online)

Academic Level

Graduate
Undergraduate

CIP Code

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Admission Requirements

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

No

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No impact anticipated. Demand for the BS in Computer Engineering remains strong as does demand for the MEng in Electrical & Computer Engineering.

Estimated Annual Number of Degrees Awarded

Year One Estimate

migration

5th Year Estimate (or when fully implemented)

migration

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

Attach File(s)

ep1532 final.pdf

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.

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.

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

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 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

Are you seeking a change in the tuition rate or differential for 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.

Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chosed-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.

Statement for Programs of Study Catalog

The joint B.S. - M.Eng. program in Electrical and Computer Engineering combines two degrees: a B.S. in CompE with a M.Eng. in ECE. Current Grainger ECE students enrolled in the College of Engineering with junior standing (normally at least 90 credit hours, including those in process, and at least one year of undergraduate coursework remaining) who maintain superior academic performance are eligible to apply for this program. The program is designed to broaden a student's knowledge beyond that possible in the standard 4-year curriculum. Students admitted to the program will receive both degrees once all requirements for both the B.S. - M.Eng. degree have been successfully completed. Students may participate in the graduation ceremonies for their B.S. degree once the 120 credit-hour requirement is met. There will be no Graduate College or BOT waivers allowed for students in this program. This program is not intended for students intending to pursue the Ph.D. degree—such students should apply to the traditional M.S. (with thesis) degree program.

Course Requirements

B.S. Component (120 hours)

- Same required courses as the traditional B.S. degree with minimum hours required reduced from 128 to 120.
- The reduction of 8 credit hours includes:
 - 6 hours in Free Electives in CompE curricula
 - 2 hours in ECE or CS courses in CompE Technical Electives.
- Overall GPA of 3.40 must be maintained through completion of B.S. component of the program.
- Illinois undergraduate student minimum residence requirement must be satisfied.

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

- Identical to stand-alone M.Eng. degree requirements. (<http://catalog.illinois.edu/graduate/graduate-majors/ece/me-ece/>)

EP Documentation

DMI Documentation

Banner/Codebook Name

BS: BS CE/MENG ECE - UIUC & MENG: BS CE/MENG ECE - UIUC

Program Code:

JP.10KP5967BS & 1PKS5967MENG

Conc Code

5967

Key: 659

