

# JP: 10KP5966BS & 1PKS5966MENG: JP: ELECTRICAL 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 22:20:38 GMT  
Deb Forgacs (dforgacs): Approved for U Program Review
2. Fri, 26 Feb 2021 20:09:14 GMT  
Jennifer Carlson (merry): Approved for 1933 Committee
3. Fri, 26 Feb 2021 21:17:22 GMT  
Michael Oelze (oelze): Approved for 1933 Head
4. Mon, 01 Mar 2021 20:02:33 GMT  
Candy Deaville (candyd): Approved for KP Committee
5. Tue, 30 Mar 2021 19:04:09 GMT  
Keri Pipkins (kcp): Approved for KP Committee Chair
6. Tue, 30 Mar 2021 19:13:24 GMT  
Candy Deaville (candyd): Approved for KP Dean
7. Tue, 30 Mar 2021 19:17:47 GMT  
John Wilkin (jpwilkin): Approved for University Librarian
8. Thu, 01 Apr 2021 20:06:08 GMT  
Allison McKinney (agrindly): Approved for Grad\_College
9. Thu, 01 Apr 2021 21:37:14 GMT  
Kathy Martensen (kmartens): Approved for Provost

## History

1. Sep 12, 2019 by Brooke Newell (bsnewell)
2. Dec 22, 2020 by Deb Forgacs (dforgacs)
3. Jan 12, 2021 by Deb Forgacs (dforgacs)

## Deactivation Proposal

Date Submitted: Mon, 22 Feb 2021 14:57:07 GMT

**Viewing: JP: 10KP5966BS & 1PKS5966MENG : JP: Electrical 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 Electrical Engineering, BS and Electrical & Computer Engineering, MEng

**EP Control Number**

EP:21.109

**Official Program Name**

JP. Electrical 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

**Sponsor Email**

b-hajek@illinois.edu

**College Contact**

Harry Dankowicz

**College Contact Email**

danko@illinois.edu

**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, 14 completed the Electrical Engineering, BS and Electrical & Computer Engineering, MEng, specifically. As of Spring 2021, no students are currently enrolled in the joint degree program.

The Electrical 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)
Electrical Engineering, BS
Electrical Computer Engineering, MEng (on campus online)

**Academic Level**

Graduate  
Undergraduate

**CIP Code**

141001 - Electrical and Electronics Engineering.

**Is This a Teacher Certification Program?**

No

**Will specialized accreditation be sought for this program?**

No

## Admission Requirements

### Desired Effective Admissions Term

Fall 2018

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

No

## Enrollment

### Describe how this revision will impact enrollment and degrees awarded.

Elimination of this program will not impact enrollment or degrees awarded. Demand for each degree, independently, remains strong.

### Estimated Annual Number of Degrees Awarded

## 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**

**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?

Yes

## 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 "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

The joint B.S. - M.Eng. program in Electrical and Computer Engineering combines two degrees: a B.S. in EE 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 EE curricula
  - 2 hours in ECE courses in EE Technical Electives or 2 hours in ECE.
- 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 EE/MENG ECE - UIUC & MENG: BS EE/MENG ECE - UIUC

### **Program Code:**

JP: 10KP5966BS & 1PKS5966MENG

### **Conc Code**

5966

Key: 773

