

Date: _____

REQUESTOR CONTACT INFORMATION

Name _____ Campus _____
 Title _____ Email _____
 Office/Dept _____ Phone _____

INFORMATION FOR NEW PROGRAM CODE

Institution _____ Campus _____
 Level _____ Effective Term _____

| | Code | Description | Check if requesting new code: |
|----------------------|-------|-------------|--|
| College (2) _____ | _____ | _____ | <input type="checkbox"/> See Banner form STVCOLL |
| Department (4) _____ | _____ | _____ | <input type="checkbox"/> See Banner form STVDEPT |

| OLD PROGRAM CODE | MAJOR | CONCENTRATION | | NEW PROGRAM CODE ⁱ (Max. Characters: 12) |
|------------------|-------|---------------|--|--|
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IRAO USE ONLY: DATE RECEIVED

STATUS OF CURRENT STUDENTS AND TERMINATION OF OLD PROGRAM CODE

Are current students "grandfathered" under the program code? Yes No

Should the old program code be available for use in Banner? Yes No

Effective , old program code will no longer be available to admit or recruit students.

Term (ie. Fall 2014)

This will turn off the online application, recruitment (effects Banner forms SRASUMI and SRAQUIK) and admissions (effects Banner forms SAADCRV, SAAADMS, SAASUMI, SAAQUIK, and SAAQUAN) Banner modules.

Effective , old program code will no longer be available to award degree to students.

Term (ie. Fall 2014)

This will turn off the general student (effects Banner form SGASTDN) and academic history (effects Banner form SHADEGR) Banner modules.

ADDITIONAL COMMENTS

ATTACHMENTS

Reorganization supporting documents with Chancellor Approval

VERIFICATIONS

By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.

Registrar
(Print Name)

Financial Aid Officer
(Print Name)

**For Community Colleges,
verification of consultation with
OVPCC Academic Affairs:**

Tammi Oyadomari-Chun

Signature

Date

Signature

Date

Signature

Date

ⁱ Program codes can only be used for one college at a campus. For example, if college A at Hilo is using program code BA-BIOL, then college B at Hilo will not be able to use that program code. College B will then modify the code by adding the college to the end of the code, ie BA-BIOL(B) or BA-BIOL/B. This will also hold true when a program is being moved from one college to another. Program codes used at one campus, can be used at another campus only if it is the same program.



UNIVERSITY
of HAWAII®
MĀNOA

March 15, 2021

MEMORANDUM

TO: Michael Bruno
Provost

VIA: Laura E. Lyons *Laura E. Lyons*
Associate Vice Chancellor for Academic Affairs

VIA: Brennon Morioka *Brennon Morioka*
Dean, College of Engineering

FROM: Wayne Shiroma *Wayne Shiroma*
Chair, Department of Electrical Engineering

SUBJECT: PROPOSED NAME CHANGE FROM DEPARTMENT OF ELECTRICAL ENGINEERING
TO DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

SPECIFIC ACTION REQUESTED

It is requested that the Provost approve a name change of the Department of Electrical Engineering to the Department of Electrical and Computer Engineering within the College of Engineering, University of Hawai'i at Mānoa.

RECOMMENDED EFFECTIVE DATE

Fall 2021

ADDITIONAL COST

There are minimal costs dealing with stationery and web changes.

PURPOSE

The faculty of the Department of Electrical Engineering, College of Engineering, requests to change the name of our department to the Department of Electrical and Computer Engineering. The name change more appropriately describes the subject matters of interest to our faculty and the degree programs of our students, which include the Bachelor of Science degree in Electrical Engineering and Bachelor of Science degree in Computer Engineering. The name change does not involve any modifications to the degree requirements for our undergraduate and graduate programs.

A Proud Past...A Promising Future

Electrical engineering courses have been taught at the University of Hawai'i since the 1910s¹. The Department of Electrical Engineering was formed in 1959 with a baccalaureate degree program. The first graduating class received the BS degree in 1961. Our MS degree program started in 1963, and our PhD degree program started in 1966. The first PhD degree in electrical engineering was granted in 1969².

In June 1971, a group of electrical engineering faculty under the leadership of Dr. Norman Abramson successfully demonstrated ALOHANET – the first wireless packet data network that led directly to the development of Ethernet and personal wireless communication technologies. Fifty years later, ALOHANET is one of the most celebrated achievements in electrical engineering, and is the primary one that put the University of Hawaii's Department of Electrical Engineering on the map.

Since then, the Department built on that early foundation, expanding its teaching and research activities to computers (algorithms, security, networking, hardware, and software), electro-physics (solid-state devices and sensors, analog, circuit design, and microwaves and photonics), and systems and data science (telecommunications, automatic controls, signal and image processing, and machine learning). Over 50% of our 18 faculty are specialists in the computer and systems and data science areas.

Notable programs include the \$5 million NSF CyberCorps Scholarship for Service Program (SFS); the NSA/DHS National Center of Academic Excellence in Cyber Defense Research (CAE-R); and UHM's participation in the \$25 million NSF Center for Science of Information (focusing on big data, information theory, and machine learning).

The Case for a Name Change

For most of its history, the Department had only one baccalaureate degree program: the BS Electrical Engineering, with three tracks in computers, electro-physics, and systems. In 2010, the computer track transitioned into the BS Computer Engineering program and soon became the College of Engineering's most rapidly growing degree program. In 2016, ABET retroactively accredited the BS Computer Engineering degree program. A considerable percentage of our Department's Outstanding Graduating Seniors has in fact been computer engineering majors³, and several have secured jobs at Fortune 500 companies such as Apple, Microsoft, Google, and Amazon.

Given the Department's two accredited baccalaureate degree programs, and its strong focus on cybersecurity, ubiquitous computing, machine learning, and data science, we believe we have a strong case for renaming our department as the Department of Electrical and Computer Engineering.

In fact, UH Mānoa has eight peer and nine benchmark institutions, of which six of the peer and six of the benchmark institutions already have Electrical and Computer Engineering departments. Our renaming request is consistent with the majority of these institutions.

¹ <https://www.eng.hawaii.edu/wp-content/uploads/2021/03/historyengineering.pdf>

² <https://ee.hawaii.edu/student/index.php?stc=2>, <https://www.eng.hawaii.edu/about/history/>

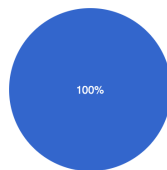
³ <http://ee.hawaii.edu/events/index.php?ect=9>

There are no conflicts with names and primary interests in other departments at UH Mānoa. Computer science faculty and students are in the Department of Information and Computer Sciences (ICS). It should be noted that the peer and benchmark institutions that have Electrical and Computer Engineering departments also have Computer Science departments, Information and Computer Sciences departments, or Computer Science and Engineering departments/schools.

During the period March 10–12, 2021, polls were conducted amongst the Department’s faculty and students. The results below show overwhelming support for the name change.

Are you in favor of the UH Manoa Department of Electrical Engineering changing its name to the Department of Electrical and Computer Engineering?

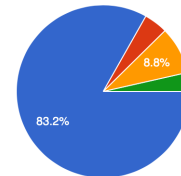
18 responses



Responses from EE faculty and staff

113 responses

● Yes
● No
● Undecided
● Other - use the comments section below



Responses from EE students

BACKGROUND

Pursuant to Board of Regents Policy, RP 5.201 Instructional Programs

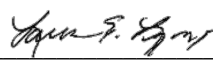
C. Naming of Programs (Cross reference RP 11.203)

- 1. Programs are given a name at the time they are approved by the board. Thereafter, the president may approve changes in the functional names of academic programs and credentials as may become necessary to remain current with the terminology and focus of their fields and which involve no significant change in the program requirements.*
- 2. No program shall be given a name to honor a person without approval of the board.*

ACTION RECOMMENDED

It is recommended that the Provost approve a name change of the Department of Electrical Engineering to the Department of Electrical and Computer Engineering within the College of Engineering, University of Hawai’i at Mānoa.

APPROVED / DISAPPROVED

 for Michael Bruno 9 April 2021
 Signature _____ Date
 Michael Bruno, Provost



**UNIVERSITY
of HAWAII**
SYSTEM

Michael Ng
Budget Director

March 24, 2021

TO: Michael Bruno
Provost

FROM: Michael Ng Digitally signed by Michael Ng
DN: cn=Michael Ng, o=University of
Hawaii, ou=University Budget Office,
email=ng3@hawaii.edu, c=US
Date: 2021.03.24 09:53:09 -1000
Budget Director

**SUBJECT: Requested Change in Name from Department of Electrical Engineering to
Department of Electrical and Computer Engineering**

**This is in response to the March 15, 2021 request to change the name of the
Department of Electrical Engineering to the Department of Electrical and Computer
Engineering.**

**Per the referenced APM A3.101.9 consultation request, the University Budget Office is
of the opinion that the proposed change in the organizational segment title presented in
the above referenced Memorandum does not duplicate and will not be confused with
the title of any other organization or unit within the University.**

**If you have any questions, please contact me at ng23@hawaii.edu or 956-7323. Thank
you.**

Attachment

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