



OFFICE OF THE PRESIDENT

March 7, 2013

Vice Chancellor Susan Jeffords
University of Washington, Bothell
Box 358522

Dear Susan:

Based upon the recommendations of the Executive Council, the General Faculty Organization has recommended approval of the revised program requirements for the Bachelor of Science in Electrical Engineering degree. A copy of the change is attached.

I am writing to inform you that the Science and Technology program is authorized to specify these requirements beginning winter quarter 2012.

The new requirements should be incorporated in printed statements and in individual department websites as soon as possible. The *General Catalog* website will be updated accordingly by the Registrar's Office.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Michael K. Young".

Michael K. Young
President

Enclosure

cc: Dr. Arnold Berger (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Ms. Virjean Edwards (with enclosure BEE-20130202)

MAR 06 2013



UNIVERSITY OF WASHINGTON
CREATING AND CHANGING UNDERGRADUATE
ACADEMIC PROGRAMS

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After college/school/campus review, send a signed original and 8 copies to the Curriculum Office/FCAS, Box 355850.
For information about when and how to use this form: <http://depts.washington.edu/uwcr/1503instructions.pdf>

College/Campus -UW Bothell

Department/Unit Science and Technology

Date 2/8/13
11/28/2011

New Programs

- ☐ Leading to a Bachelor of _____ in _____ degree.
- ☐ Leading to a Bachelor of _____ degree with a major in _____.
- ☐ Leading to a _____ Option within the existing major in _____.
- ☐ Leading to a minor in _____.

Changes to Existing Programs

- ☐ New Admission Requirements for the Major in _____ within the Bachelor of _____.
- ☐ Revised Admission Requirements for the Major in _____ within the Bachelor of _____.
- ☒ Revised Program Requirements for the Major in EE within the Bachelor of Science.
- ☐ Revised Requirements for the Option in _____ within the major in _____.
- ☐ Revised Requirements for the Minor in _____.

Other Changes

- ☐ Change name of program from _____ to _____.
- ☐ New or Revised Continuation Policy for _____.
- ☐ Eliminate program in _____.

Proposed Effective Date: Quarter: ☐ Autumn ☒ Winter ☐ Spring ☐ Summer Year: 20 12 **retroactive**

Contact Person: Arnold S. Berger

Phone: 25463

Email: aberger@u.washington.edu

Box: 358538

EXPLANATION OF AND RATIONALE FOR PROPOSED CHANGE

For new program, please include any relevant supporting documentation such as student learning outcomes, projected enrollments, letters of support and departmental handouts. (Use additional pages if necessary).

There are three reasons for making this curriculum change:

- 1- After having two student capstone teams complete their capstone projects over the course of two quarters rather than one quarter, it became apparent that a one-quarter capstone project was not realistic, nor was it practical.
- 2- Students were able to register for the capstone project even though they hadn't yet completed the appropriate prerequisite classes, leaving them with significant educational gaps that they had to complete on their own in order to successfully complete the capstone project. The EE faculty decided to strengthen the prerequisite requirements so that the student will have sufficient preparation when they start the capstone sequence.
- 3- The faculty decided to split the capstone project into two classes, Capstone I and Capstone II, 2 and 3 credits, respectively. This would address the issue of the students trying to start the design and build the physical hardware and software before the design specification was completed and signed-off by the stakeholders.

OTHER DEPARTMENTS AFFECTED

List all departments/units/ or co-accredited programs affected by your new program or changes to your existing program and acquire the signature of the chair/director of each department/unit listed. Attach additional page(s) if necessary. *See online instructions.

Department/Unit:	Chair/Program Director:	Date:
Department/Unit:	Chair/Program Director:	Date:

CATALOG COPY

Catalog Copy as currently written. Include only sections/paragraphs that would be changed if your request is approved. Please cross out or otherwise highlight any deletions.

B EE 215 Fundamentals of Electrical Engineering (5)
B EE 233 Circuit Theory (5)
B EE 235 Continuous Time Linear Systems (5)
B EE 271 Digital Circuits and Systems (5)
B EE 331 Devices and Circuits I (5)
B EE 332 Devices and Circuits II (5)
B EE 341 Discrete Time Linear Systems (5)
B EE 361 Applied Electrodynamics (5)
B EE/CSS 371 The Business of Technology (5)
B EE 495 Capstone Project (5)
BST 390 Probability and Statistics for Engineers

PROPOSED CATALOG COPY

Reflecting requested changes (Include exact wording as you wish it to be shown in the printed catalog. Please underline or otherwise highlight any additions. If needed, attach a separate, expanded version of the changes that might appear in department publications).
Please note: all copy will be edited to reflect uniform style in the General Catalog.

B EE 215 Fundamentals of Electrical Engineering (5)
B EE 233 Circuit Theory (5)
B EE 235 Continuous Time Linear Systems (5)
B EE 271 Digital Circuits and Systems (5)
B EE 331 Devices and Circuits I (5)
B EE 332 Devices and Circuits II (5)
B EE 341 Discrete Time Linear Systems (5)
B EE 361 Applied Electrodynamics (5)
B EE/CSS 371 The Business of Technology (5)
B EE 425 Microprocessor System Design (5)
B EE 495 Capstone Project I (2)
B EE 496 Capstone Project II(3)
BST 390 Probability and Statistics for Engineers

APPROVALS

Chair/Program Director:



Date:

Feb 2, 2012

College/School/Campus Curriculum Committee:



Date:

2/13/2012

Dean/Vice Chancellor:



Date:

3-1-13

Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:



Date:

2/13/2012

POST TRI-CAMPUS APPROVAL (when needed)

Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:


Date:

MAR 04 2013

MEMORANDUM

DATE: February 2, 2012

TO: UW Curriculum Committee

FROM: Warren W. Buck, Ph.D. 
Professor and Director, Science and Technology Program, UW Bothell

RE: Course Change for B EE 495, Spring 2012

It is essential that the application to change B EE 495 from five to two credits be effective Spring 2012. This application was part of a suite of changes to create a two-course capstone series; B EE 495 is the first course in the series, and a new course, B EE 496, is designed to be taken in the following quarter.

The change in credits for B EE 495 was submitted in error to be effective Winter 2012, and was approved by the UW Curriculum Committee for Winter 2013. We did not realize this typo had been made in time to request approval for Spring Quarter before the time schedule deadline. A similar typo had been made in the application for B EE 496, but as a new course it was approved for Winter 2012.

Currently-enrolled BSEE students are ready to take B EE 495 this Spring Quarter, and our plan would be for those students to enroll in B EE 496 over the Summer. These courses must be taken in order. If students are allowed to take B EE 495 at five credits in the Spring Quarter, they would then need to enroll for three additional credits of B EE 496 in the Summer, resulting in a total of eight credits of capstone work. This would present a hardship for the students, as they would need to enroll in three excess credits to complete their capstone work.

The Science and Technology Program (S&T) acknowledges that the requested change was submitted after the Time Schedule deadline. S&T will be responsible for notifying students of the change, which we will do by e-mail to all students enrolled in the BSEE degree program. We will also take responsibility for any scheduling, student loan, tuition, time-to-graduation, registration, or other problems that might result from approval of the late change application. We will contact the Time Schedule Office once this change is approved to update the course listing for Spring 2012.