



UNIVERSITY of WASHINGTON

Michael K. Young  
President

June 11, 2013

Interim Dean Judith Ramey  
College of Engineering  
Box 352180

Dear Judy:

Based on the recommendation of its Subcommittee on Admissions and Programs, the Faculty Council on Academic Standards has recommended approval of the revised admission and program requirements for the Bachelor of Science in Computer Engineering degree. A copy of the changes is attached.

I am writing to inform you that the Department of Computer Science and Engineering is authorized to specify these requirements beginning autumn quarter 2013.

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. Gaetano Borriello (with enclosure)  
Mr. Pim Lustig (with enclosure)  
Mr. Robert Corbett (with enclosure)  
Ms. Virjean Edwards (with enclosure)



UNIVERSITY OF WASHINGTON

CREATING AND CHANGING UNDERGRADUATE  
ACADEMIC PROGRAMS

MAY 24 2013

OFFICE USE ONLY

Control #

CSE-2013-0515A

After college/school/campus review, send a signed original and 1 copy to the Curriculum Office/FCAS, Box 355850.  
For information about when and how to use this form: <http://depts.washington.edu/uwcr/1503instructions.pdf>

<b>College/Campus</b>	Engineering	<b>Department/Unit</b>	CSE	<b>Date</b>	05/15/2013
<b>New Programs</b>					
<input type="checkbox"/> Leading to a Bachelor of ____ in ____ degree.					
<input type="checkbox"/> Leading to a Bachelor of ____ degree with a major in ____.					
<input type="checkbox"/> Leading to a ____ Option within the existing major in ____.					
<input type="checkbox"/> Leading to a minor in ____.					
<b>Changes to Existing Programs</b>					
<input type="checkbox"/> New Admission Requirements for the Major in ____ within the Bachelor of ____.					
<input checked="" type="checkbox"/> Revised Admission Requirements for the Major in <u>Computer Engineering</u> within the Bachelor of <u>Science</u> .					
<input checked="" type="checkbox"/> Revised Program Requirements for the Major in <u>Computer Engineering</u> within the Bachelor of <u>Science</u> .					
<input type="checkbox"/> Revised Requirements for the Option in ____ within the major in ____.					
<input type="checkbox"/> Revised Requirements for the Minor in ____.					
<b>Other Changes</b>					
<input type="checkbox"/> Change name of program from ____ to ____.					
<input type="checkbox"/> Change delivery method or location of program.					
<input type="checkbox"/> New or Revised Continuation Policy for ____.					
<input type="checkbox"/> New Honors Requirements for ____.					
<input type="checkbox"/> Eliminate program in ____.					
Proposed Effective Date: <b>Quarter:</b> <input checked="" type="checkbox"/> Autumn <input type="checkbox"/> Winter <input type="checkbox"/> Spring <input type="checkbox"/> Summer <b>Year:</b> 20 13__					
Contact Person:		Gaetano Borriello	Phone: 5-9432	Email: gaetano@cs.washington.edu	Box: 352350
<b>EXPLANATION OF AND RATIONALE FOR PROPOSED CHANGE</b>					
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).					
<b><u>Revised admissions requirements:</u></b>					
<ul style="list-style-type: none"><li>removed accelerated admissions option which was added in 2007, thus reverting back to autumn/spring admissions cycles only.</li></ul>					
<b><u>Revised program requirements:</u></b>					
<ul style="list-style-type: none"><li>Removed HCDE 333 (no longer offered) from <i>Written and Oral Communication</i> requirement.</li><li>Added CSE 452 (new course) to the listed CSE Elective course options.</li><li>Revised somewhat confusing catalog copy wording regarding CSE Electives listed under <i>Major Requirements</i> section.</li></ul>					
<b>OTHER DEPARTMENTS AFFECTED</b>					
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:	

Comp E 5/15/13

# **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.

See attached.

## **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.

See attached.

## **APPROVALS**

Chair/Program Director:

*Henry M. Lee*

Date:

5-15-17

College/School/Campus Curriculum Committee:

*C. M. Neils*

Date:

5/21/13

Dean/Vice Chancellor:

*Eve A. Roken*

Date:

5/22/13

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

*George W. H.*

Date:

5/31/13

## **POST TRI-CAMPUS APPROVAL (when needed)**

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

Date:

## CURRENT 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.

### Department Admission Requirements

Applicants are considered in ~~three~~ groups: Direct Admission, ~~Accelerated Admission~~, and ~~Upper-division~~ Admission. Admission is competitive. Completion of minimum requirements does not guarantee admission.

1. *Direct Admission*: Computer Science and Engineering enrolls up to ~~20~~ percent of its incoming class directly out of high school, prior to completion of university-level prerequisites. Freshman applicants to the University listing Computer Science or Computer Engineering as their intended major are automatically considered. Competitive applicants have taken calculus and at least one year of laboratory science (preferably physics) upon entering the University. Admission is for autumn quarter only.
2. ~~*Accelerated Admission*: Intended as a fast track into the Computer Science and Engineering department for matriculated students who have excelled in the CSE introductory courses.~~
  - a. ~~*Course Requirements*: CSE 142 or equivalent, CSE 143. At least 5 additional credits toward the Computer Science upper-division admission course requirements.~~
  - b. ~~*Other Requirements*: Completion of at least 15 credits at the UW. 3.00 cumulative GPA. Competitive applicants for accelerated admission typically have received a high grade in CSE 143 at the UW on their first attempt.~~
  - c. ~~Admission is considered for any quarter.~~
3. ~~*Upper-division Admission*~~
  - a. Minimum grade of 2.0 in each of the following courses: MATH 124, MATH 125, MATH 126 (or MATH 134, MATH 135, MATH 136); PHYS 121; CSE 142, CSE 143; and at least five credits of English composition.
  - b. Admission is for autumn or spring quarter. Application deadlines are July 1 for autumn quarter and February 1 for spring quarter.
4. ~~Students may also declare into the Computer Engineering degree program through the College of Engineering advanced admission program (see the College of Engineering section for advanced admission entrance and continuation requirements).~~



## CURRENT 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.

### **Graduation Requirements**

*Written and Oral Communication (12 credits):* 5-credit course in English composition from the University-approved list; HCDE 231; ~~HCDE 333~~, or department approved alternative

### *Major Requirements (72 credits)*

1. *Required Courses (33 credits):* CSE 142, CSE 143, CSE 311, CSE 312, CSE 332, CSE 351, CSE 352; E E 215 or E E 205.
2. *CSE Electives (39 credits):*
  - a. Four courses chosen from: CSE 401, CSE 403, CSE 444, CSE 451, CSE 461, CSE 466, CSE 467, CSE 471, CSE 484; at least one of which must be CSE 403, CSE 466, or CSE 484.
  - b. Two additional courses chosen from the CSE courses list in the CSE Handbook.
  - c. A design capstone course from the approved list in the CSE Handbook.
3. Additional courses from the CSE electives list in the CSE Handbook, including at least 7 credits from College of Engineering courses, to bring the total CSE electives to 39.
4. Minimum 2.0 grade for any course applied to the major, Natural World, or Written and Oral Communications requirements. Transfer students must earn a minimum of 24 graded credits toward the major at the UW.
5. Free Electives (21-25 credits)

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### ***Department Admission Requirements***

Applicants are considered in two groups: Direct Admission and Regular Admission. Admission is competitive. Completion of minimum requirements does not guarantee admission.

1. *Direct Admission*: Computer Science and Engineering enrolls up to <sup>30</sup>~~25~~ percent of its incoming class directly out of high school, prior to completion of university-level prerequisites. Freshman applicants to the University listing Computer Science or Computer Engineering as their intended major are automatically considered. Competitive applicants have taken calculus and at least one year of laboratory science (preferably physics) upon entering the University. Admission is for autumn quarter only.
2. *Regular Admission*
  - a. Minimum grade of 2.0 in each of the following courses: MATH 124, MATH 125, MATH 126 (or MATH 134, MATH 135, MATH 136); PHYS 121; CSE 142, CSE 143; and at least five credits of English composition.
  - b. Admission is for autumn or spring quarter. Application deadlines are July 1 for autumn quarter and February 1 for spring quarter.
  - c. Individual application prerequisites may be waived or substituted with departmental permission for matriculated students who have excelled in the CSE introductory courses. Information is available from the department advisor.

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**Please note:** all copy will be edited to reflect uniform style in the General Catalog.

### ***Graduation Requirements***

*Written and Oral Communication (12 credits):* 5-credit course in English composition from the University-approved list; HCDE 231; 4 credits of UW approved writing (W) or additional UW approved composition (C) courses.

### *Major Requirements (72 credits)*

1. *Required Courses (33 credits):* CSE 142, CSE 143, CSE 311, CSE 312, CSE 332, CSE 351, CSE 352; E E 215 or E E 205.
2. *CSE Electives (39 credits):*
  - a. One course chosen from: CSE 403, CSE 466, or CSE 484.
  - b. Three additional courses chosen from: CSE 401, CSE 403, CSE 444, CSE 451, CSE 452, CSE 461, CSE 466, CSE 467, CSE 471, CSE 484.
  - c. Two additional courses chosen from the CSE core courses list in the online CSE Handbook.
  - d. A design capstone course from the approved list in the online CSE Handbook.
  - e. 7 credits of College of Engineering courses from the CSE elective list.
  - f. Additional (1-5) CSE elective credits to bring the total CSE electives to 39 credits.
3. Minimum 2.0 grade for any course applied to the major, Natural World, or Written and Oral Communications requirements. Transfer students must earn a minimum of 24 graded credits toward the major at the UW.
4. Free Electives (21-25 credits)