Mark A. Emmert, President

April 30, 2007

Dean Matthew O'Donnell
College of Engineering
Box 352180

Dear Matthew:

Based on the recommendation of its Subcommittee on Admissions and Programs, the Faculty Council on Academic Standards has recommended approval of the revised admissions 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 College of Engineering is authorized to specify these requirements beginning spring quarter 2007.

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,

Mark A. Emmert
President

Enclosure

cc: Crystal Eney (with enclosure)
     Mr. Robert Corbett (with enclosure)
     Dr. Deborah H. Wiegand (with enclosure)
     Todd Mildon, J.D. (with enclosure CSE-20070128A)

CREATING AND CHANGING UNDERGRADUATE ACADEMIC PROGRAMS

After college/school review, send a signed original and 8 copies to FCAS, Box 355850.

For information about when and how to use this form: http://depts.washington.edu/uwcr/1503instructions.pdf

College	Department or Unit	Date
Engineering	CSE	1/28/07

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 Computer Eng. within the Bachelor of __ Science __.
- ☑ Revised Program Requirements for the Major in Computer Eng. 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** 07 (or earliest possible quarter)

Contact Person	Contact's Phone	Contact's Email
Crystal Eney	206 — 685 — 7571	ceney@cs.washington.edu

EXPLANATION OF AND RATIONALE FOR PROPOSED CHANGE

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

Accelerated Admissions:
We would like to add a new admission track called "Accelerated Admission" to our Computer Engineering and Computer Science Degrees. Right now we admit about 20% of our students as Freshman through Direct Admission, and the balance through Upper Division Admission (meaning they have completed approximately 35 credits of prerequisites). Accelerated Admission would become a 3rd entrance point. The main goal of Accelerated Admission would be to encourage the top students taking our introductory programming sequence to be admitted quickly into the major so they don't have to wait a year or more finishing prerequisites before they are eligible to apply for upper division admission. These students will have an opportunity to make progress towards their degree rather than waiting for another year. These students would still be required to finish the same coursework as other students but they would benefit from being members of the department by having access to CSE facilities, being allowed to start CSE coursework, participating in research, etc.

Grade
2.0 ~~GPA~~ minimum in all majors courses:
Currently we have a grade requirement in CS of 2.0 only in CSE courses but not in other courses that count towards the major such as Math/Stats courses. By this loophole, a small number of students have skated by with only a 0.7 in such courses (which might even substitute for CSE courses).

CATALOG COPY

Catalogue Copy as currently written. Include only sections/paragraphs that would be changed if you request is approved. Please cross out or otherwise highlight any deletions.
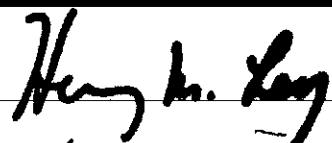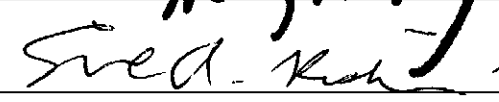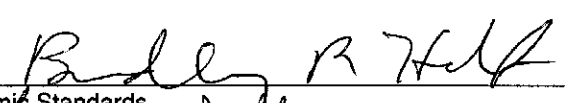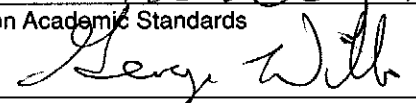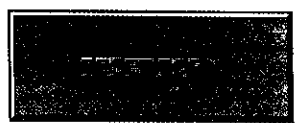
see attached sheet

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)

see attached sheet

SIGNATURES (required)

		Date
Chair/Program Director	*[signature]*	2/1/07
Dean	*[signature]*	3/2/07
College Committee	*[signature]*	2/28/07
Faculty Council on Academic Standards	*[signature]*	4/27/07

CURRENT CATALOG COPY

Department Admission Requirements

Applicants are considered in ~~two~~ groups -- Direct Admission and Upper-Division Admission. Admission is competitive. Completion of minimum requirements does not guarantee admission.

1. *Direct Admission Group:* Computer Science and Engineering enrolls up to 20 percent of its incoming class directly out of high school, prior to the 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 will have taken calculus and at least one year of laboratory science (preferably physics) upon entering the University. Admission is for autumn quarter only.
2. *Upper-Division Admission Group:* Students must have completed MATH 124, MATH 125, MATH 126 (or MATH 134, MATH 135, MATH 136); at least five credits of Natural World, including one of the following: PHYS 121 or CHEM 142/145 (or any approved science course that requires PHYS 121 or CHEM 142/145 as a prerequisite); CSE 142, CSE 143; and at least 5 credits of English composition. Regardless of AP credit, at least one calculus or post-calculus mathematics course and one approved Natural World course must be completed prior to applying to the department. Admission is for autumn or spring quarter. Application deadlines are July 1 for autumn quarter and February 1 for spring quarter.

Major Requirements

5. ~~The minimum acceptable grade for any required or elective CSE course is 2.0.~~ A student's overall GPA must not fall below 2.00. Transfer students must earn a minimum of 24 graded credits toward the major at the UW.

PROPOSED CATALOG COPY

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 the 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 will 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 CSE 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 towards the Computer Science Upper-Division Admission course requirements.
    b. Other requirements: Completion of at least 15 credits at the University of Washington. 3.0 cumulative GPA. Competitive applicants for Accelerated Admission typically will have received a high grade in CSE 143 at the University of Washington on their first attempt.
    c. Admission is considered for any quarter.

3. *Upper-Division Admission:*
    a. Students must have completed MATH 124, MATH 125, MATH 126 (or MATH 134, MATH 135, MATH 136); at least five credits of Natural World, including one of the following: PHYS 121 or CHEM 142/145 (or any approved science course that requires PHYS 121 or CHEM 142/145 as a prerequisite); CSE 142, CSE 143; and at least 5 credits of English composition. Regardless of AP credit, *in addition to any* at least one calculus or post-calculus mathematics course and one approved Natural World course must be completed prior to applying to the department.
    b. Admission is for autumn or spring quarter. Application deadlines are July 1 for autumn quarter and February 1 for spring quarter.

Major Requirements

5. A minimum grade of 2.0 is required *2.00 for* in any course applied to *the* major requirements. A student's overall GPA must not fall below 2.00. Transfer students must earn a minimum of 24 graded credits toward the major at the UW.

The CSE department would like to have 3 pathways into the department.

Direct Freshman, admitted the first quarter of their freshman year, once a year

Accelerated Admission, available at the end of every quarter for high achieving students to start the major before finishing all prerequisites. We expect this will effect about 10-15 students per quarter.

Regular Admission: for transfer students and the rest of our admissions cohort to apply after they have completed all of their prerequisites.

Reasoning behind adding Accelerated Admission:

1. High Achieving students are allowed benefits of being in the major and starting 300 level courses without having to wait to finish all prerequisites.

2. Keeps high achieving students from not applying since there is a fast path into the dept.

3. Removes the need of having to deal with all of these students as non-majors who want to enroll in CSE major courses, which includes granting them lab access, key card access, and giving them a computer account.

4. We have seen high achieving students who all in love with computer science or computer engineering not follow this major, because it would take too long to finish the prerequisites. We want to remove this obstacle for our top students.

5. Every other department makes exceptions to their stated admissions prerequisites and allows students to apply with prerequisites in progress or to be taken in the future. The only thing we are doing differently is allowing high achieving students to apply to our dept. in small numbers at the end of every quarter.