



UNIVERSITY OF WASHINGTON

OFFICE OF THE PRESIDENT

Mark A. Emmert, President

April 21, 2008

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 admission requirements for the Bachelor of Science degree in Engineering. 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 autumn quarter 2008.

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: Mr. Kristofer Martin (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Todd Mildon, J.D. (with enclosure ENGR-20071207)

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UNIVERSITY OF WASHINGTON
CREATING AND CHANGING UNDERGRADUATE
ACADEMIC PROGRAMS

OFFICE USE ONLY
Control # 20071207
ENGR-20071207

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 College of Engineering	Department or Unit	Date 12/7/07
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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 participating programs in the College of Engineering.
- Revised Admission Requirements for the Major in _____ within the Bachelor of _____
- Revised Program Requirements for the Major in _____ within the Bachelor of _____
- 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: 2008

Contact Person Kristofer Martin	Contact's Phone 206 - 685 - 1833	Contact's Email krs1@u.washington.edu
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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).

See attachment #1.

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 attachment #2.

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 attachment #2.

SIGNATURES (required)

Chair/Program Director	<i>E. A. Kroll</i>	Date	3-12-08
Dean	<i>E. A. Kroll</i>	Date	3-12-08
College Committee	<i>Christina Mestrange</i>	Date	3/11/08
Faculty Council on Academic Standards	<i>Leopoldo</i>	Date	4/18/08

UoW 1503 (12/05) REVERSE

RESET FORM

College of Engineering Advanced Admission Program

Program Goals

To recruit high achieving students to the College of Engineering

To reduce pressure on high achieving incoming students to select a major immediately

Overview & Rationale

Many of the top in-state freshman applicants interested in engineering do not accept the UW offer of admission in favor of attending one of several peer institutions. One factor in the student decision is the department admissions process. For high achieving students who are unsure of which engineering discipline they will ultimately choose, the current UW COE admissions options are unattractive. Direct admission to one department does not offer the same level of options as the ability to declare into any one of several majors once a student has explored and determined their field of interest. Likewise, the competitive admissions process currently in place dissuades students based on the concern that they will invest up to two years on prerequisite coursework and possibly be denied admission to their major.

In an effort to recruit the most competitive freshman applicants intending to major in engineering to the University of Washington, the College of Engineering will offer an Advanced Admission to *multiple departments* to yield 20-30 incoming students representing the top 1-2% of the application field. The selection of these students will be based upon academic achievement as well as intended major. The Advanced Admission program will be treated as a two year pilot program. At the conclusion of the pilot phase, the program will be assessed to determine its continuation.

The number of students selected will be balanced across intended majors in order to minimize the impact to any one department in the college. *It is expected that no more than five students per year would enter any single department through the Advanced Admission program.* Further, based on historical data, freshman students with such a strong academic record are admitted to their first choice department at a very high rate. Thus, it is likely that the students selected for this program would be admitted to their departments through regular admissions on the basis of their university coursework. However, guaranteeing them their department admission from the beginning may improve the recruitment of top students to the University of Washington.

The Advanced Admission would entitle students to declare the engineering major of their choice (limited to participating departments) at the conclusion of the first academic year provided eligibility requirements are met*. A deadline for major declaration would be established, after which the students' Advanced Admission would become "invalid".

Advanced Admission is a recruitment tool. The target population is applicants who meet the following criteria:

1. Academic excellence
2. Expressed interest in engineering
3. Unsure about their interest in any one particular discipline

The Advanced Admission program will aim to compliment existing department direct freshman admission processes. The Advanced Admission selection process will take place after individual departments have made their direct admissions decisions. Once department selections have been made, a pool of Advanced Admission candidates will be created, consisting of department Direct Admits as well as top candidates whose primary academic interest was a department who does not currently admit freshman directly, and were therefore not considered.

Some students admitted directly to departments may receive Advanced Admission offers as a way to more aggressively recruit them to the UW. By offering these top students additional options while congratulating them on their direct admission to a department, the COE can provide a more attractive admission "package" for students who may still be unsure about their choice of major.

At the conclusion of the first year, Advanced Admission students who were also department direct admits may exercise their option to declare a different major.

* Please see following section entitled Eligibility Requirements.

Admissions Process

The EADC will generate a list of Advanced Admission candidates based on high school transcripts, test scores, and comprehensive review scores from the UW Admissions Office. The list of candidates, along with application materials, will be made available to the College of Engineering Council on Educational Policy (CEP). CEP, or a subcommittee thereof, will select 40-50 students to receive Advanced Admission offers, with an expected yield of 30-50%.

The list of candidates for Advanced Admission may be influenced by the direct admissions decisions of the departments. The EADC will collect direct admissions decisions and provide information as necessary to the CEP.

Selected students will receive a letter directly from the College to notify them of their admission to the Advanced Admission program.

Advanced Admission students will be required to file their major declaration with an EADC adviser on or before the Autumn quarter COE undergraduate application deadline (usually July 1) at the conclusion of their first year. The EADC adviser will confirm that all continuation requirements have been met and forward the appropriate information to the relevant department adviser. Students will be considered "admitted" by the department for the following Autumn quarter, receiving the same communications/orientation as other admitted students for that application period.

Eligibility Requirements

To maintain eligibility for Advanced Admission, students must maintain a cumulative GPA of 3.0 in prerequisite courses in mathematics, chemistry, physics, engineering fundamentals, English composition and technical writing; maintain a minimum quarterly GPA of 2.00; and complete a minimum of 25 credits of the prerequisite and other specified courses per academic year.

Advanced Admission students will also be required to enroll in at least one College of Engineering (or related) introductory seminar in their first year (i.e. BIOEN 299, CEE 100, IE 101, or GEN ST 197). The purpose of this requirement is to promote the exploration of the engineering disciplines, preparing the students to make an informed choice of major. The full list of eligible seminars will be maintained by the advising staff in the Engineering Advising & Diversity Center.

College of Engineering Catalog Copy

Admission

There are a variety of pathways students follow in gaining admission to programs in the College of Engineering. Details on the all processes and information on prerequisite course work are available on the individual department web sites or from the Engineering Advising and Diversity Center in 301 Loew Hall. The information below provides an overview of the admission processes.

Department Direct Admission

Incoming freshman who indicate Bioengineering, Chemical Engineering, Computer Engineering, Electrical Engineering, Industrial Engineering, or Material Science & Engineering as their intended area of study on their University application will be considered for direct admission to these programs. The number of students directly admitted to the programs varies from approximately 10 to 20 percent of the incoming class. Direct admission is for autumn quarter only.

College Advanced Admission

Students who indicate an interest in engineering on their University admission application will be considered for the College of Engineering Advanced Admission program, a special program for high achieving incoming freshman. Students accepted to the Advanced Admission program may declare the engineering major of their choice (limited to participating departments) at the conclusion of the first academic year provided eligibility requirements are met. To maintain eligibility for Advanced Admission, students must maintain a cumulative GPA of 3.0 in prerequisite courses in mathematics, chemistry, physics, engineering fundamentals, English composition and technical writing; maintain a minimum quarterly GPA of 2.00; and complete a minimum of 25 credits of the prerequisite and other specified courses per academic year. Advanced Admission students will also be required to enroll in at least one College of Engineering (or related) introductory seminar in their first year. The purpose of this requirement is to promote the exploration of the engineering disciplines, preparing the students to make an informed choice of major. The full list of eligible seminars will be maintained by the advising staff in the Engineering Advising and Diversity Center in 301 Loew Hall.

Regular Admission

All students not admitted directly to an engineering department are admitted to the College of Engineering with pre-engineering status. Students without pre-engineering status who wish to pursue an engineering degree may have their coding changed to pre-engineering upon request at the Engineering Advising and Diversity Center (301 Loew). To retain pre-engineering status, students must maintain a cumulative GPA of 2.50 in prerequisite courses in mathematics, chemistry, physics, engineering fundamentals, English composition and technical writing; maintain a minimum quarterly GPA of 2.00; and complete a minimum of 25 credits of the prerequisite and other specified courses per academic year. A detailed description of pre-engineering continuation requirements is available from the Engineering Advising and Diversity Center, 301 Loew Hall.

Most engineering programs offer an Early Admission option at the end of the freshman year. In general, Early Admission application requirements include one year of calculus, English composition, and 10 to 20 credits of required chemistry or physics. Early Admission is for autumn quarter only.

All engineering programs offer an upper-division admission process. In general, upper-division admission occurs at the end of the sophomore year. Typical application requirements include one year of calculus, differential equations or linear algebra, one or two quarters of general chemistry, two to three quarters of physics, English composition, and several engineering fundamentals courses. The Engineering Advising and

Diversity Center or the individual department or program has a list of specific entrance requirements. All departments offer upper-division admission for autumn quarter and some also offer a spring quarter option.

To apply for admission to an engineering program, enrolled students must submit the online College of Engineering application. The application deadline for autumn admission is July 1. For those programs that accept students for spring quarter, the application deadline is February 1.

Transfer Students

After completing the University transfer student application, transfer students who have completed all upper-division application requirements for their desired program will also need to submit the online College of Engineering application by the specified deadline. Transfer students who have not completed upper-division application requirements may apply for admission to the University as pre-engineering students.