



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 a Bachelor of Science in Chemical 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 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,

A handwritten signature in black ink, appearing to read "Mark".

Mark A. Emmert
President

Enclosure

cc: Ms. Devota Madrano (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Todd Milton, J.D. (with enclosure CHEME-20080229A)

WAR 03 2008



UNIVERSITY OF WASHINGTON
CREATING AND CHANGING UNDERGRADUATE
ACADEMIC PROGRAMS

OFFICE USE ONLY
Control #
CHEME-2008-0229A

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 Chemical Engineering	Date 2-29-2008
-----------------------------------	--	-------------------

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 Chem. Engr. within the Bachelor of Science
- 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	Contact's Phone	Contact's Email
----------------	-----------------	-----------------

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>Eric M. Stone</i>	Date 2/29/08
Dean <i>Ed. Kain</i>	Date 3-7-08
College Committee <i>Yvonne Mestrange</i>	Date 3/11/2008
Faculty Council on Academic Standards <i>George Dillon</i>	Date 4/8/08

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.

Chemical Engineering Catalog Copy

Department Admission Requirements

Applicants are considered in two groups -- Early Admission and Upper-Division Admission. Admission is competitive. Thus, completion of minimum requirements described below does not guarantee admission. All applicants have the right to petition and appeal the department's admission decision. Applications are accepted for autumn quarter only; application deadline is July 1. The application is available at www.engr.washington.edu/uappl.

1. *Direct Freshman Admission*
 - a. Open to freshman students formally admitted to the UW.
 - b. Minimum high school GPA of 3.80; minimum SAT (or equivalent) scores of 1400.
 - c. Indication on the UW freshman application of chemical engineering as the student's first choice of major.
2. *Early Admission*
 - a. *Course requirements:* MATH 124, MATH 125, MATH 126; CHEM 142, CHEM 152, CHEM 162; PHYS 121; and 5 credits of English composition. All courses must be completed prior to the July 1 application deadline.
 - b. *Credit requirements:* Applicants must be completing their freshman year at the UW and must have completed a minimum of 15 credits taken in residence at the UW.
 - c. *Grade requirements:* A minimum grade of 2.0 in each prerequisite course and a minimum GPA of 2.50.
3. *Upper-Division Admission*
 - a. *Course requirements:* MATH 124, MATH 125, MATH 126, MATH 307 (18 credits); CHEM 142, CHEM 152, CHEM 162, CHEM 223 or CHEM 237 (20); PHYS 121, PHYS 122, PHYS 123 (15), CSE 142 (4), CHEM E 260 (8); and one 5-credit English composition course. In addition, it is strongly recommended that students complete CHEM 224 or CHEM 238.
 - b. *Credit and grade requirements:* 75 credits completed by July 1 application deadline, with a minimum overall 2.50 GPA and minimum 2.0 in all courses required for admission.
 - c. Students with a GPA lower than 2.50 for these specified courses or an overall GPA lower than 2.50 for all courses applicable to the B.S.Ch.E. degree seldom succeed in the department. Historically, a GPA of 2.80 or higher in these categories is required for admission to and success in the department.
 - d. Factors included in the admission decision include the course record as indicated above and qualitative considerations such as difficulty of completed courses, frequency of incomplete or withdrawal grades, number of repeated courses, applicable work experience and maturity of attitude, record of honors, a demonstrated ability to take at least 12 credits per quarter, and special circumstances disclosed by the applicant.

Students may also declare into the Chemical Engineering degree program through the College of Engineering Advanced Admission program (see College of Engineering section for Advanced Admission entrance and continuation requirements).