UNIVERSITY OF WASHINGTON

OFFICE OF THE PRESIDENT

June 19, 2009

Dean Matthew O'Donnell
College of Engineering
Box 352180

Dear Matt:

Based on the recommendation of its Subcommittee on Admissions and Programs, the Faculty Council on Academic Standards has recommended approval of the revised program requirements for the College Honors core for Bachelor of Science degrees within the College of 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 spring quarter 2009.

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. Scott Winter (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Mr. Todd Mildon, J.D. (with enclosure ENGR-20090304)

301 Gerberding Hall • Box 351230 • Seattle, Washington 98195-1230 • 206-543-5010 • FAX: 206-616-1784

UNIVERSITY OF WASHINGTON

CREATING AND CHANGING UNDERGRADUATE ACADEMIC PROGRAMS

MAY 2 2 2009
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Control #
ENGR - 20090304

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 Seattle	**Department/Unit** College of Engineering	**Date** March 4, 2009

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 College Honors Core requirements within the Bachelor of Science degrees in Engineering.
- ☐ 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 09**

Contact Person: Scott Winter	Phone: 5-4074	Email: swinter@u.washington.edu	Box: 352180

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*).

The proposal is to change the Honors Core requirement for Engineering "College Honors" to one approved Natural Science sequence, any combination of three Civilization courses (courses that apply towards VLPA or I&S), and any combination of three additional courses approved by the Honors Program as applying towards the Honors Core requirement.

At the time the College of Engineering Honors requirements were developed, the University Honors Program general education courses or Honors Core courses were very tightly organized around full-year sequences. As a result, the College of Engineering (COE) Honors Core requirement was based on completion of sequences. There are two options for completing the COE Honor Core. The original requirement options were 1). Completion of two approved natural science sequences and one Civilization sequence or 2). Completion of one approved natural science sequence and two Civilization sequences. As the Honors program expanded, it became less practical to base the Honors Core tightly around completion of sequences. Therefore, the COE Honors Core options have evolved to be 1). Completion of two approved natural science sequences and three Civilization courses or 2). Completion of one approved natural science sequence and six Civilization courses.

The common elements in both requirement options are for one approved Natural Science sequence and at least three Civilization courses. The current options require students to take either a second full natural science sequence or three additional Civilization courses. There are many combinations of Honors Core courses in between these two options that might better meet the goals and interests of a College Honors student. Therefore, it is being proposed that the additional three courses be allowed to come from any combination of Honors Core courses.

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.

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:	Date:
	5-12-09
College/School/Campus Curriculum Committee:	Date:
	5-19-09

Dean/Vice Chancellor: Eve A. Klehm	Date: 5-12-09
Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair: John L Schaufelberger	Date: 6/16/09
POST TRI-CAMPUS APPROVAL (when needed)	
Faculty Council on Academic Standards/ General Faculty Organization/Faculty Assembly Chair:	Date:

Proposed Changes to Catalog Language Describing the College of Engineering Honors Program Requirements

March 5, 2009

The changes described below incorporate proposed changes to the COE Honor Core requirements as well as a number of language clarifications.

Honors Program

301 Loew

The College of Engineering Honors Program offers students of outstanding performance and achievement a course of study designed to provide intellectual challenge in a stimulating learning atmosphere which draws on the resources of a large, diversified university. Students entering the Honors Program become candidates for the degree "With College Honors" or "With Distinction (Departmental Honors)."

The College Honors Degree

Students who complete this program receive a degree "With College Honors."

The College ~~honors~~ Honors degree requires that students participate in the University Honors Program and complete honors general-education course work. ~~while taking engineering prerequisites in the College of Arts and Sciences~~. When these students are admitted to engineering departments, they may be ~~nominated to enroll~~ invited to participate in the Engineering Departmental Honors Program. Completion of the College Honors degree involves both an honors general-education component and advanced honors work completed after students have been admitted to ~~the~~ a College of Engineering departmental program.

Admission Requirements: Minimum cumulative GPA of 3.30, minimum departmental GPA (varies from department to department), and participation in the University Honors Program ~~as a pre-engineer~~.

Graduation Requirements: The College ~~honors~~ Honors curriculum consists of two parts: a general-education component referred to as the Honors Core and a component in the student's major department. The ~~general-education component~~ Honors Core is generally completed during the student's freshman and sophomore years. ~~Students select three sequences, each three quarters long, from honors, mathematics, natural science, and civilization offerings~~. Students must complete at least one Natural Science honors sequence from an approved list, at least three Honors Core courses that apply towards the VLPA or I&S requirements, and any combination of at least three additional Honors Core courses.

The second component generally occurs during the junior and senior years. Students ~~then~~ select a total of 9 credits of ~~College~~ honors courses within their major, with a minimum of 3 credits of departmental 499H Special Projects (or ENGR 499H). The additional honors credits can be fulfilled with either special projects or ad hoc courses.

The Departmental Honors Degree

Students who complete this program receive a degree "With Distinction."

Admission Requirements: Minimum cumulative GPA of 3.30, minimum departmental GPA (varies from department to department).

Graduation Requirements: Students are ~~nominated for~~ invited into the Departmental Honors Program when they have been in their department for a minimum of one quarter. Students should consult with their departmental advisers for specific information on how to initiate this process. Students select a total of 9 credits of ~~college~~ departmental honors courses with a minimum of 3 credits of departmental 499H Special Projects (or ENGR 499H). The additional honors credits can be fulfilled with either special projects or ad hoc courses.

Departmental honors degrees are offered in the following degree programs: Aeronautics and Astronautics, Bioengineering, Chemical Engineering, Civil and Environmental Engineering, Computer Engineering, Electrical Engineering, Industrial Engineering, Materials Science and Engineering, Mechanical Engineering, Technical Communication, and Paper Science and Engineering. The paper science and engineering major is offered in the College of Forest Resources and is a joint program with the College of Forest Resources and the College of Engineering.

Current Requirement

HONORS PROGRAM

HONORS REQUIREMENTS FOR THE
COLLEGE OF ENGINEERING

There are two types of Honors Degrees at the University of Washington: College Honors and Departmental Honors (outlined on reverse).

College Honors

To graduate College Honors (diploma will read "With College Honors"), students must complete **BOTH** the Honors Core **AND** all Departmental Honors requirements in their major. Engineering students complete the Honors Core through either Option 1 **or** Option 2:

HONORS CORE **+ DEPARTMENTAL**

Option 1

Natural Science	Honors Civilization*	Departmental Honors
(Must complete two *sequences*) *Choose from:* PHYS 121, 122, 123 (HONORS SECTION ONLY) MATH 124, 125, 126 (HONORS SECTION ONLY) MATH 134, 135, 136 MATH 334, 335, 336 CHEM 145, 155, 165 CHEM 335, 336, 337 BIOC 440, 441, 442 (HONORS SECTION ONLY) BIO 180, 200, 220 *with* Honors Biology Seminar	(Any combination of any 3 courses) *Choose from:* H A&S 251, 252, 253 H A&S 261, 262, 263 HIST 111, 112, 113 (HONORS SECTION ONLY) SIS 200, 201, 202 (HONORS SECTION ONLY) RUSS 321, 322, 323 (HONORS SECTION ONLY) HUM 2xx (HONORS SECTIONS ONLY – COURSE NUMBERS WILL VARY)	(9 Credits) Honors Engineering students are required to complete a total of 9 Honors credits, with at least 3 credits of Departmental 499H Special Projects (or ENGR 499H). The remaining honors credits can be fulfilled with either special projects or Ad Hoc courses. Through the Ad Hoc option, students can contract with the instructor in a given course to complete additional work and obtain Honors credit.

- OR -

Option 2

Natural Science	Honors Civilization*	Departmental Honors
(Must complete one *sequence*) *Choose from Science courses listed above.*	(Any combination of any 6 courses) *Choose from Honors Civilization courses listed above.*	(9 Credits) *Same requirements as described above.*

***Under Option 2 students who complete six Honors Civilization courses will be considered to have their College of Engineering VLPA/I&S requirements met**

***Note:** If only 15 credits of Civilization courses are taken, depending on the department, students must complete an additional 9-15 credits of either VLPA or I&S courses in order to satisfy the College of Engineering Areas of Knowledge Requirements. Depending on the department, other Proficiency Requirements (like English Composition) may also need to be satisfied. See your departmental advisor once you have been accepted into your major.

Ad Hoc: Students may fulfill Honors core requirements by completing an ad hoc project in a non-honors course. See an Honors advisor for more information and an ad hoc contract.

HONORS PROGRAM

HONORS REQUIREMENTS FOR THE
COLLEGE OF ENGINEERING

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College Honors - *DRAFT*

To graduate College Honors (diploma will read "With College Honors"), students must complete **BOTH** the Honors Core **AND** all Departmental Honors requirements in their major.

HONORS CORE **+ DEPARTMENTAL**

Natural Science	Honors Civilization*	Additional Honors Courses	Departmental Honors
(Must complete one *sequence*)	(Any combination of any 3 courses)		(9 Credits)
Choose from:	*Choose from:*	*Choose from:*	Honors Engineering students are required to complete a total of 9 Honors credits, with at least 3 credits of Departmental 499H Special Projects (or ENGR 499H). The remaining honors credits can be fulfilled with either special projects or Ad Hoc courses. Through the Ad Hoc option, students can contract with the instructor in a given course to complete additional work and obtain Honors credit.
PHYS 121, 122, 123 (HONORS SECTION ONLY)	Honors ~~H A&S 251~~ 251, 252, 253	Any combination of any 3 courses approved by the Honors Program as applying towards the Honors Core requirement	
MATH 124, 125, 126 (HONORS SECTION ONLY)	Honors ~~H A&S~~ 261, 262, 263		
MATH 134, 135, 136	HIST 111, 112, 113 (HONORS SECTION ONLY)		
MATH 334, 335, 336	SIS 200, 201, 202 (HONORS SECTION ONLY)		
CHEM 145, 155, 165	RUSS 321, 322, 323 (HONORS SECTION ONLY)		
CHEM 335, 336, 337	HUM 2xx (HONORS SECTIONS ONLY – COURSE NUMBERS WILL VARY)		
BIOC 440, 441, 442 (HONORS SECTION ONLY)			
BIO 180, 200, 220 *with* Honors Biology Seminar			

***Note:** If only 15 credits of Civilization courses are taken, depending on the department, students must complete an additional 9-15 credits of either VLPA or I&S courses in order to satisfy the College of Engineering Areas of Knowledge Requirements. Depending on the department, other Proficiency Requirements (like English Composition) may also need to be satisfied. See your departmental advisor once you have been accepted into your major.

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