

MAY 22 2009



UNIVERSITY OF WASHINGTON
**CREATING AND CHANGING UNDERGRADUATE
 ACADEMIC PROGRAMS**

OFFICE USE ONLY
 Control #
CHEMC-20090514

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 Engineering	Department/Unit Chemical Engineering	Date 5/14/09
-----------------------------------	---	---------------------

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 Chemical Engineering within the Bachelor of Science.
- 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:** 2009

Contact Person:	Phone:	Email:	Box:
-----------------	--------	--------	------

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).

All of our majors need to have some background in programming, control structures, file processing. Students without this background should take CSE 142 or an equivalent (the current prerequisite). However, a growing number of applicants to the major have the needed programming background in a wide variety of possible forms. Those students need not repeat overlapping content in CSE 142, but be encouraged to complete AMATH 301 where they get scientific computing and matlab, which is becoming more widely available at the community colleges as well as at the UW. The skills obtained through AMATH 301 are directly applicable to our degree. We would thus like the current prerequisite (CSE 142) changed to allow either course (AMATH 301 or CSE 142) as the prerequisite and as the degree requirement."

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: <u>Applied Mathematics</u>	Chair/Program Director: <u>J. My</u>	Date: <u>5/15/09</u>
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.

Department Admission Requirements

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 (19); PHYS 121, PHYS 122, PHYS 123 (15), CSE 142 (4), CHEM E 260 (4); and one 5-credit English composition course. In addition, it is strongly recommended that students complete CHEM 224 or CHEM 238.

Graduation Requirements

Major Requirements (71 credits)

1. Engineering Fundamentals (8 credits): CHEM E 260; CSE 142

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.

Department Admission Requirements

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 (19); PHYS 121, PHYS 122, PHYS 123 (15), AMATH 301 or CSE 142 (4), CHEM E 260 (4); and one 5-credit English composition course. In addition, it is strongly recommended that students complete CHEM 224 or CHEM 238.

Graduation Requirements

Major Requirements (71 credits)

1. Engineering Fundamentals (8 credits): CHEM E 260; AMATH 301 or CSE 142

APPROVALS

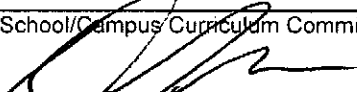
Chair/Program Director:



Date:

5/14/09

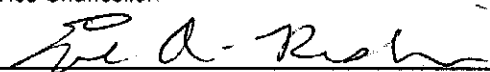
College/School/Campus Curriculum Committee:



Date:

5-19-09

Dean/Vice Chancellor:



Date:

5-20-09

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

Date:

POST TRI-CAMPUS APPROVAL (when needed)

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

Date: