



OFFICE OF THE PRESIDENT

July 6, 2012

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 admission and program requirements for the Bachelor of Science in Aeronautics and Astronautics 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 2011.

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 "Michael K. Young".

Michael K. Young
President

Enclosure

cc: Ms. Marlo Anderson (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Ms. Virjean Edwards (with enclosure AA-20110525)



UNIVERSITY OF WASHINGTON

CREATING AND CHANGING UNDERGRADUATE ACADEMIC PROGRAMS



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/Seattle	Department/Unit Aeronautics and Astronaut	Date 5/25/11
New Programs		
<input type="checkbox"/> Leading to a Bachelor of _____ in _____ degree.		
<input type="checkbox"/> Leading to a Bachelor of _____ degree with a major in _____.		
<input type="checkbox"/> Leading to a _____ Option within the existing major in _____.		
<input type="checkbox"/> Leading to a minor in _____.		
Changes to Existing Programs		
<input type="checkbox"/> New Admission Requirements for the Major in _____ within the Bachelor of _____.		
<input checked="" type="checkbox"/> Revised Admission Requirements for the Major in <u>Aeronautics and Astronautics</u> within the Bachelor of <u>Science</u> .		
<input checked="" type="checkbox"/> Revised Program Requirements for the Major in <u>Aeronautics and Astronautics</u> within the Bachelor of <u>Science</u> .		
<input type="checkbox"/> Revised Requirements for the Option in _____ within the major in _____.		
<input type="checkbox"/> Revised Requirements for the Minor in _____.		
Other Changes		
<input type="checkbox"/> Change name of program from _____ to _____.		
<input type="checkbox"/> New or Revised Continuation Policy for _____.		
<input type="checkbox"/> Eliminate program in _____.		
Proposed Effective Date: Quarter: <input checked="" type="checkbox"/> Autumn <input type="checkbox"/> Winter <input type="checkbox"/> Spring <input type="checkbox"/> Summer Year: 20 11		
Contact Person: Marlo Anderson	Phone: 206-616 _____	Email: marlo@aa.washington.edu
		Box: 352400
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).		
See Attached.		
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:

James Henderson

5/31/11

College/School/Campus Curriculum Committee:

Date:

Robert E. Brident

5/31/11

Dean/Vice Chancellor:

Date:

Red Koin

6/6/11

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:

May 25, 2011

Rationale for Proposed Change to Drop HCDE 231 as a Graduation Requirement

We are requesting that we be allowed to drop HCDE 231 as a graduation requirement. The University's writing requirement can be fulfilled by other available means, as shown in our proposed catalog copy and this will remove the barriers that many students in our department as well as other departments in the College of Engineering.

As it currently stands, our students will have to wait until they are seniors before they can take HCDE 231. Taking this course that late in their academic careers doesn't help them acquire the necessary writing skills that are needed in our junior lab sequence. By allowing W courses, students will be able to acquire those writing skills much earlier during the freshmen and sophomore years.

Without these changes being approved, the time to degree will be extended well beyond the current four years. In our current and yet unknown budget situation it is highly unlikely that additional resources will become available in the near future to allow HCDE to add sufficient sections of HCDE 231 to accommodate all the students who need them. Widening the selection or options for students to complete their University writing requirements will certainly remove some of the anxiety they will be encountering during the next year and beyond.

Current Catalog Copy

Department Admission Requirements

Upper-Division Admission

1. *Course Requirements:* MATH 124, MATH 125, MATH 126, MATH 307, MATH 308, MATH 324, PHYS 121, PHYS 122, PHYS 123, CHEM 142, A A 210, AMATH 301, CEE 220, M E 230, ~~CHEM-E-260, HCDE-231~~, and 5 credits of English composition. (AMATH 301 and/or MATH 324 may be taken as late as the autumn quarter of admission but would create an extremely heavy course load if both are taken the same quarter.)
2. *Grade Requirements:* At least 75 credits completed, with a minimum GPA of 2.50 in courses required for admission and a minimum grade of 2.0 in each course required for admission consideration.
3. *Completion of minimum requirements does not guarantee admission.*

~~Students may also declare into the Aeronautical and Astronautical degree program through the College of Engineering Advanced Admission program (See College of Engineering section for entrance and continuation requirements.)~~

Graduation Requirements

180 credits, as follows:

1. **General Education Requirements (~~85 credits~~)**
2. a. *Areas of Knowledge (49 credits):*
 - i. Visual, Literary, and Performing Arts (VLPA) and Individuals & Societies (I & S) - 24 credits, to include a minimum 10 credits in VLPA and a minimum 10 credits of I & S, plus 4 additional credits in either area.
 - ii. Natural World - 25 credits to include CHEM 142, PHYS 121, PHYS 122, PHYS 123, and an additional 5 credits of natural world courses (See department for list of approved courses.)
- b. *Mathematics (24 credits):* MATH 124, MATH 125, MATH 126, MATH 307, MATH 308, and MATH 324.
3. *Written and Oral Communication: (~~12 credits~~):* One 5-credit English composition course from the University list; ~~HCDE 231 and HCDE 333 or department-approved alternative).~~
4. **Major Requirements (95 credits)**
 - a. *Engineering Fundamentals (16 credits):* A A 210, CEE 220, M E 230, and ~~Chem-E-260~~.
 - b. *Professional Courses (73 credits):* Junior-year professional program courses (all required). Senior-year courses consist of A A 410-A A 411 (or A A 420-A A 421), A A 447 and 15 credits of senior technical electives. With approval, 3 credits of the latter may be chosen from another area of engineering.
 - c. *Electives: 6 credits of free electives, used to meet the 180 credits required for graduation.*

Proposed Catalog Copy

Department Admission Requirements

Upper-Division Admission

1. *Course Requirements:* MATH 124, MATH 125, MATH 126, MATH 307, MATH 308, MATH 324, PHYS 121, PHYS 122, PHYS 123, CHEM 142, A A 210, AMATH 301, CEE 220, M E 230, A A 260, and 5 credits of English composition. (AMATH 301 and/or MATH 324 may be taken as late as the autumn quarter of admission but would create an extremely heavy course load if both are taken the same quarter.)
2. *Grade Requirements:* At least 75 credits completed, with a minimum GPA of 2.50 in courses required for admission and a minimum grade of 2.0 in each course required for admission consideration.
3. *Completion of minimum requirements does not guarantee admission.*

Graduation Requirements

180 credits, as follows:

1. **General Education Requirements (78 credits)**

- a. *Areas of Knowledge* (49 credits):

- i. Visual, Literary, and Performing Arts (VLPA) and Individuals & Societies (I & S) - 24 credits, to include a minimum 10 credits in VLPA and a minimum 10 credits of I & S, plus 4 additional credits in either area.
 - ii. Natural World - 25 credits to include CHEM 142, PHYS 121, PHYS 122, PHYS 123, and an additional 5 credits of natural world courses (See department for list of approved courses.)

- b. *Mathematics* (24 credits): MATH 124, MATH 125, MATH 126, MATH 307, MATH 308, and MATH 324.

3. *Written and Oral Communication:* One 5-credit English composition course from the University list; and 7 additional credits of approved English Writing courses.

4. **Major Requirements (102 credits)**

- a. *Engineering Fundamentals* (16 credits): A A 210, CEE 220, M E 230, and A A 260.
 - b. *Professional Courses* (73 credits): Junior-year professional program courses (all required). Senior-year courses consist of A A 410-A A 411 (or A A 420-A A 421), A A 447 and 15 credits of senior technical electives. With approval, 3 credits of the latter may be chosen from another area of engineering.
 - c. *Electives:* 13 credits of free electives, used to meet the 180 credits required for graduation.