

April 28, 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 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 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: Ms. Marlo Anderson (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Mr. Todd Mildon, J.D. (with enclosure AA-20090311)



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

OFFICE USE ONLY
 Cont #
AA-20090311

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 Aeronautics and Astronaut	Date March 11, 2009
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 type="checkbox"/> Revised Admission Requirements for the Major in _____ within the Bachelor of _____.		
<input checked="" type="checkbox"/> Revised Program Requirements for the Major in <u>Aeronautical and Astronautical</u> within the Bachelor of <u>Science in A & A En</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:** Autumn Winter Spring Summer **Year:** 20 09

Contact Person: Marlo Anderson	Phone: 616.1115	Email: marlo@aa.washington.edu	Box: 352400
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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).*

We are planning to discontinue teaching AA 409 Computer Tools, 2 credits, that is currently part of our 400 level core course requirements for graduation. We find that this course is no longer necessary because students are already familiar with the computer tools that this course taught. This change will result in the decrease of credits required for the departmental major from 75 to 73 but will increase the Free Electives of the 2 credit. This change will not increase the overall number of program credits nor will it increase the time to graduation. The students will actually benefit from the change by having more free elective credits and flexibility to explore courses outside the major.

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:

William J. ...

Date:

3/12/09

College/School/Campus Curriculum Committee:

[Signature]

Date:

4-7-09

Dean/Vice Chancellor:

Evel A. Reskin by Janel Henderson

Date:

4-8-09

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:

John Schragberg

Date:

4/24/09

Current Catalog Listing

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, AA 210, AMATH 301⁺, CEE 220, ME 230, CHEM E 260, TC 231 and 5 credits of English composition.

⁺ AMATH 301 and/or MATH 324 may be taken as late as autumn quarter of admission but will create an extremely heavy course load if both are taken.

2. *Grade requirements:* At least 75 credits must be completed, with a minimum overall GPA of 2.50 and a minimum grade of 2.0 in each course required to be considered for admission. Completion of minimum requirements described above does not guarantee admission.

Graduation Requirements

180 credits as follows:

1. **General Education Requirements (85 credits)**
 - a. *Areas of Knowledge:* 49 credits as follows:
 - *Visual, Literary, and Performing Arts (VLPA) and Individuals & Societies (I&S):* 24 credits to include: A minimum of 10 credits in VLPA and a minimum of 10 credits of I & S plus 4 additional credits in either area.
 - *Natural World:* 25 credits to include:
 - CHEM 142 (5 credits)
 - PHYS 121, PHYS 122, PHYS 123 (15 credits).
 - An additional 5 credits of natural-world courses are required. (See department for a list of approved courses.)
 - b. *Mathematics:* 24 credits to include: MATH 124, MATH 125, MATH 126, MATH 307, MATH 308, and MATH 324.
 - c. *Written and Oral Communications:* 12 credits to include: one 5-credit English composition course from the University list, TC 231, and TC 333 (or department-approved alternative).
2. **Major Requirements (95 credits)**
 - a. *Engineering Fundamentals:* 16 credits to include: AA 210, CEE 220, ME 230, and CHEM E 260.
 - b. *Professional Courses:* 75 credits to include:
Junior-year professional program courses are all required. The senior year consists of AA 409, AA 410-AA 411 or AA 420-AA 421, AA 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:* 4 credits of free electives, which may be used to meet the 180 credits required for graduation.

Proposed Catalog Listing

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, AA 210, AMATH 301⁺, CEE 220, ME 230, CHEM E 260, TC 231 and 5 credits of English composition.

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2. *Grade requirements:* At least 75 credits must be completed, with a minimum overall GPA of 2.50 and a minimum grade of 2.0 in each course required to be considered for admission. Completion of minimum requirements described above does not guarantee admission.

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 - b. ***Mathematics:*** 24 credits to include: MATH 124, MATH 125, MATH 126, MATH 307, MATH 308, and MATH 324.
 - c. ***Written and Oral Communications:*** 12 credits to include: one 5-credit English composition course from the University list, TC 231, and TC 333 (or department-approved alternative).
2. **Major Requirements (95 credits)**
 - a. ***Engineering Fundamentals:*** 16 credits to include: AA 210, CEE 220, ME 230, and CHEM E 260.
 - b. ***Professional Courses:*** ~~75~~ 73 credits to include: Junior-year professional program courses are all required. The senior year consists of ~~AA 409~~, AA 410-AA 411 or AA 420-AA 421, AA 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:*** ~~4~~ 6 credits of free electives, which may be used to meet the 180 credits required for graduation.