



OFFICE OF THE PRESIDENT

October 18, 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 2012.

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-20120423)



UNIVERSITY OF WASHINGTON

CREATING AND CHANGING UNDERGRADUATE
ACADEMIC PROGRAMS

JUN 15 2012

OFFICE USE ONLY

Control #

AA-2420423

After college/school/campus review, send a signed original and 1 copy 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
Astronautics

Date April 23, 2012

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 Aeronautical and Astronautical within the Bachelor of Science.
☒ Revised Program Requirements for the Major in Aeronautical and Astronautical within the Bachelor of Science.
☐ 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:** 2012__

Contact Person: Marlo Anderson

Phone: 616-
1115

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).

The College of Engineering has just been granted a change to the writing requirements required by the college for graduation. This change allows departments to use departmentally approved alternatives in place of HCDE 231. This change allows us to request that HCDE 231 be dropped as an admission requirement as well as a graduation requirement for our department..

We have also added a Direct Freshman Admission as an option to our program and are requesting that the Advanced admission option be deleted as it is no longer being done by the College of Engineering.

The other changes to our catalog listing are just wording to clarify some of the areas that have created questions in the past. None of the changes shown increase the time to degree and actually do decrease the number of prerequisites that were required for admission.

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.

Please 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.

Please see attached.

APPROVALS

Chair/Program Director:

Date:

5/7/12

College/School/Campus Curriculum Committee:

Date:

6-5-2012

Dean/Vice Chancellor:

Date:

6-13-2012

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

Date:

10-12-2012

POST TRI-CAMPUS APPROVAL (when needed)

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

Date:

Current Catalog Copy

Department Admission Requirements

Applicants are considered in two groups -- Early Admission and Upper-Division Admission. Admission is competitive. 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.

Early Admission (Limited number of students admitted through this process)

1. *Course requirements:* MATH 124, MATH 125, MATH 126; 10 credits of physical science courses plus accompanying laboratory at the level of PHYS 121, PHYS 122, PHYS 123, or CHEM 142 or above; and 5 credits of English composition. All courses must be completed prior to the July 1 application deadline.
2. Applicants must be currently enrolled at the UW and must have a minimum of 15 credits taken in residence at the UW.
3. ~~Early admission students may start the autumn-quarter, junior-year program after meeting the requirements and standards for upper-division admission.~~

Completion of minimum requirements does not guarantee admission.

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)

- 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.
- c. *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).

2. 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

Applicants are considered in ~~two~~ three groups – Direct Freshman Admission, Early Admission, and Upper-Division Admission. Admission is competitive. All applicants have the right to petition and appeal the department's admission decision. Applications are accepted for autumn quarter only; the application deadline is July 1.

Direct Freshman Admission

The department enrolls a select number of students directly from high school, prior to completion of University-level prerequisites. Students accepted to the UW who indicate Aeronautics and Astronautics as their preferred major on the freshman application are automatically considered. Competitive applicants have taken or are taking calculus and at least two years of laboratory science (physics and chemistry preferred) in high school.

Admission is for autumn quarter only.

Early Admission

Applicants must be currently enrolled at the UW and must have a minimum of 15 credits of the prerequisites listed below, taken in residence at the UW.

1. *Course requirements:* MATH 124, MATH 125, MATH 126; 10 credits of physical science courses plus accompanying laboratory at the level of PHYS 121, PHYS 122, PHYS 123, or CHEM 142 or above; and 5 credits of English composition. All courses must be completed prior to the July 1 application deadline. Admission is for autumn quarter only.
2. *Grade Requirements:* At least 15 credits completed, with a minimum grade of 2.0 in each prerequisite course required for admission, and a minimum GPA of 2.50 in all the courses required for admission.

Completion of minimum requirements does not guarantee early admission. Admission is highly competitive. Typically, early admission students have cumulative GPAs significantly above 3.0.

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, CHEM-E A A 260, AMATH 301, CEE 220, M E 230, 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 grade of 2.0 in each prerequisite course required for admission, and a minimum GPA of 2.50 in all the courses required for admission.

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 (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 (Consult department for list of approved courses.)
 - b) *Mathematics* (24 credits): MATH 124, MATH 125, MATH 126, MATH 307, MATH 308, and MATH 324.
 - c) *Written and Oral Communication*: One 5-credit English composition course from the University list. Additional writing credits are built into the major core courses.
2. **Major Requirements (89 credits)**
 - a) *Engineering Fundamentals* (16 credits): A A 210, CEE 220, M E 230, and A A 260.
 - b) *Departmental Core Professional Courses* (73 credits): Junior-year department core 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.
3. **Free Electives (13 credits)**

Jennifer A. Payne

From: Marlo Anderson <marlo@aa.washington.edu>
Sent: Monday, October 08, 2012 5:31 PM
To: Jennifer A. Payne
Subject: Re: A A 1503

Jennifer,

Do you mean this statement:

Early admission students may start the autumn-quarter, junior-year program after meeting the requirements and standards for upper-division admission.

1) The intention of #3 was to make sure that the Early Admission students were aware that they couldn't start taking the 3XX AA course work. Go ahead and remove it.

a. Yes. The Early Admission student grade are monitored each quarter the same as the Upper Division Admission students.

We would if there had ever been such a case. In all the years we have admitted Early Admission students we have never had to remove anyone. A couple of students who were not doing well realized it early on and changed their major out of the department.

2) Yes we have a continuation policy that has been in place for years that was very similar to the COE. In the Spring of 2012 we made some minor changes and submitted it to the CEP. They held it up and would not act on it because of the pending University's new Satisfactory Progress Policy. Please see below the specific minutes from the CEP May 15, 2012, meeting that the CEP holding up.

COUNCIL ON EDUCATIONAL POLICY

Meeting Minutes: May 15, 2012

3:30-5:00 PM, 355 Loew

Aeronautics & Astronautics Continuation Policy

Scott Winter is on the subcommittee that will make recommendations for the College's continuation policy. He said the UW is updating their policy. UW's policy might form some of the language that programs should use in their continuation policies. AA's policy will be reviewed with the other department policies. Probably in autumn, Scott will have some template language ready.

Please let me know if you need anything further.

Regards,
Marlo Anderson, Manager
Undergraduate Program and Academic Advisor
211 Guggenheim Hall, Box 352400
Seattle, Wa 98195-2400
206-616-1115, FAX 206-543-0217
marlo@aa.washington.edu

On 10/8/2012 2:42 PM, Jennifer A. Payne wrote:

Marlo,

SCAP is fine overall with your 1503 changes for HCDE 231/writing courses, however they want me to ask about the following before they move it forward to FCAS:

- 1) What is the intention and use of bullet #3 in the Early Admissions and why that statement is not in the Direct Freshman Admissions?
 - a. Do you require your early admissions students to the same grade standards as your upper division admission students? If yes – how. Do you remove early admissions students who do not earn high enough grades in the remaining upper division admissions courses?
- 2) Do you have a continuation policy and if not you need to create one.

They said if you remove bullet three from Early Admissions they would move the 1503 to FCAS this week, otherwise it goes back to SCAP on the 19th.

Jennifer

Jennifer Payne, M.Ed.
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