



UNIVERSITY OF WASHINGTON

OFFICE OF THE PRESIDENT

Mark A. Emmert, President

July 9, 2007

Vice Provost Cheryl Cameron
Academic Personnel
Box 351237

Dear Cheryl:

Based upon the recommendations of the Faculty Council on Academic Standards, the Faculty Council on Tri-Campus Policy has recommended approval of a minor in Aerospace Leadership Studies. A copy of the proposal is attached.

I am writing to inform you that the program in Aerospace Studies is authorized to offer this minor beginning spring quarter 2007 and thereafter.

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 "Mark".

Mark A. Emmert
President

Enclosure

cc: Col. P.K. White (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Todd Milton, J.D. (with enclosure AS-20070419)

AS - 20070414
 Revised



Creating & Changing Undergraduate Academic Programs*
 After college/school review, send signed original and 8 copies to: University Registrar, 355850

College: (Independent Program) Department or Unit: Aerospace Studies Date: 4/24/07

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 Aerospace Studies

Changes to existing programs ^{Leadership}

- 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 _____ 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/year) SPRING ~~Autumn~~ 2007

| Contact Person | Phone Number | Email |
|----------------------------|--------------|-------------------------|
| P.K. White/Tammy M. Ortung | 3-2360 | pkwhite@u./tmo2@u.wash. |

1. Explanation of and Rationale for Proposed Change: (Please use additional pages if necessary. For new programs, please include any relevant supporting documentation such as student learning outcomes, projected enrollments, letters of support, and departmental handouts.)

Air Force Reserve Officers Training Corps (AFROTC) students are required to complete up to 24 credits of Aerospace Studies (AS) coursework in order to complete the AFROTC Program and be commissioned as officers in the Air Force. Furthermore, many of our scholarship cadets are required to take 18 credits in a foreign language. Although some AS courses count toward the General Education Requirements, most of these AS credits are in addition to their degree requirements, and AFROTC students frequently graduate with more total credits than many of their peers.

The AS curriculum includes courses in Air Force and Air Power history, national security, regional studies, military justice, leadership, management, and ethics, which together form a coherent academic preparation for service as commissioned Air Force officers. (AFROTC students also complete other UW coursework, significant labwork and physical training, and attend summer training between the sophomore and junior years). This required Aerospace Studies coursework represents a significant concentration and specialization in one subject area, meriting recognition as a minor field of study.

All Aerospace Studies courses are open to the University community. If approved, we expect to award recognition for the minor to 25 or more students a year.

Creating & Changing Undergraduate Academic Programs

2. Catalog Copy

A. 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.)

n/a

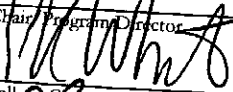
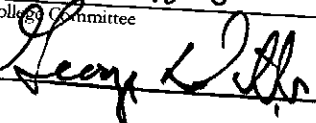
B. Proposed Catalog Copy, Reflecting Requested Changes (Include exact wording as you wish it to be shown in the printed catalog. Please underline or otherwise highlight any additions. If needed, attach a separate, expanded version of the changes that might appear in department publications.)

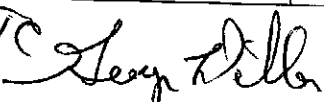
Minor in Aerospace Studies:

1. Complete 29 credits of Aerospace Studies coursework: 18 credits must be 300- or 400-level courses and 5 credits must be any foreign language.
2. At least 24 of the credits presented for the minor must be taken at the University of Washington.
3. Students must achieve a minimum 2.5 in each course presented for the minor.

See attached

2. Signatures (required)

| | | | |
|---|-------------------|---|-----------------|
| Chair, Program Director  | Date 24 APR 07 | Dean N/A | Date |
| College Committee  | Date | Faculty Council on Academic Standards a copy to TC | Date 5/11/07 |

Port TC  6/19/07

Rationale:

Change the second paragraph to read:

...The AS curriculum includes courses ... and ethics. Study of a foreign language is also required as a complement to AS 432, which focuses on world regional studies (with a social, cultural, political, and economic emphasis). Together, this coursework forms a coherent academic preparation for service ...

Catalog copy:

Minor in Aerospace Studies

Leadership

Minor Requirements: 29 credits, to include the following:

1. 24 credits of Aerospace Studies coursework:
2. 5 credits of any foreign language beyond the first-year level.
3. A minimum of 18 credits of Aerospace Studies coursework must be completed at the upper-division level.
4. A minimum of 24 credits must be completed in residence at the UW.
5. A minimum grade of 2.5 in each course presented for the minor.

Leadership

Minor in Aerospace Studies (AS-20070419)

Tri-Campus Review Comments:

Comment by jhl made 5/15/2007 9:06:23 AM

I was confused by the title of this minor. I instantly thought of Aeronautics and Astronautics and thought it had something to do with that department, which is why I chose to look at the proposal. I'm in a sciences department. I'd suggest using some more informative title like Aerospace Leadership Studies.

Comment by Ethan Merritt made 5/15/2007 9:34:26 AM This is a grossly mis-named proposal. The description as provided in no way constitutes a program in "Aerospace Studies". Rather it is a direct parallel to the Army and Naval ROTC proposals, based on topics mandated by the military and of dubious academic value at best.

Foreign language study is of course of great benefit, but this benefit is already recognized through existing UW requirements and opportunities for academic degrees. Other than possibly the vague "regional studies", the rest of the described work is not academically motivated and does not warrant recognition as an academic degree or minor.

Comment by Bruce Hevly made 5/15/2007 10:18:21 AM

I agree the title for this proposed minor is problematic and should be revised to avoid confusion with Aero/Astro.

Comment by Amanda Swarr made 5/15/2007 5:54:59 PM

There is no academic merit to this minor and it should be opposed on this basis.

Comment by Janice DeCosmo made 5/17/2007 3:10:20 PM

This seems like it might be better suited for a certificate program

Comment by osborne made 5/23/2007 1:05:34 PM

A renaming may be in order. I only recognized the content because I was once an undergraduate here, during which time I took Air Force ROTC for my first two years. As such, I can say that the comment that the content is "Of dubious academic value at best" is false. I obtained a very good introduction to military history from their reading list, for example. (The meaning of "Column Right, March!" is another matter.)

Captain Richard Fitzpatrick

From: Col PK White [pkwhite@u.washington.edu]
Sent: Thursday, May 24, 2007 3:12 PM
To: CAPT Fitzpatrick
Cc: LTC Rogers
Subject: Comments - Minor In Aerospace Studies
Importance: High

Rich,

Here are the comments thus far on our "Minor In Aerospace Studies" proposal:

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As you can see, 4 of the 6 comments have concerns with the title of our course. Now, there has been an
5/31/2007

academic course of study at the University of Washington entitled "Aerospace Studies" for nearly 40 years (before that, it was simply called "AFROTC"). However, I believe the comments are valid. All three ROTC programs place heavy emphasis on leadership. **I am therefore willing to comply with the suggestion made in the comments, and rename our course of study "Aerospace Leadership Studies".**

The other comments refer to the academic merits of the course. The comment made by Amanda Swarr ("no academic merit") has already been rendered invalid by the SCAP by allowing us to submit our proposal in the first place. The similar comment by Ethan Merritt has also been rendered invalid by the very precise examination of the SCAP to our language requirement and Regional Studies focus. I have already supplied the syllabus, textbook, and requirements for the course – as you remember, the SCAP was more than satisfied. Finally, the last comment by "Osborne" absolutely supports the academic value of Aerospace Studies. It is noteworthy that this individual only participated in the first two years of the course. The academic challenges are *significantly* magnified during the 3rd and 4th years, just as it is in Naval Science and Military Science.

More data points: Nearly 20% of the students in our AS 432 Regional Studies class are non-ROTC UW students. In our course surveys, our instructors average in the 4.7 to 4.9 range (5.0 being the best). The average GPA for the 130 students in AFROTC is 3.40 – that is the cumulative GPA that includes their non-ROTC courses. Our students major in engineering, mathematics, atmospheric science, history, political science, languages – the whole gamut of what UW has to offer.

Please confirm with the SCAP whether they want the Aerospace Studies Dept to reply separately, since our comments are open until 1 June.

Thanks – let me know what else you might need.

PK

The information included below is provided to address misunderstandings contained within comments submitted as part of the Tri-Campus review for the proposed minors in Naval Science and Military Science.

In its current form, ROTC has been a part of the University of Washington since 1921. The ROTC Units consist of the Department of Naval Science, the Department of Military Science, and the Department of Aerospace Studies, all reporting directly to the Vice Provost for Academic Personnel at the University of Washington.

Military faculty for the three Departments are nominated by their respective military services, but the University reviews and approves each prospective candidate through a two-step process. The Officer Education Committee, which includes non-military UW faculty, reviews each nomination and forwards its recommendations for final review and approval by the Board of Regents.

The purpose of granting minors is to recognize significant concentration in an area of study. Any University student may take courses in any of the three Departments without enrolling in the ROTC Program, and any University student may qualify for the proposed minors. All courses offered by the Departments have been approved by the University.

The Department of Naval Science offers University students an opportunity to engage in study that leads to a commission in the U.S. Navy or Marine Corps while working toward a baccalaureate degree. The Naval Reserve Officer Training Corps (NROTC) Unit functions in conjunction with the Department of Naval Science. The Departments of Military Science and Aerospace Studies function in a similar way, commissioning officers in the U.S. Army and Air Force.

Each of the ROTC programs offers scholarship and non-scholarship options, and not all ROTC students receive money from the Government. Scholarship or not, the College Program student is an important part of the program.

In addition to their curricula required by their major, NROTC students take naval science courses in history and customs, naval engineering and systems, navigation, naval operations, and leadership/management. AROTC and AFROTC students take a similar course of study.

Upon graduation, all qualifying students within the ROTC program are commissioned as officers, after which they serve on active duty for a minimum of four years.

UNIVERSITY CAMPUSES UNDERGRADUATE PROGRAM REVIEW PROCEDURES**
CHECKLIST

Title of Proposal: Minor in Aerospace Leadership Studies
(AS-20070419)

Proposed by (unit name): Aerospace Studies

Originating Campus:

UW, Seattle

UW, Bothell

UW, Tacoma

I. Phase I. Developed Proposal Review (to be completed by Originating Campus' Academic Program Review body)

A. Review Completed by: FCAS

Chaired by: George Dillon

05/11/07 Date proposal received by originating campus's review body

05/11/07 Date proposal sent to University Registrar

05/17/07 Date proposal posted & email sent to standard notification list

06/08/07 Date of originating campus's curriculum body approval

(Note: this date must be 15 business days or more following date of posting)

B. 5 Number of comments received. Attach the comments and a summary of the consideration and responses thereof : (1-2 paragraphs)

II. Phase II. Final Proposal Review (to be completed by FCTCP)

A. Review Completed by:

FCTCP subcommittee

FCTCP full council

Chaired by: M. Killien

6/15/07 Date request for review received from University Registrar

7/9/07 Date of FCTCP report

B. Review

YES NO

- Was notice of proposal posted on UW Website for 15 business days?
 Was notice of proposal sent to standard mailing list 15 business days in advance of academic program review?
 Were comments received by academic program review body?
 Was response to comments appropriate? (explain, if necessary)
 Was final proposal reviewed by FCTCP within 14 business days of receipt?
 Was there adherence to the University Campuses Undergraduate Program Review Process? (explain, if necessary)

Summary:

We believe the comments have been adequately addressed by the originating unit. We note that the effective date for the program was listed as Spring 2007; this will need to be updated.

C. Recommendation

- Forward for final approval
 Forward to Provost because of University issues (Explain)
 Return to campus council because of insufficient review (Explain).

**Endorsed by Faculty Senate Executive Committee, 1/10/05, modified 1/31/06; These procedures apply to new undergraduate degrees, majors, minors (and certificates) and substantive changes to same