



UNIVERSITY OF WASHINGTON

OFFICE OF THE PRESIDENT

Mark A. Emmert, President

October 13, 2008

Dean Ana Mari Cauce
College of Arts and Sciences
Box 353765

Dear Ana Mari:

Based on the recommendation of its Subcommittee on Admissions and Programs, the Faculty Council on Academic Standards has recommended approval of the revised requirements for the Bachelor of Science degree in Astronomy. A copy of the changes is attached.

I am writing to inform you that the Department of Astronomy is authorized to specify these requirements beginning spring 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. Sarah Garner (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Mr. Todd Mildon, J.D. (with enclosure ASTR-20080818)



UNIVERSITY OF WASHINGTON

CREATING AND CHANGING UNDERGRADUATE ACADEMIC PROGRAMS

AUG 19 2008 OFFICE ONLY
Control # ASTA-20080010

After college/school review, send a signed original and 8 copies to FCAS, Box 355850.

For information about when and how to use this form: <http://depts.washington.edu/uwcr/1503instructions.pdf>

College Arts and Sciences	Department or Unit Astronomy	Date 01/18/08
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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 _____ within the Bachelor of _____.

Revised Program Requirements for the Major in Astronomy 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:** 2009

Contact Person Sarah Garner	Contact's Phone 206 - 543 - 9590	Contact's Email sterrs@astro.washington.edu
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EXPLANATION OF AND RATIONALE FOR PROPOSED CHANGE

For new programs, 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 Department of Astronomy faculty have voted to make the following changes to the undergraduate program. These changes are being made in order to stay consistent with the Physics undergraduate major requirements as approximately 90% of Astronomy majors are also completing a double major/degree with Physics. The Astronomy faculty request the following changes:

- 1) Remove Math 308 and 324 from requirement list. Physics has added a computational mathematical physics lab to Physics 227 and 288, increasing the credit load from 3 to 4 per course. With this additional lab, the physics courses cover the topics taught in Math 308 and 324. These math courses will continue to be recommended to all students, particularly those majoring or minoring in math.
- 2) Add Physics 226 to upper-division Physics elective list. Physics 226 will be a required course for the Physics bachelors degree, however this course is not essential for the Astronomy major. By allowing Physics 226 to count towards the 12 credits of upper-division Physics elective requirement, it will allow students to complete both degrees in a timely fashion.
- 3) Delete Astronomy 480 comment from item #5 and add capstone sequence comment to item #7. Adding the more comprehensive recommendation from the faculty to item #7 will combine all of the recommendations in one place.

CATALOG COPY

Catalogue Copy as currently written. Include only sections/paragraphs that would be changed if you request is approved. Please cross out or otherwise highlight any deletions.

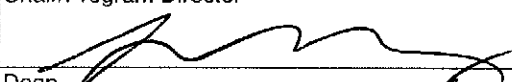


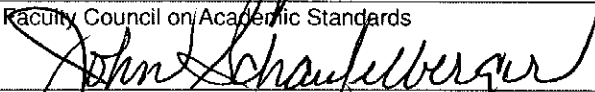
- 4. MATH 124, MATH 125, MATH 126; ~~MATH 308, MATH 324~~
- 5. 12 additional credits in courses at the 300 level or above in physics (chosen from PHYS 311, PHYS 323, PHYS 324, PHYS 325, PHYS 328, PHYS 331, PHYS 335, PHYS 421, PHYS 422, PHYS 423, PHYS 424, PHYS 431, PHYS 432, PHYS 433, PHYS 434) or engineering as approved by adviser. ~~Data analysis (ASTR 480) and senior-year research (ASTR 499) are highly recommended, especially for students planning graduate work.~~
- 7. Undergraduates interested in advanced work in astronomy are advised to take a double major in astronomy and physics. Undergraduates interested in immediate employment at an observatory or other scientific institution should include computing and electronics courses as part of their program.

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)

- 4. MATH 124, MATH 125, MATH 126
- 5. 12 additional physics credits selected from: PHYS 226, PHYS 311, PHYS 323, PHYS 324, PHYS, 325, PHYS 328, PHYS 331, PHYS 335, PHYS 421, PHYS 422, PHYS 423, PHYS 424, PHYS 431, PHYS 432, PHYS 433, PHYS 434 or engineering as approved by adviser.
- 7. Undergraduates interested in advanced work in astronomy are advised to take a double major in astronomy and physics. Undergraduates interested in immediate employment at an observatory or other scientific institution should include computing and electronics courses as part of their program. As a capstone sequence of hands-on research and dissemination of results, the following is highly recommended: ASTR480, followed by either ASTR481 or ASTR499 or an REU project, and ending with ASTR482.

SIGNATURES (required)

Chair/Program Director		Date	6/20/08
Dean		Date	AUG 18 2008
College Committee		Date	AUG 18 2008
Faculty Council on Academic Standards		Date	OCT. 10, 2008

UoW (503 12/05) REVERSE

