



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

NOV 26 2008

OFFICE USE ONLY  
 Control #  
 PHYS-20081027

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<br>Arts & Sciences | Department or Unit<br>Physics | Date<br>10/27/08 |
|----------------------------|-------------------------------|------------------|

**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 Physics 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<br>Margot Nims | Contact's Phone<br>206 – 543 – 2772 | Contact's Email<br>margot@phys.washington.edu |
|-------------------------------|-------------------------------------|---|

**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 topics in Math 308 (Matrix Algebra) and in Math 324 (Advanced Multivariable Calculus) that are important for Physics majors will be taught in Physics 227 (Elementary Mathematical Physics Part 1) and in Physics 228 (Elementary Mathematical Physics Part 2). Both courses have been increased from 3 credits to 4 credits for the purpose of teaching mathematics.

Thus we are proposing to drop Math 308 and Math 324 as requirements for the B.S Physics degree but want them to be "very highly recommended" instead.

**CATALOG COPY**

Catalogue 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.

"Major Requirements-

6. Mathematics (21 credits: Math 124, Math 125, Math 126, Math 324 and one from Math 308, Math 318 or Amath 352."

**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)

"Major Requirements -

6. Mathematics (15 credits): Math 124, Math 125, Math 126. Math 308 and Math 324 are very highly recommended. "

**SIGNATURES (required)**

|                                       |                         |      |          |
|---------------------------------------|-------------------------|------|----------|
| Chair/Program Director                | <i>Rand G. Boudreau</i> | Date | 10/27/08 |
| Dean                                  | <i>W. J. Hill</i>       | Date | 11/10/08 |
| College Committee                     | <i>[Signature]</i>      | Date | 11/10/08 |
| Faculty Council on Academic Standards |                         | Date |          |

