

CHANGE UNDERGRADUATE PROGRAM FORM

1. General Information

College: <u>Arts and Sciences</u>		Department: <u>Physics and Astronomy</u>	
Current Major Name: <u>Physics</u>		Proposed Major Name: <u>Physics</u>	
Current Degree Title: <u>BS</u>		Proposed Degree Title: <u>BS</u>	
Formal Option(s): _____		Proposed Formal Option(s): _____	
Specialty Field w/in Formal Option: _____		Proposed Specialty Field w/in Formal Options: _____	
Date of Contact with Associate Provost for Academic Administration ¹ : _____			
Bulletin (yr & pgs):	<u>12-13 pg166</u>	CIP Code ¹ :	_____ Today's Date: <u>2/8/2013</u>
Accrediting Agency (if applicable): _____			
Requested Effective Date:		<input type="checkbox"/> Semester following approval.	OR <input checked="" type="checkbox"/> Specific Date ² : <u>Immediately after approval of PHY508</u>
Dept. Contact Person: <u>Kwok-Wai Ng</u>		Phone: <u>7-1782</u>	Email: <u>kwng@uky.edu</u>

2. General Education Curriculum for this Program:

The new General Education curriculum is comprised of the equivalent of 30 credit hours of course work. There are, however, some courses that exceed 3 credits & this would result in more than 30 credits in some majors.

- There is no foreign language requirement for the new Gen Ed curriculum.
- There is no General Education Electives requirement.

Please list the courses/credit hours currently used to fulfill the University Studies/General Education curriculum:
n/a

Please identify below the suggested courses/credit hours to fulfill the General Education curriculum.			
General Education Area		Course	Credit Hrs
I. Intellectual Inquiry (one course in each area)			
Arts and Creativity		<u>n/a</u>	<u>n/a</u>
Humanities		<u>n/a</u>	<u>n/a</u>
Social Sciences		<u>n/a</u>	<u>n/a</u>
Natural/Physical/Mathematical		<u>n/a</u>	<u>n/a</u>
II. Composition and Communication			
Composition and Communication I		CIS or WRD 110	3
Composition and Communication II		CIS or WRD 111	3
III. Quantitative Reasoning (one course in each area)			

¹ Prior to filling out this form, you MUST contact the Associate Provost for Academic Administration (APAA). If you do not know the CIP code, the (APAA) can provide you with that during the contact.

² Program changes are typically made effective for the semester following approval. No program will be made effective until all approvals are received.

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Quantitative Foundations ³		<u>n/a</u>	<u>n/a</u>
Statistical Inferential Reasoning		<u>n/a</u>	<u>n/a</u>
IV. Citizenship (one course in each area)			
Community, Culture and Citizenship in the USA		<u>n/a</u>	<u>n/a</u>
Global Dynamics		<u>n/a</u>	<u>n/a</u>
Total General Education Hours			<u>n/a</u>

3. Explain whether the proposed changes to the program (as described in sections 4 to 12) involve courses offered by another department/program. Routing Signature Log must include approval by faculty of additional department(s).

n/a

4. Explain how satisfaction of the University Graduation Writing Requirement will be changed.

Current	Proposed
<input type="checkbox"/> Standard University course offering. List: <u>n/a</u>	<input type="checkbox"/> <i>Standard University course offering.</i> List: <u>n/a</u>
<input type="checkbox"/> Specific course – list: <u>n/a</u>	<input type="checkbox"/> <i>Specific course) – list: <u>n/a</u></i>

5. List any changes to college-level requirements that must be satisfied.

Current	Proposed
<input type="checkbox"/> Standard college requirement. List: <u>n/a</u>	<input type="checkbox"/> <i>Standard college requirement.</i> List: <u>n/a</u>
<input type="checkbox"/> Specific required course – list: <u>n/a</u>	<input type="checkbox"/> <i>Specific course – list: <u>n/a</u></i>

6. List pre-major or pre-professional course requirements that will change, including credit hours.

Current	Proposed
<u>n/a</u>	<u>n/a</u>

7. List the major's course requirements that will change, including credit hours.

Current	Proposed
<p><u>plus two of the following courses:</u></p> <p><u>AST/PHY 395 Independent Work in</u> <u>Astronomy/Physics 3</u></p> <p><u>PHY 402G Electronic Instrumentation and</u> <u>Measurements 3</u></p> <p><u>PHY 422 Computational Physics Laboratory 3</u></p> <p><u>PHY 435 Intermediate Physics Laboratory 3</u></p>	<p><u>plus two different courses from the following:</u></p> <p><u>AST/PHY 395 Independent Work in</u> <u>Astronomy/Physics 3</u></p> <p><u>PHY 402G Electronic Instrumentation and</u> <u>Measurements 3</u></p> <p><u>PHY 508 Computational Physics 3</u></p> <p><u>PHY 435 Intermediate Physics Laboratory 3</u></p>

8. Does the pgm require a minor AND does the proposed change affect the required minor? N/A Yes No
If "Yes," indicate current courses and proposed changes below.

Current	Proposed
<u>n/a</u>	<u>n/a</u>

³ Note that MA 109 is NOT approved as a Quantitative Foundations course. Students in a major requiring calculus will use a calculus course (MA 113, 123, 137 or 138) while students not requiring calculus should take MA 111, PHI 120 or another approved course.

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9. Does the proposed change affect any option(s)?

N/A Yes No

If "Yes," indicate current courses and proposed changes below, including credit hours, and also specialties and subspecialties, if any.

Current	<i>Proposed</i>
<u>n/a</u>	<u>n/a</u>

10. Does the change affect pgm requirements for number of credit hrs outside the major subject in a related field?

Yes No

If so, indicate current courses and proposed changes below.

Current	<i>Proposed</i>
<u>n/a</u>	<u>n/a</u>

11. Does the change affect pgm requirements for technical or professional support electives?

Yes No

If so, indicate current courses and proposed changes below.

Current	<i>Proposed</i>
<u>n/a</u>	<u>n/a</u>

12. Does the change affect a minimum number of free credit hours or support electives?

Yes No

If "Yes," indicate current courses and proposed changes below.

Current	<i>Proposed</i>
<u>n/a</u>	<u>n/a</u>

13. Summary of changes in required credit hours:

	<i>Current</i>	<i>Proposed</i>
a. Credit Hours of Premajor or Preprofessional Courses:	<u>n/a</u>	<u>n/a</u>
b. Credit Hours of Major's Requirements:	<u>n/a</u>	<u>n/a</u>
c. Credit Hours for Required Minor:	<u>n/a</u>	<u>n/a</u>
d. Credit Hours Needed for a Specific Option:	<u>n/a</u>	<u>n/a</u>
e. Credit Hours Outside of Major Subject in Related Field:	<u>n/a</u>	<u>n/a</u>
f. Credit Hours in Technical or Professional Support Electives:	<u>n/a</u>	<u>n/a</u>
g. Minimum Credit Hours of Free/Supportive Electives:	<u>n/a</u>	<u>n/a</u>
h. Total Credit Hours Required by Level:		
	100:	<u>n/a</u>
	200:	<u>n/a</u>
	300:	<u>n/a</u>
	400-500:	<u>n/a</u>
i. Total Credit Hours Required for Graduation:	<u>n/a</u>	<u>n/a</u>

14. Rationale for Change(s) – if rationale involves accreditation requirements, please include specific references to that.

PHY422 ceased to exist and will be replaced by a similar graduate level course PHY508. Accordingly the PHY422 in the BS lab requirements has to be changed to PHY508. The first statement is rephased to clarify the fact that the requirement cannot be satisfied by taking AST/PHY395 repeatedly.

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15. List below the typical semester by semester program for the major. If multiple options are available, attach a separate sheet for each option.

YEAR 1 – FALL: (e.g. "BIO 103; 3 credits")	_____	YEAR 1 – SPRING:	_____
YEAR 2 - FALL :	_____	YEAR 2 – SPRING:	_____
YEAR 3 - FALL:	_____	YEAR 3 - SPRING:	_____
YEAR 4 - FALL:	_____	YEAR 4 - SPRING:	_____

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Signature Routing Log

General Information:

Current Degree Title and Major Name: BS Physics

Proposal Contact Person Name: Kwok-Wai Ng

Phone: 7-1782

Email: kwng@uky.edu

INSTRUCTIONS:

Identify the groups or individuals reviewing the proposal; note the date of approval; offer a contact person for each entry; and obtain signature of person authorized to report approval.

Internal College Approvals and Course Cross-listing Approvals:

Reviewing Group	Date Approved	Contact Person (name/phone/email)	Signature
Physics & Astronomy	2/8/13	Kwok-Wai Ng, DUS / 7-1782 / kwng@uky.edu	
Phycis & Astonomy	2/8/13	Mike Cavagnero, Chair / 7-6733 / mike@pa.uky.edu	
		/ /	
		/ /	
A&S EPC and Dean	2/12/13	Anna Bosch, Associate Dean / 7-6689 / bosch@uky.edu	

External-to-College Approvals:

Council	Date Approved	Signature	Approval of Revision ⁴
Undergraduate Council	4/16/13	Joanie Ett-Mims	
Graduate Council			
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

Comments:

⁴ Councils use this space to indicate approval of revisions made subsequent to that council's approval, if deemed necessary by the revising council.