

Part II. **Description of Curriculum Change** 1. Complete catalog description for the new track. This includes both the **Catalog Description** Bachelor of Science - Physics / Pre- Engineering Track Liberal Studies: As outlined in Liberal Studies section with the following specifications:

Mathematics: MATH 125 Natural Science: PHVS 121-141 and 122-142 Liberal Studies 44

34

\*cr (1)

\*cr(1)

**Curriculum Proposal Cover Sheet (see above)** 

Part I.

Electives: 3cr, MATH 126, no courses with PHYS prefix

Major:

Required Core Courses

PHYS 131 Physics I-C Lecture

PHYS 132 Physics II-C Lecture

## Part III. Implementation - Provide answers to the following questions:

1. How will the proposed new track affect students already in the existing program?

Students in the current B.S. Natural Science / pre-engineering program will be able to transfer to the new B.S. Physics / pre-engineering track without much difficulty. The Natural Science Pre-engineering students are required to take the same sequence of introductory courses; the courses they are currently taking are perquisites to upper level physics course. The upper level physics courses will be able to accommodate the pre-engineering students. (see resource questions to follow)

2. Are faculty resources adequate? If you are not requesting or have not been authorized to hire additional faculty, demonstrate how this course will fit into the schedule(s) of current faculty.

While it is anticipated that the enrollment in some of the upper level class will increase, the

no additional need for added sections, and therefore no additional faculty resources will be required

3. Are other resources adequate? (Space, equipment, supplies, travel funds)

Most classrooms where physics courses are taught can hold 30 to 50 students; currently there are about 20 per class, so space is adequate. Equipment and supplies are only an issue in one class,

figure marios comos (DUVS_121) all etudante must tales the Fours Consent Inventory (FCI)
<del>-</del>
nationally required agreement on physics thinking. The test distinguishes between
Aristotelian thinkers and Newtonian thinkers. Students below a certain score are required to talk
to their advisor during the second week of class. During this advisement meeting, the advisor

E mails with read receipts were sent to the chairs of Philosophy, Political Science and Economics.

	Stanley Sobolewski
	From: Stanley Sobolewski <sobolews@iup.edu> Sent: Tuesday 5 April 2011 1:49 PM To: 'mmacleod@iup.edu' Sent: Notification of Change in pre-engineering currculum</sobolews@iup.edu>
	Dr. MacLeod,
	The College of Natural Science and Mathematics is reorganizing some of its programs. The Pre-Engineering Progr
<b>L</b>	
<u> </u>	
	moved from the Natural Science Department into the Physics Department, as a track in the B.S. Physics Degree.
il.	
	Specifically, the new track will not have a <u>proscribed</u> Philosophy course. In the NSM pre-engineering track, <u>PHIL 2</u>
	<u>required</u> . This <u>constraint is being removed</u> since the track is being deleted. The number of students involved in the fewer than ten per year.
	<u>و باری این باری این این این بازی بازی بازی بازی بازی بازی بازی بازی</u>
£	

## Stanley Sobolewski

From: Stanley Sobolewski <sobolews@iup.edu> Sent: Tuesday 5 April 2011 1:49 PM To: 'jfsitton@iup.edu' Subjet Notification of Change in pre-engineering currculum

Dr. Sitton,

The College of Natural Science and Mathematics is reorganizing some of its programs. The Pre-Engineering Programoved from the Natural Science Department into the Physics Department, as a track in the B.S. Physics Degree. T result in curriculum changes.

Specifically, the new track will not have a <u>proscribed Social Science course</u>. In the NS pre-engineering track, <u>PLSC 111 were required</u>. This <u>constraint is being removed since</u> the track is being deleted. The number of students invochange is fewer than ten per year.

For our curriculum process, all I need is verification that I have informed your department of this change, hence a acknowledgement is all I need.

Thanks,

Stan.

Your message

To: jfsitton@iup.edu

Subject: Notification of Change in pre-engineering currculum

Sent: 4/5/2011 1:49 PM

was read on 4/5/2011 3:39 PM.

	Stanley Sobolewski
,	<u></u>
*\;	
1'-	
<u> </u>	
,	
- .1.	
•	
<u> </u>	
, <u> </u>	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Tr e	
į.	
<b>.</b>	
QL.	Subject: Notification of Change in pre-engineering currculum
	Dr. Karatjas,
	The College of Natural Science and Mathematics is reorganizing some of its programs. The Pre-Engineering Progra
	moved from the Natural Science Department into the Physics Department, as a track in the B.S. Physics Degree. T result in curriculum changes.
	Specifically, the new track will not have a <u>proscribed Social Science</u> course. In the NSM pre-engineering track, <u>ECC</u>
	required. This constraint is being removed since the track is being deleted. The number of students involved in the
ι	