

Program Change Request

Date Submitted: 02/09/26 10:35 am

Viewing: **PHYS : Minor in Physics**

Last approved: 03/11/20 6:17 pm

Last edit: 02/09/26 10:35 am

Changes proposed by: segre

Catalog Pages
Using this Program
[Minor in Physics](#)

In Workflow

1. PHYS Chair
2. Academic Affairs
3. Undergraduate Academic Affairs
4. LS Dean
5. Undergraduate Studies Committee Chair
6. Faculty Council Chair
7. Academic Affairs

Program Status	Active		
Requestor	Name	Carlo Segre Sally Laurent-Muehleisen	E-mail
		segre@iit.edu slaurent@iit.edu	
Origination Date	2026-2-9 2019-9-24		
Is this an interdisciplinary program?	No		
Is this stem-eligible?	Yes		
Available for direct application?	Yes		
Academic Unit	Physics		
College	Lewis College of Science and Letters		
Program Title	Minor in Physics		
Effective Academic Year	2026 2019 - 2027	Effective Term	Summer 2026
	2020		
Academic Level	Undergraduate		

Approval Path

1. 02/09/26 12:45 pm
Pavel Snopok (psnopok): Approved for PHYS Chair
2. 02/10/26 11:11 am
Ayesha Qamer (aqamer): Approved for Academic Affairs
3. 02/10/26 2:43 pm
Joseph Gorzkowski (jgorzkow): Approved for Undergraduate Academic Affairs
4. 02/12/26 1:07 pm
Jennifer deWinter (jdewinter): Approved for LS Dean

History

1. Oct 30, 2017 by Sarah Pariseau (sparisea)

2. Oct 12, 2018 by Sarah Pariseau (sparisea)
3. Mar 11, 2020 by Sally Laurent-Muehleisen (slaurent)

If all courses in a subject in your department are required, please enter each subject followed by the number ranges in the "Quick Add" field in the pop up box when you click the green plus button below. For example: ARCH 100-499.

What courses will factor the major GPA?

Program Type Minor

Is there more than one Academic Unit proposer?

No

Program Code PHYS

Program Attribute

Total Program 15
Credit Hours

Please provide a summary and rationale for the requested program revision.

We are dropping PHYS 348 (Modern Physics for Scientists and Engineers) as a required course for all our departmental majors as well as the Physics minor. We are reducing The material in PHYS 348 is covered completely in the number combination of required courses PHYS 223/224 (required for this Minor in order to make it more accessible minor); PHYS 304 (currently not required for minor); and flexible for the target audience which is other Engineering and Science Majors. PHYS 405 (required for minor): There is only one required course, (PHYS 223 or 224) and we are asking tudents to take two of 4 advanced coursee followed by two more physics courses of their choice. Replacing PHYS 348 with PHYS 304 covers the same material with less redundancy while adding greater depth in Thermodynamics and Statistical Mechanics (PHYS 304).

Program Narrative and

Narrative description of how the in describe what need this program w need. If the program is replacing a being replaced by the new program program(s). If the program will be c governmental entity, provide detail

Academic Information

Advising

Since quality advising is a key comp how will students be mentored? Wh

Proposed Catalog Entry

Admission

Course Requirements

One of the following:

PHYS 301	Mathematical Methods of Physics	3
PHYS 304	Thermodynamics and Statistical Physics	3
PHYS 308	Classical Mechanics I	3
PHYS 405	Fundamentals of Quantum Theory I	3
PHYS 413	Electromagnetism I	3
<u>PHYS 223</u>	<u>General Physics III</u>	<u>0 OR 4</u>
<u>PHYS 224</u>	<u>General Physics III for Engineers</u>	<u>3</u>

Total Credit Hours

3-7

At least two of the following:

<u>PHYS 304</u>	<u>Thermodynamics and Statistical Physics</u>	<u>3</u>
<u>PHYS 308</u>	<u>Classical Mechanics I</u>	<u>3</u>
<u>PHYS 405</u>	<u>Fundamentals of Quantum Theory I</u>	<u>3</u>
<u>PHYS 413</u>	<u>Electromagnetism I</u>	<u>3</u>

At least 6 credits of physics electives (any PHYS course at 300 level or above including PHYS 304, 308, 405, or 413 not previously taken).

Sample Curriculum/Program Requirements

N/A

Program Outcomes and Assess

What are your learning objectives in this program? Please list each learning objective in the boxes below:

Note: These should be the same as described in the program description.

Undergraduate Program

P1

Report to Faculty
Council

Report from Faculty

Reviewer
Comments

Key: 320