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Program Elimination Proposal

Date Submitted: 02/07/25 1:21 pm

Viewing: **BS-APHY-2 : Bachelor of Science in Applied Physics**

Last approved: 04/19/24 11:58 am

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Changes proposed by: segre

Catalog Pages

Using this Program

[Bachelor of Science in Applied Physics](#)

Elimination type Elimination Active

End Term Fall 2025

What is the reason this program is being eliminated?

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. Faculty Council Chair
8. Provost
9. President
10. Academic Affairs

History

1. Oct 25, 2017 by clmig-jwehrheim
2. Nov 3, 2017 by Sarah Pariseau (sparisea)
3. Feb 15, 2018 by Sally Laurent-Muehleisen (slaurent)
4. Apr 27, 2018 by Sarah Pariseau (sparisea)
5. Jun 6, 2018 by Joseph Gorzkowski (jgorzkow)
6. Nov 22, 2019 by Sally Laurent-Muehleisen (slaurent)
7. Oct 23, 2020 by Holli Pryor-Harris (pryor)

8. Aug 1, 2023 by Patty Johnson Winston (winston)
9. Apr 19, 2024 by Ayesha Qamer (aqamer)

It has been replaced by the Engineering Physics Program

Are there any students in this program?

Yes

TEACH-OUT PLAN

Provide the number of students, by level, who are currently in the program, and an estimated time to graduation (in years) for each level.

Level	Number of Students	Time to Graduation (in years)
<u>U4</u>	<u>1</u>	<u>1</u>
<u>U5</u>	<u>1</u>	<u>0</u>

List any courses that will be discontinued and the term when they will no longer be offered.

No required courses are being eliminated

Please list what other options a student will be offered to complete their degree. Any plans for student academic and financial advising through this process.

Students may change to the new Engineering Physics Program (U1, U2, U3) or complete the Applied Physics Degree as in the current catalog. Incoming students will be changed to Engineering Physics program.

Please provide a communication plan to ensure students and other institutional stakeholders are informed of this closure and throughout the teach-out process. If you wish to include an attachment instead, please include it below.

Students will be informed by their academic advisor of their options before the end of the Spring 2025 term.

Communication Plan Attachment

What contact information (name, phone number, email, etc.) will you provide for students and other stakeholders to ask questions about this program closure?

Carlo Segre 7-3498 <segre@iit.edu> who is the academic advisor for the program.

Please provide a list of programmatic accreditors and/or licensing agencies (i.e., NAAB, AACSB or ABET) that have been or will be notified.

Name of Accreditors and/or Licensing Agencies	Date of Notification (MM/DD/YYYY)
<u>N/A</u>	<u>N/A</u>

If you have notification documentation, please attach.

Program Status	<u>Elimination</u> Active		
Requestor	Name	<u>Carlo Segre</u> Ayesha Qamer	E-mail
		<u>segre@iit.edu</u> <u>aqamer@iit.edu</u>	
Origination Date	2024-4-19		
Is this an interdisciplinary program?	No		
Academic Unit	Physics	College	
	Lewis College of Science and Letters		
Program Title	Bachelor of Science in Applied Physics		
Effective Academic Year	2020 - 2021	Effective Term	Fall 2025
Academic Level	Undergraduate		
<p><i>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.</i></p>			
What courses will factor the major GPA?			
Program Type	Degree		
Degree Type	Bachelor of Science (BS)		
CIP Code	14.1201 - Engineering Physics/Applied Physics.		
Is there more than one Academic Unit proposer?			
No			
Program Code	BS-APHY-2		
Program Attribute			

Total Program 133
Credit Hours

Program Narrative and Justification

Narrative description of how the institution determined the need for the program. For example, describe what need this program will address and how the institution became aware of that need. If the program is replacing a current program(s), identify the current program(s) that is being replaced by the new program(s) and provide details describing the benefits of the new program(s). If the program will be offered in connection with, or in response to, an initiative by a governmental entity, provide details of that initiative.

Narrative description of how the program was designed to meet local market needs, or for an online program, regional or national market needs. For example, indicate if Bureau of Labor Statistics data or State labor data systems information was used, and/or if State, regional, or local workforce agencies were consulted. Include how the course content, program length, academic level, admission requirements, and prerequisites were decided; including information received from potential employers about course content; and information regarding the target students and employers.

Narrative description of any wage analysis the institution may have performed, including any consideration of Bureau of Labor Statistics wage data related to the new program.

Narrative description of how the program was reviewed or approved by, or developed in conjunction with, one or more of the following: a) business advisory committees; b) program integrity boards; c) public or private oversight or regulatory agencies (not including the state licensing/authorization agency and accrediting agency); and d) businesses that would likely employ graduates of the program. For example, describe the steps taken to develop the program, identify when and with whom discussions were held, provide relevant details of any proposals or correspondence generated, and/or describe any process used to evaluate the program.

Admission Entry Details

What are the enrollment estimates?

Year 1

Year 2

Year 3

Attach Additional
Program
Justification
Document(s)

Academic Information

Advising

Since quality advising is a key component of good retention, graduation, and career placement, how will students be mentored? What student professional organizations will be formed? How will the department work with the Career Services office to develop industry connections?

Program Resources

Which program resources are necessary to offer this program?

Proposed Catalog Entry

Admission
Requirements

Sample
Curriculum/Program
Requirements

Bachelor of Science in Applied Physics Curriculum

		Year 1	
Semester 1	Credit Hours	Semester 2	Credit Hours
PHYS 100	2	MS 201 ¹	3
PHYS 123	4	PHYS 221	4
CHEM 124	4	MATH 152	5
MATH 151	5	Humanities 200-level Course	3
		Humanities or Social Sciences Elective	3
	15		18
		Year 2	
Semester 1	Credit Hours	Semester 2	Credit Hours
PHYS 223	4	PHYS 240	3
MATH 251	4	PHYS 304	3
Specialization Course ²	4	MATH 252	4

Social Sciences Elective	3	Specialization Course ²	4
Computer Science Course ³	2	Humanities Elective (300+)	3
	17		17
			Year 3
Semester 1	Credit	Semester 2	Credit
	Hours		Hours
PHYS 300 ⁴	4	PHYS 309	3
PHYS 301	3	Technical Elective ⁵	3
PHYS 308	3	IPRO Elective I	3
Specialization Course ²	3	Specialization Course ²	4
Social Sciences Elective (300+)	3	Humanities Elective (300+)	3
	16		16
			Year 4
Semester 1	Credit	Semester 2	Credit
	Hours		Hours
PHYS 405	3	PHYS 406	3
PHYS 413	3	PHYS 414	3
PHYS 427	3	PHYS 485	1
IPRO Elective II	3	Technical Elective ⁵	3
Specialization Course ²	3	Specialization Course ²	3
Social Sciences Elective (300+)	3	Specialization Course ²	3
	18		16

Total Credit Hours: 133

1

[MS 201](#) is only required for the aerospace engineering and mechanical engineering specializations. For other specializations, students should choose one of the specialization course options.

2

A minimum of 27 credit hours are required in a specific engineering, math, or science discipline. See the Specializations tab for a few examples of engineering specializations. Courses should be chosen in consultation with an academic adviser.

3

Choose from: [CS 104](#), [CS 105](#), or [CS 115](#) based on your specialization.

4

For students who choose the electrical engineering specialization, [PHYS 300](#) is satisfied by [ECE 211](#), [ECE 213](#), and [ECE 218](#).

5

See the Specializations tab for technical electives listed in some approved engineering specializations.

Program Outcomes and Assessment Process

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 your assessment plan at the bottom of this form.

Upload your
assessment plan
here:

Undergraduate Program Requirements

What courses will
factor the major
GPA?

Undergraduate Degree Requirements

Minimum credit 133
hours

Specialization
required?
Yes

Notes about
specialization
requirement

Minor required?
No

Proposed General Curriculum

Degree credit hours 133
required

Specialization 27
credit hour
requirement

List Major Course
Requirements

List Mathematics
Requirements

List Science
Requirements

List Computer
Science
Requirements

List Humanities and
Social Sciences
Requirements

List
Interprofessional
Project (IPRO)
Requirements

List Technical
Elective Course
Options

List Free Elective
Credit Hours (if
applicable)

Semester-by-
semester plan of
study for the
degree program

Specialization

Reviewer
Comments

