Program Change Request

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Program Elimination Proposal

Date Submitted: 02/27/26 1:26 pm

Viewing: BS-BME/MAS-BMI : Bachelor of Science in Biomedical Engineering/Master of Biomedical Imaging and Signals

Last approved: 11/29/17 2:02 pm

Last edit: 02/27/26 1:26 pm

Changes proposed by: dhar

Elimination type	Elimination ~~Active~~
End Term	Summer 2026

What is the reason this program is being eliminated?

In Workflow

1. BMED Chair
2. EECE Chair
3. Academic Affairs
4. Undergraduate Academic Affairs
5. AC Dean
6. Undergraduate Studies Committee Chair
7. Graduate Studies Committee Chair
8. Faculty Council Chair
9. Faculty Council Chair
10. Provost
11. President
12. Academic Affairs

Approval Path

1. 03/21/26 2:39 pm Satish Parulekar (parulekar): Approved for BMED Chair
2. 03/24/26 12:50 pm Erdal Oruklu (oruklu): Approved for EECE Chair
3. 03/24/26 12:55 pm Ayesha Qamer (aqamer): Approved for Academic Affairs
4. 03/25/26 10:15 am Joseph Gorzkowski (jgorzkow): Approved for Undergraduate Academic Affairs

5. 03/25/26 12:10 pm Louis Cattafesta III (lcattafestaiii): Approved for AC Dean
6. 04/10/26 11:51 am Kathiravan Krishnamurthy (kkrishn2): Approved for Undergraduate Studies Committee Chair

History

1. Nov 29, 2017 by Sarah Pariseau (sparisea)
2. Nov 29, 2017 by Sarah Pariseau (sparisea)
3. Nov 29, 2017 by Sarah Pariseau (sparisea)

This track is combined with a BS -BME degree.

This will not affect students registered in pursuing this track. The courses and credits remain the same.

Are there any students in this program?

No

Program Status	Elimination ~~Active~~			
Requestor	Name	Promila Dhar ~~Sarah Pariseau~~	E-mail	dhar@iit.edu ~~sparisea@iit.edu~~
Origination Date	2017-11-29			
Is this an interdisciplinary program?	No			
Is this an incubator program?				

Is this stem-eligible?

Available for direct application?

Academic Unit: Biomedical Engineering — College: Armour College of Engineering

Program Title: Bachelor of Science in Biomedical Engineering/Master of Biomedical Imaging and Signals

Effective Academic Year

Effective Term: Summer 2026

Academic Level: Undergraduate

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: Co-Terminal Degree

Degree Type: Bachelor of Science/Professional Master's (BSMAS)

CIP Code

14.0501 - Bioengineering and Biomedical Engineering.

Is there more than one Academic Unit proposer?

Yes

Which Academic Units?

Academic Unit
Electrical & Computer Engrg

Second CIP

14.1001 - Electrical and Electronics Engineering.

Program Code: BS-BME/MAS-BMI

Program Attribute

Total Program Credit Hours: 156

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 initative 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?

How will advising responsibilities be shared between the departments?

Program Resources

Which program resources are necessary to offer this program?

Proposed Catalog Entry

Admission Requirements

Sample Curriculum/Program Requirements

Bachelor of Science in Biomedical Engineering/Master of Biomedical Imaging and Signals Curriculum

Year 1

Semester 1	Credit Hours	Semester 2	Credit Hours
BME 100	2	CHEM 125	4
CHEM 124	4	MATH 152	5
CS 104	2	PHYS 123	4
MATH 151	5	Social Sciences Elective	3
Humanities 200-level Course	3		
	16		16

Year 2

Semester 1	Credit Hours	Semester 2	Credit Hours
Track Course	3	BIOL 115	3
ECE 211	3	BIOL 117	1
MATH 252	4	BME 315	2

PHYS 221	4	ECE 213	4
Humanities or Social Sciences Elective	3	MATH 251	4
		Social Sciences Elective (300+)	3
	17		17

Year 3

Semester 1	Credit Hours	Semester 2	Credit Hours
BME 309	3	BME 310	3
BME 330	3	BME 325	1
BME 405	2	BME 443	3
BME 422	3	BME 445	3
BME 453	3	MATH 333 or CHEM 237	3-4
Social Sciences Elective (300+)	3	IPRO Elective I	3
	17		16-17

Year 4

Semester 1	Credit Hours	Semester 2	Credit Hours
BME 419	2	BME 420	3
BME 433	3	BME 438	3
ECE 437	3	Track Course	3
ECE 481 or 565	3	Track Course	3
Track Course	3	Humanities Elective (300+)	3
IPRO Elective II	3		
	17		15

Year 5

Semester 1	Credit Hours	Semester 2	Credit Hours
ECE 511	3	Imaging Elective	3
Signals Elective	3	Signals Elective	3
Graduate Elective	3	Graduate Elective	3
Graduate Elective	3	Humanities Elective (300+)	3
	12		12

Total Credit Hours: 155-156

Specialization Requirements

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:

Undergradu

Co-Terminal Degree Requirements

Undergraduate Degree Requirements

Minimum credit hours	156

Specialization required?
Yes

Notes about specialization requirement
Co-Terminal program must be paired with Medical Imaging or Neural Engineering tracks.

Minor required?
No

Required minimum GPA for admission	3.00
Number of shared credit hours allowed.	6

Which courses may be shared?	ECE 437 and BME 453

Proposed General Curriculum

Degree credit hours required	
Specialization 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	

Professional Master's Degree

Minimum credit hours 156

400-level credit hour limit? Yes How many hours allowed? 12

500-600-level credit hour limits: Minimum: 18 Maximum:

700-level credit hour maximum:

Project course required?
No

Comprehensive exam required?
No

Seminar/Colloquium required?
Not Required

Required Specialization?
No

List Core Course Requirements

List Elective Course Options

How will current graduate students in your department request a transfer to this major?

List Core Course Requirements

List Elective Course Options

How will current graduate students in your department request a transfer to this major?

Specialization

Report to Faculty Council

Reviewer Comments

Satish Parulekar (parulekar) (03/20/26 5:12 pm): Approved elimination. Satish J. Parulekar, Interim Chair, BME Department

Key: 425