

Program Change Request

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Program Elimination Proposal

Date Submitted: 10/21/25 8:09 pm

Viewing: **BS-MBB-3/MS-MBB-3 : Bachelor of Science in Molecular Biochemistry and Biophysics/Master of Science in Molecular Biochemistry and Biophysics**

Last approved: 10/23/20 3:22 pm

Last edit: 10/21/25 8:09 pm

Changes proposed by: dminh

Elimination type [Elimination](#) **Active**

End Term Spring 2026

What is the reason this program is being eliminated?

In Workflow

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

Approval Path

1. 10/21/25 8:32 pm
Lei li (li129):
Approved for BIOL Chair
2. 10/28/25 11:33 am
Ayesha Qamer (aqamer): Approved for Academic Affairs
3. 10/28/25 11:59 am
Joseph Gorzkowski (jgorzkow):
Approved for Undergraduate Academic Affairs
4. 10/31/25 9:44 am
Jennifer deWinter (jdewinter):
Approved for LS Dean

History

1. Nov 21, 2017 by Sarah Pariseau (sparisea)
2. Nov 21, 2017 by Sarah Pariseau (sparisea)
3. Oct 23, 2020 by Patty Johnson Winston (winston)

The BS in Molecular Biochemistry and Biophysics is being converted into a specialization of the BS in Biochemistry program and the MS in MBB is being eliminated.

Are there any students in this program?

No

Program Status	<u>Elimination</u> Active		
Requestor	Name	<u>David Minh</u> Patty Johnson Winston	E-mail <u>dminh@illinoistech.edu</u>
Origination Date	2020-10-23		
Is this an interdisciplinary program?	No		
Is this stem-eligible?			
Available for direct application?			
Academic Unit	Biological Sciences	College	
	Lewis College of Science and Letters		
Program Title	Bachelor of Science in Molecular Biochemistry and Biophysics/Master of Science in Molecular Biochemistry and Biophysics		
Effective Academic Year	2020 - 2021	Effective Term	Spring 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/Master of Science (BSMS)

CIP Code

26.0203 - Biophysics.

Is there more than one Academic Unit proposer?

No

Second CIP

26.0203 - Biophysics.

Program Code BS-MBB-3/MS-MBB-3

Program Attribute

Total Program 152

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 Molecular Biochemistry and Biophysics/Master of Science in Molecular Biochemistry and Biophysics Curriculum

		Year 1	
Semester 1	Credit Hours	Semester 2	Credit Hours
BIOL 100	2	BIOL 115	3
BIOL 107	3	BIOL 117	1
BIOL 109	1	CHEM 125	4
CHEM 124	4	MATH 152	5
MATH 151	5	Humanities 200-level Course	3
	15		16
		Year 2	
Semester 1	Credit Hours	Semester 2	Credit Hours
BIOL 214	3	BIOL 210	3
CHEM 237	4	CHEM 239	3
CS 104	2	MATH 251	4
PHYS 123	4	PHYS 221	4
Humanities or Social Sciences Elective	3	Social Sciences Elective	3
	16		17
		Year 3	
Semester 1	Credit Hours	Semester 2	Credit Hours
BIOL 401	3	BIOL 402	3
CHEM 247	3	BIOL 495	1
MATH 252	4	CHEM 343	3
PHYS 223 or 224	3-4	Technical Elective ¹	3
IPro Elective I	3	IPro Elective II	3
	16-17	Humanities Elective (300+)	3
			16
		Year 4	
Semester 1	Credit Hours	Semester 2	Credit Hours
BIOL 544	3	BIOL 451 or CHEM 451	2-3
Biology Laboratory Elective ²	3	Biology Laboratory Elective ²	3
CHEM 485	1	MATH 425	3
MBB Elective ³	3	MBB Elective ³	3
Technical Elective ¹	3	Social Sciences Elective (300+)	3
Humanities Elective (300+)	3	Social Sciences Elective (300+)	3

16

17-18

Year 5

Semester 1

Credit
Hours

Semester 2

Credit
Hours[BIOL 512](#)

3

[BIOL 533](#)

3

[BIOL 515](#)

3

[BIOL 555](#)

3

Graduate Research Course

3

Graduate Research Course

3

Graduate Elective

3

Graduate Elective

3

12

12

Total Credit Hours: 153-155

1

Choose from any BIOL, CHEM, or PHYS 300-level or above approved course.

2

Students may select from the following courses: [BIOL 404](#), [BIOL 431](#), [BIOL 446](#), [BIOL 491](#), or BIOL 4XX Biophysics Lab.

3

Students may select from the following courses: [BIOL 555](#); [CHEM 538](#); [CHEM 553](#); [PHYS 410](#) or [PHYS 304](#); or[PHYS 420](#).

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:

Co-Terminal Degree Requirements

Undergraduate Degree Requirements

Minimum credit hours 152

Specialization required?
No

Minor required?
No

Required minimum GPA for admission 3.25

Number of shared credit hours allowed. 9

Which courses may be shared?

BIOL 402 subs for BIOL 504, BIOL 544 subs for BIOL 445, BIOL 4[46/31/04] subs for BIOL 501 (2 cr) as well as BIOL 595 (1 cr). (Choice of 400-level lab course).

Proposed General Curriculum

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

Master of Science (M.S.) Degree

Minimum credit hours 152

400-level credit hour limit? Yes How many hours allowed? 9

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

700-level credit hour maximum:

Thesis required?
Optional

List specific details
about the thesis
option

By what method is
the thesis
defended?
Thesis Defense

Research course credit hours Minimum 6 Maximum 8

Project course
required?
Optional

List specific details
about the project
option

Project report/
review required?

Project course credit hours Minimum 3 Maximum 6 Course Number
581/522/523

Seminar/Colloquium
required?
Colloquium

Seminar/colloquium credit hours required 1 Course Number 595

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?

Report to Faculty
Council

Reviewer
Comments

Key: 403