Date Submitted: 03/02/26 7:51 am

Viewing: NDU-PPMS : Preparatory Program for Medical Studies (Post-Baccalaureate Premed)

Last approved: 10/25/17 10:04 am
Last edit: 03/02/26 7:51 am

Changes proposed by: spink

Catalog Pages
Using this Program

Preparatory Program for Medical Studies (Post-Baccalaureate Premed)

Program Status	Active
Requestor	Name Kathryn Spink ~~clmig-jwehrheim~~ E-mail spink@iit.edu ~~Unknown~~
Origination Date	2026-3-2 ~~2017-10-25~~
Is this an interdisciplinary program?	No
Is this stem-eligible?	Yes
Available for direct application?	Yes
Academic Unit	Biological Sciences College
	Lewis College of Science and Letters
Program Title	Preparatory Program for Medical Studies (Post-Baccalaureate Premed)
Effective Academic Year	2026 - 2027 Effective Term Summer 2026
Academic Level	Undergraduate

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

Approval Path
1. 02/24/26 7:51 am Lei li (li129): Approved for BIOL Chair
2. 02/27/26 3:41 pm Ayesha Qamer (aqamer): Rollback to Initiator
3. 03/02/26 7:54 am Lei li (li129): Approved for BIOL Chair

History
1. Oct 25, 2017 by clmig-jwehrheim

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   Undergraduate Certificate

Are you seeking Title IV federal financial aid student eligibility status for this program?

No

CIP Code
  51.1102 - Pre-Medicine/Pre-Medical Studies.

Is there more than one Academic Unit proposer?

Program Code   NDU-PPMS

Program Attribute

Total Program   49
Credit Hours

Rationale for change in program credit hours.
  Adding physics sequence options and changing math requirements to reflect this choice

Please provide a summary and rationale for the requested program revision.
  This makes the program more accessible to more students and allows completion in a more timely manner

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?

Program Resources

Which program resources are necessary to offer this program?

Proposed Catalog Entry

Admission Requirements

Course Requirements

Required Courses

Chemistry Requirements		(16)
CHEM 124	Principles of Chemistry I with Laboratory	4
CHEM 125	Principles of Chemistry II with Laboratory	4
CHEM 237	Organic Chemistry I	4
CHEM 239	Organic Chemistry II	3
CHEM 240	Organic Chemistry Laboratory	1
Biology Requirements		(18)
BIOL 107	General Biology Lectures	3
BIOL 109	General Biology Laboratory	1
BIOL 115	Human Biology	3
BIOL 117	Human Biology Laboratory	1
BIOL 214	Genetics	3
BIOL 403	Biochemistry	4
BIOL 445	Cell Biology	3

Mathematics Requirements		(7-8)	
~~MATH 151~~	~~Calculus I~~	~~5~~	
~~MATH 152~~	~~Calculus II~~	~~5~~	
MATH 425	Statistical Methods	3	
MATH 147	College Algebra	4-5	
or MATH 148	Preparation for Calculus		
or MATH 151	Calculus I		
Physics Requirements		(8)	8
Choose 1 of the 2 options			
PHYS 123 & PHYS 221	General Physics I: Mechanics and General Physics II: Electricity and Magnetism	8	
~~PHYS 221~~	~~General Physics II: Electricity and Magnetism~~	~~4~~	
PHYS 113 & PHYS 211	Fundamental Physics I and Fundamental Physics II	8	
Total Credit Hours		49-50	

Sample Curriculum/
Program
Requirements

Preparatory Program for Medical Studies Curriculum

			Year 1
Semester 1	Credit Hours	Semester 2	Credit Hours
BIOL 107	3	BIOL 115	3
BIOL 109	1	BIOL 117	1
CHEM 124	4	CHEM 125	4
~~MATH 151~~	~~5~~	~~MATH 152~~	~~5~~
MATH 147	4	MATH 425	3
	12		11
			Year 2
Semester 1	Credit Hours	Semester 2	Credit Hours
BIOL 214	3	BIOL 403	4
BIOL 445	3	CHEM 239	3
CHEM 237	4	CHEM 240	1

~~PHYS 123~~	~~4~~	~~MATH 425~~	~~3~~
PHYS 113	4	~~PHYS 221~~	~~4~~
		PHYS 211	4
	14		12

Total Credit Hours: 49

Prepare and take MCAT in Semester 4.

Submit medical school applications after Semester 4.

Additional coursework for MCAT preparation may be required based on undergraduate degree program and may be incorporated into Semesters 1-4.

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:

Undergraduate Program Requirements

What courses will

factor the major
GPA?

Certificate

Is at least 50% of the requested certificate program made up of existing courses, or is the program a subset of an existing degree program?

Yes

> Yes, one or both of these conditions apply.
> No, neither of these apply.

Minimum credit   49
hours

Is the certificate program a competency-based education (CBE) program? This would include credit-based, direc assessment or hybrid CBE programs.

No

How will the certificate program be offered? Select all that apply. (See HLC's Glossary for definitions of distance and correspondence education.)

On-ground instruction

Has the institution outsourced a portion of the program to an entity not accredited by an agency recognized by the U.S. Department of Education?

No

List Certificate
Course
Requirements

Reviewer
Comments
  Ayesha Qamer (aqamer) (02/27/26 3:41 pm): Rollback: Please revise the sample curriculum total credit hours as it does not match the total program credit hours (49)

Key: 37