

Premedicine Curriculum: Students Admitted Prior to Fall 2022

For students in the premedicine program who were admitted prior to Fall 2022, please find below:

- Required courses
- Course equivalencies for updated Biology sequence
- Course equivalencies for updated Organic Chemistry sequence
- Sample Course plans for the 21- 15- and 12-month track

Required courses

- BIOL SCI 201 Molecular Biology
- BIOL SCI 202 Cell Biology
- BIOL SCI 203 Genetics and Evolution
- BIOL SCI 232 Molecular and Cellular Processes Laboratory
- BIOL SCI 233 Genetics and Molecular Processes Laboratory
- BIOL SCI 234 Investigative Laboratory
- BIOL SCI 308 Biochemistry

- CHEM 110 Quantitative Problem Solving in Chemistry
- CHEM 131 General Chemistry 1 (with lab, CHEM 141)
- CHEM 132 General Chemistry 2 (with lab, CHEM 142)

- CHEM 215-A Organic Chemistry I (with lab, CHEM 235-A)
- CHEM 215-B Organic Chemistry II (with lab, CHEM 235-B)
- CHEM 215-C Advanced Organic Chemistry (with lab, CHEM 235-C)

- PHYSICS 130-A College Physics I (with lab, Physics 131-A)
- PHYSICS 130-B College Physics II (with lab, Physics 131-B)
- PHYSICS 130-C College Physics III (with lab, Physics 131-C)

- PRO HLTH 396-A Professional Health Careers Proseminar I
- PRO HLTH 396-B Professional Health Careers Proseminar II

Course Equivalencies for updated Biology and Organic Chemistry Sequences

The Northwestern Biology and Organic Chemistry sequences were updated throughout the university in 2021-2022. Below, find the equivalencies between the old sequence and the current course. If you have any questions about how your coursework maps on to the table below, please reach out to your adviser (prohealthadvising@northwestern.edu).

Biology Course Equivalence

Previous Course	Units	New Course	Units
BIOL SCI 215 Genetics and Molecular Biology	1	BIOL SCI 201 Molecular Biology	1
BIOL SCI 219 Cell Biology	1	BIOL SCI 202 Cell Biology	1
NA	1	BIOL SCI 203 Genetics and Evolution	1
BIOL SCI 217 Physiology	1	NA	1
BIOL SCI 221 Cellular Processes Laboratory	0.34	BIOL SCI 232 Molecular and Cellular Processes Laboratory	0.34
BIOL SCI 220 Genetic and Molecular Processes Laboratory	0.34	BIOL SCI 233 Genetics and Molecular Processes Laboratory	0.34
BIOL SCI 222 Investigative Laboratory	0.34	BIOL SCI 234 Investigative Laboratory	0.34

Organic Chemistry Course Equivalence

Previous Course	Units	New Course	Units
CHEM 210-A Organic Chemistry I	1	CHEM 215-A Organic Chemistry I	1
CHEM 210-A Organic Chemistry I Spec. Lab	0	CHEM 235-A Organic Chemistry I Lab	0.34
CHEM 210-B Organic Chemistry II	1	CHEM 215-B Organic Chemistry II	1
CHEM 230-B Organic Chemistry II Lab	0.34	CHEM 235-B Organic Chemistry II Lab	0.34
CHEM 210-C Organic Chemistry III	1	CHEM 215-C Advanced Organic Chemistry	1
CHEM 230-C Organic Chemistry III Lab	0.34	CHEM 235-C Advanced Organic Chemistry Lab	0.34

Sample Course Plans

21-month Track

	Year One	Year two
Summer	NA	NA
Fall	CHEM 110 PHYSICS 130/131- A PRO_HLTH 396-A (No-Credit)	CHEM 215-A/235-A BIOL_SCI 201 BIOL_SCI 202, 232 (lab)
Winter	CHEM 131/141 PHYSICS 130/131- B	CHEM 215-B/235-B BIOL_SCI 308, 233 (lab)
Spring	CHEM 132/142 PHYSICS 130/131- C	CHEM 215-C/235-C BIOL_SCI 203, 234 (lab) PRO_HLTH 396-B (No-Credit)

15-month Track

	Year One	Year two
Summer	CHEM 110 CHEM 131/141 CHEM 132/142 PRO_HLTH 396-A (No-Credit)	PHYSICS 130/131- A PHYSICS 130/131- B PHYSICS 130/131- C
Fall	CHEM 215-A/235-A BIOL_SCI 201 BIOL_SCI 202, 232 (lab)	
Winter	CHEM 215-B/235-B BIOL_SCI 308, 233 (lab)	
Spring	CHEM 215-C/235-C BIOL_SCI 203, 234 (lab) PRO_HLTH 396-B (No-Credit)	

12-month Track

Year One	
Summer	CHEM 110 CHEM 131/141 CHEM 132/142 PRO_HLTH 396-A (No-Credit)
Fall	CHEM 215-A/235-A BIOL_SCI 201 BIOL_SCI 202, 232 (lab) PHYSICS 130/131- A
Winter	CHEM 215-B/235-B BIOL_SCI 308, 233 (lab) PHYSICS 130/131- B
Spring	CHEM 215-C/235-C BIOL_SCI 203, 234 (lab) PHYSICS 130/131- C PRO_HLTH 396-B (No-Credit)