

Pre-Pharmacy

Pre-pharmacy is not a major; it refers to a specific curriculum, or set of courses, required for admission to pharmacy school. Pre-pharmacy studies can be completed at UMD in three years, and some students choose to complete a four-year Bachelor of Science degree before entering pharmacy school. The Doctor of Pharmacy (Pharm.D.) degree is a four-year program after completion of the pre-pharmacy curriculum. The University of Minnesota Pharm.D. program is offered through the College of Pharmacy on the Twin Cities campus and on the Duluth campus.

Typical Program of Study:

Fall Semester

First Year

Chem 1151 General Chemistry I	5 cr
Math 1296 Calculus I ^a	5 cr
Comp 1120 College Writing	<u>3 cr</u>
	13 cr

Second Year

Chem 2521 Organic Chemistry I	4 cr
Biol 1761 Human Anatomy	4 cr
Biol 1012 General Biology II ^c	5 cr
Liberal education course ^d	<u>3 cr</u>
	16 cr

Third Year

Phys 1002 Introduction to Physics II ^d	5 cr
Biol 4501 Microbiology	4 cr
Comm 1112 Public Speaking <i>or</i> Psychology <i>or</i> Sociology course ^b	4 cr
Liberal education course ^d	<u>3 cr</u>
	16 cr

Spring Semester

Chem 1152 General Chemistry II	5 cr
Comm 1112 Public Speaking <i>or</i> Psychology <i>or</i> Sociology course ^b	4 cr
Biol 1011 General Biology I	<u>5 cr</u>
	14 cr

Chem 2522 Organic Chemistry II	4 cr
Phys 1001 Introduction to Physics I ^d	5 cr
Biol 2101 Cell Biology ^c	3 cr
Comm 1112 Public Speaking <i>or</i> Psychology <i>or</i> Sociology course ^b	<u>3 cr</u>
	15 cr

Econ 1022 or 1023 Macro or Micro Economics	3 cr
Comp 3150 Advanced Writing: Science	3 cr
Liberal education courses ^d	<u>10 cr</u>
	16 cr

^a First math course is determined by math placement exam. This schedule presupposes placement into Math 1296.

^b Choose one: Comm 1112 is required; Psy 1003 and Soc 1101 are recommended options to fulfill "Psychology" and "Sociology" requirements.

^c Prerequisite for Biol 4501 Microbiology.

^d Or Physics 2011 and 2012 which require completion of Math 1296-1297 Calculus I and II

^e In addition to the prepharmacy course requirements, students must complete at least 30 credits of general education (nonscience, nonmathematics, nonprofessional) courses. Prepharmacy credits earned in behavioral sciences, English composition, economics, and public speaking apply toward this general education requirement.

For Pre-Pharmacy information:

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For Doctor of Pharmacy information:

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