

INDIVIDUALIZED STUDIES (PRE-PHARMACY) - BACHELOR OF INDIVIDUALIZED STUDIES

A Suggested Plan of Study for Students

This roadmap assumes student placement in MATH 1220G College Algebra and ENGL 1110G Composition I. This plan only counts those credits earned while in residence at NMSU, not the credits to be earned subsequently in the UNM PharmD program and transferred back to NMSU. The contents and order of this roadmap may vary depending on initial math and English placement and other factors. While students need to satisfy prerequisites to enroll in math and science courses, there is flexibility in when other degree requirements are satisfied. Many courses are offered only once per year. Students are strongly encouraged to consider this when planning for the year ahead.

Freshman		Credits
Fall		
FYEX 1112	The Freshman Year Experience	3
MATH 1220G	College Algebra ¹	3
COMM 1115G	Introduction to Communication	3
PHIL 1115G	Introduction to Philosophy (or other Philosophy General Education course)	3
ECON 2110G or ECON 2120G	Macroeconomic Principles or Principles of Microeconomics	3
Credits		15
Spring		
MATH 1430G	Applications of Calculus I ¹	3
CHEM 1215G & CHEM 1121	General Chemistry I Lecture and Laboratory for STEM Majors and General Supplemental Instruction I	5
ENGL 1110G	Composition I	4
ARSC 2996	Interdisciplinary Topics (Intro to Pharmacy)	2
ARTH 2110G	History of Art I (or other Area VI General Education course) ²	3
Credits		17
Sophomore		
Fall		
PHYS 1230G	Algebra-Based Physics I	3
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory	4
ENGL 2221G or ENGL 2210G	Writing in the Humanities and Social Science or Professional and Technical Communication Honors	3
CHEM 1225G & CHEM 1122	General Chemistry II Lecture and Laboratory for STEM Majors and General Supplemental Instruction II	5
Selective A or B		3
Credits		18
Spring		
BIOL 353	Pre-Professional Human Anatomy	4
BIOL 305 or SPMD 2210	Principles of Genetics or Anatomy and Physiology I	3

CHEM 313 & CHEM 303	Organic Chemistry I and Organic Supplemental Instruction I	4
CHME 395V	Brewing Science and Society (or other VWW course outside Arts and Sciences) ³	3
Non-professional elective		3
Credits		17
Junior		
Fall		
CHEM 314 & CHEM 304	Organic Chemistry II and Organic Supplemental Instruction II	4
PHYS 1240G	Algebra-Based Physics II	3
BIOL 354 or SPMD 3210	Physiology of Humans or Anatomy and Physiology II	3
CHEM 315	Organic Chemistry Laboratory	2
ANTH 357V	Medical Anthropology (or other VWW course) ³	3
Selective A or B		3
Credits		18
Spring		
BIOL 311 L	General Microbiology Laboratory	2
BIOL 311 or BIOL 2320	General Microbiology or Public Health Microbiology	3
MATH 1350G or A ST 311	Introduction to Statistics or Statistical Applications	3
BCHE 395	Biochemistry I (or Non-professional elective)	3
Non-professional electives totalling at least 4 credits		4
Credits		15
Total Credits		100

¹ MATH 1430G or MATH 1511G is required for the degree but students may need to take any prerequisites needed to enter MATH 1430G first.

² See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses

³ See the Viewing a Wider World (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) section of the catalog for a full list of courses

Students interested in other activities related to pre-pharmacy studies should consider joining the NMSU Pre-Pharmacy society. Please contact Amy Buesing, abuesing@nmsu.edu