

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 includes 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 some 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		
MATH 1220G & MATH 1221 or MATH 1430G	College Algebra ¹ or Applications of Calculus I	4
COMM 1115G or HNRS 2175G	Introduction to Communication or Introduction to Communication Honors	3
PHIL 1115G	Introduction to Philosophy (or other Philosophy General Education course)	3
ECON 2110G or ECON 2120G	Macroeconomic Principles or Principles of Microeconomics Honors	3
FYEX 1110	First-year Seminar (or other elective credit if needed) ⁴	1-3
Credits		14-16
Spring		
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	5
ENGL 1110G or ENGL 1110H or ENGL 1110M	Composition I or Composition I Honors or 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
PHED 1230	Individual Sport: (or other elective credit if needed) ⁴	1
Credits		15
Sophomore		
Fall		
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	3
BCHE 140	Explorations in Chemistry and Biochemistry	1
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	5

Selective A or B		3
Credits		16
Spring		
BIOL 353 or SPMD 2210	Pre-Professional Human Anatomy or Anatomy and Physiology I	4
BIOL 305	Principles of Genetics	3
CHEM 313	Organic Chemistry 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	Organic Chemistry II	4
BIOL 354 or SPMD 2225	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 B or A		3
Credits		15
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		92-94

¹ MATH 1220G or MATH 1430G is required for the degree but students may need to take any prerequisites needed to enter MATH 1220G 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

⁴ Elective credits may be added if student needs to enroll in at last 15 credits to be eligible for certain types of financial aid. Suitable coursework includes FYEX, PHED and other flexible courses that can be taken for one or two credits.

Students interested in other activities related to pre-pharmacy studies should consider joining the NMSU Pre-Pharmacy society. Please see <https://cpp.nmsu.edu/> for contact information.