

## Pre-Pharmacy Pathway Checklist

EOU Course	Course Title	Credits	Prerequisite(s)
ANTH 203	Intro to Cultural Anthropology	5	
BIOL 221Z + Lab (BIOL 221L)	Principles of Biology 1	5	co-requisites: BIOL 221L & CHEM 221Z
BIOL 222Z + Lab (BIOL 222L)	Principles of Biology 2	5	BIOL 221Z, CHEM 221Z; co-requisite: CHEM 222Z
BIOL 223Z + Lab (BIOL 223L)	Principles of Biology 3	5	BIOL 221Z, 222Z, & CHEM 221Z, 222Z; co-requisite CHEM 223Z
BIOL 323 + Lab (BIOL 323L)	General Microbiology	4	BIOL 221Z - 223Z
*BIOL 341 + Lab (BIOL 341L)	Genetics 1	4	BIOL 221Z - 223Z
*BIOL 342 + Lab (BIOL 342L)	Genetics 2	4	BIOL 341
*BIOL 445	Immunology	3	BIOL 221Z - 223Z & CHEM 334
BIOL 462	Cellular Neurobiology	3	BIOL 431
CHEM 221Z + Lab (CHEM 227Z)	General Chemistry 1	5	MATH 111Z (or placement score); can be taken concurrently
CHEM 222Z + Lab (CHEM 228Z)	General Chemistry 2	5	CHEM 221Z; MATH 112Z co-requisite recommended
CHEM 223Z + Lab (CHEM 229Z)	General Chemistry 3	5	CHEM 222Z
CHEM 334	Organic Chemistry 1	4	CHEM 222Z
CHEM 335	Organic Chemistry 2	4	CHEM 334
CHEM 336	Organic Chemistry 3	4	CHEM 335
CHEM 338	Organic Chemistry Lab 1	1	CHEM 334
CHEM 339	Organic Chemistry Lab 2	1	CHEM 335 & 338
CHEM 450 & 454	Structural Biochemistry & Biochemistry Lab	4/2	CHEM 336
CHEM 451	Metabolic Biochemistry	4	CHEM 450
COM 111Z	Interpersonal Communication	4	
ECON 201 &/or 202	Microeconomics &/or Macroeconomics	4	

MATH 241 or 251Z	Survey Calculus or Calculus 1	4	MATH 111Z / MATH 112Z (or placement score)
PHYS 201 + Lab (PHYS 201L)	General Physics 1	4	MATH 112Z (or placement score)
PHYS 202 + Lab (PHYS 202L)	General Physics 2	4	PHYS 201
PHYS 203 + Lab (PHYS 203L)	General Physics 3	4	PHYS 202
PSY 201Z	General Psychology 1	4	
PSY 202Z	General Psychology 2	4	
SCI 215	Medical Terminology	3	WR 115 or WR 121Z
SOC 204Z	Intro to Sociology	4	
SOC 206Z	Social Problems	4	
STAT 327 or 352	Stat & Experimental Design or Statistics	5/4	MATH 111Z / STAT243Z & MATH 111Z (or placement score)

Updated 8.2025

\*Indicates courses that are not required by all Pharmacy programs, but highly recommended.

The pre-pharmacy curriculum at EOU is designed to prepare students for entrance into pharmacy school. Although some pharmacy schools do not require a baccalaureate (B.A./B.S.) degree for admission, it is highly recommended that students plan to complete a bachelor's degree prior to matriculation. Additionally, EOU coursework prepares students for the Pharmacy College Admission Test (PCAT), which is an admission requirement for many pre-pharmacy schools. Students are strongly encouraged to work closely with their advisor when selecting appropriate coursework.