

Pre-Pharmacy Pathway Checklist

EOU Course Number	Course Title	Credit	Prerequisites
SOC 204	General Sociology	5	
SOC 205	Social Problems	5	
COM 111	Interpersonal Communications	3	
PSY 201	General Psychology	4	
PSY 202	General Psychology	4	PSY 201
ANTH 203	Cultural Anthropology	5	
ECON 201 or 202	Microeconomics or Macroeconomics	5	MATH 095 or MATH 098
SCI 215	Medical Terminology	3	WR 115 or WR 121
MATH 241 or 251	Survey of Calculus or Calculous	4	MATH 241: MATH 111 or equivalent MATH 242: MATH 112 or equivalent
STAT 327 or 352	Stat. & Experimental Design or Statistics		STAT 327: MATH 105, 111 or higher with a C- or better STAT 352: STAT 243 (or STAT 327) and MATH 111
PHYS 201 w/lab	General Physics I	4	MATH 111 or equivalent. Math 112 recommended
PHYS 202 w/lab	General Physics II	4	PHYS 201 w/lab
PHYS 203 w/lab	General Physics III	4	PHYS 202 w/lab
BIOL 211	Principles of Biology I	4	Co-requisite: BIOL 211L and CHEM 204
BIOL 211 Lab	Principles of Biology Lab	1	Co-requisites: BIOL 211, CHEM 204
BIOL 212	Principles of Biology II	4	Prerequisites: BIOL 211, CHEM 204; co-requisite: CHEM 205
BIOL 212 Lab	Principles of Biology Lab	1	Prerequisites: BIOL 211, CHEM 204; co-requisites: BIOL 212, CHEM 205
BIOL 213	Principles of Biology III	4	Prerequisites: BIOL 211, 212, CHEM 204, 205; co-requisite CHEM 206
BIOL 213 Lab	Principles of Biology Lab	1	Prerequisites: BIOL 211, 212, CHEM 204, 205; co-requisites BIOL 213, CHEM 206
BIOL 317	Vertebrate Structure w/lab	5	Prerequisites: Major level Biology sequence

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BIOL 323 w/Lab	General Microbiology w/lab	5	BIOL 211, 212, 213 or a majors-level biology sequence.
BIOL 341*	Genetics w/lab	4	Prerequisite: BIOL 211, 212, 213 or a majors-level biology sequence. At least sophomore standing.
BIOL 342*	Genetics w/lab	4	Prerequisites: BIOL 211, 212, 213 or a majors-level biology sequence, BIOL 341, and CHEM 334. At least sophomore standing.
BIOL 445*	Immunology	3	BIOL 211, 212, 213 or a majors-level biology sequence and CHEM 334. At least Junior standing.
BIOL 462	Cellular Neurobiology	3	BIOL 431
CHEM 204 w/lab	General Chemistry I	5	HS CHEM or consent of instructor & MATH 111 (can be taken concurrently)
CHEM 205 w/lab	General Chemistry II	5	CHEM 204 or consent of instructor. MATH 112 or equiv. recommended.
CHEM 206 w/lab	General Chemistry III	5	CHEM 205 or equivalent
CHEM 334	Organic Chemistry I	4	CHEM 205 or equivalent
CHEM 335 & 338	Organic Chemistry II w/lab	5	CHEM 334 or equivalent
CHEM 336 & 339	Organic Chemistry III w/lab	5	CHEM 335 & 338
CHEM 450	Structural Biochemistry	4	CHEM 336
CHEM 451 & 454	Metabolic Chemistry & Biochemistry Lab	6	CHEM 450 Structural Biochemistry and CHEM 336 or equivalent or consent of instructor.

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

***The pre-pharmacy curriculum at EOU is designed to prepare students for entrance into to 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.