

## Pre-Veterinary Medicine Pathway Checklist

<b>EOU Course Number</b>	<b>Course Title</b>	<b>Credit</b>	<b>Prerequisites</b>
SOC 204	General Sociology	5	
SOC 205	Social Problems	5	
COM 112	Public Speaking	3	
PSY 201	General Psychology	4	
PSY 202	General Psychology	4	PSY 201
ANTH 203	Cultural Anthropology	5	
MATH 112	Precalculus	4	MATH 111 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
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.

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BIOL 445	Immunology	3	BIOL 211, 212, 213 or a majors-level biology sequence and CHEM 334. At least Junior standing.
BIOL 432	Animal Physiology w/lab	5	BIOL 431
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.
<b>Optional Courses</b>			
BIOL 231-232	1 full year of Human Anatomy & Physiology w/labs	12	Math 070 or higher

It is highly recommended that students also take courses in Animal Nutrition or complete an Animal Science minor through the EOU partnership with OSU. Student must meet with an OSU advisor in order to map out requirements for the AS minor.

The courses listed on this check list include the most commonly required veterinary medicine prerequisites and students typically must also complete a Baccalaureate degree in addition to these courses.

\*\*\*The pre-veterinary medicine curriculum at EOU is designed to meet the requirements for admission to schools of veterinary medicine. Additionally, the curriculum is designed to prepare students for the Graduate Record Examination (GRE) or Medical College Admission Test (MCAT) required by most schools of veterinary medicine.

Students are strongly encouraged to work closely with their advisor when choosing appropriate coursework.

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