

Pre-Veterinary Medicine Planning Guide

Prerequisite courses vary from school to school. It's very important that you check the websites of schools you want to apply to in order to make sure you're taking the courses they require. The courses in this table are a summary of the most common requirements.

Prerequisite Courses	Options at UW–Madison	Required by programs?
General Chemistry	Two options: (choose one) <ul style="list-style-type: none"> Chemistry 103 (lecture + lab) and Chemistry 104 (lecture + lab) Chemistry 109 (lecture + lab) 	Most require two semesters with lab.
Biology	Three options: (choose one) <ul style="list-style-type: none"> Zoology 101 (lecture), Zoology 102 (lab), and an additional bioscience with lab Biology 151 (lecture + lab) and Biology 152 (lecture + lab) Biocore (4 semesters of lecture + lab) 	Most require two semesters with lab. Some require one semester with lab.
Organic Chemistry	<ul style="list-style-type: none"> Chemistry 343 (lecture), Chemistry 345 (lecture), and Chemistry 344 (lab) 	Many require two semesters with lab. Some require one semester with lab.
Biochemistry	Two options: (choose one) <ul style="list-style-type: none"> Biochemistry 501 (lecture) Biochemistry 507-508 (lectures) 	Yes
Genetics	Two options: (choose one) <ul style="list-style-type: none"> Genetics 160 (lecture) Genetics 466 (lecture) 	Yes
Microbiology	Two options: (choose one) <ul style="list-style-type: none"> Microbiology 101 (lecture) and Microbiology 102 (lab) Microbiology 303 (lecture) and Microbiology 304 (lab) 	Many require one semester with lab.
Physics	Four options: (choose one) <ul style="list-style-type: none"> Physics 103-104 (lecture + lab) (not based on calculus) Physics 207-208 (lecture + lab) (based on calculus) Physics 201-202 (lecture + lab) (for engineering students) EMA 201 and Physics 202 (lecture + lab) (for BME students) 	Many require two semesters with lab. Some require one semester with lab.
Statistics	Four options: (choose one) <ul style="list-style-type: none"> Statistics 371 (lecture) Statistics 301 (lecture) Biostatistics 541 (lecture) Statistics in your major (e.g., Psychology 210) 	Many require one semester of statistics.
English, Literature, Communication	Many options on campus	Many require 3-6 credits.

Many schools of veterinary medicine require or recommend one or more of the following: Nutrition/Animal Nutrition, Physiology/Animal Physiology, Anatomy, and additional humanities and/or social science courses.

Resources

Learning resources available on UW campus

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| <ul style="list-style-type: none"> Greater University Tutoring Services (GUTS) Peer Learning Association (PLA) Chemistry Learning Center (CLC) Physics Learning Center (PLC) Math Lab Statistics Lab Writing Center | http://guts.wisc.edu
https://win.wisc.edu/organization/pla
https://www.chem.wisc.edu/areas/clc
https://www.physics.wisc.edu/plc
https://www.math.wisc.edu/undergraduate/mathlab
https://www.stat.wisc.edu/courses/Tutorial_Schedule
http://www.writing.wisc.edu |
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Professional organizations

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| <ul style="list-style-type: none"> American Veterinary Medical Association Association of American Veterinary Medical Colleges | https://www.avma.org
http://www.aavmc.org |
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