

PRE-VETERINARY PROGRAM

Degree Requirements

The following program is designed to meet the requirements to apply to the Western College of Veterinary Medicine, while allowing students to also progress in parallel with other programs in the Faculty of Agricultural and Food Sciences.

Course	Title	Hours
Year 1		
ABIZ 1000	Introduction to Agribusiness Management	3
AGRI 1600	Introduction to Agrifood Systems	3
BIOL 1020	Biology 1: Principles and Themes	3
BIOL 1030	Biology 2: Biological Diversity, Function and Interactions	3
CHEM 1100	Introductory Chemistry 1: Atomic and Molecular Structure and Energetics	3
CHEM 1120	Introduction to Chemical Techniques	3
CHEM 1130	Introduction to Organic Chemistry ¹	3
ECON 1010	Introduction to Microeconomic Principles	3
ENGL 1340 or ENGL 1400	Introduction to Literary Analysis ² or Thematic Approaches to the Study of Literature	3
HNSC 1200 or HNSC 1210	Food: Facts and Fallacies or Nutrition for Health and Changing Lifestyles	3
Select one of the following: ³		3
MATH 1210	Techniques of Classical and Linear Algebra	
MATH 1300	Vector Geometry and Linear Algebra	
MATH 1500	Introduction to Calculus	
MATH 1510	Applied Calculus 1	
MATH 1520	Introductory Calculus for Management and Social Sciences	
Hours		33
Year 2		
AGRI 2030	Technical Communications ²	3
AGRI 2400	Experimental Methods in Agricultural and Food Sciences	3
CHEM 1110	Introductory Chemistry 2: Interaction, Reactivity, and Chemical Properties	3
CHEM/MBIO 2730	Elements of Biochemistry 1 ⁴	3
MBIO 1010	Microbiology I	3
PHYS 1020	General Physics 1	3
PLNT 2520 or BIOL 2500	Genetics or Genetics 1	3
Free Electives ⁵		9
Hours		30
Total Hours		63

³ Students are recommended to take one of the MATH courses listed in the program requirements above however may also use either MATH 1220 or MATH 1230 to meet the requirement.

⁴ Under required courses, students can use either CHEM 2700/MBIO 2700 (Biochemistry 1: Biomolecules and an Introduction to Metabolic Energy) or CHEM 2730/MBIO 2730 (Elements of Biochemistry 1).

⁵ Note that ANSC 2500, ANSC 2510, and ANSC 2520 are recommended as electives for students to progress in parallel with the Animal Systems program.

¹ Students can hold CHEM 2100 (Organic Chemistry I: Foundations of Organic Chemistry) in place of CHEM 1130 (Introduction to Organic Chemistry).

² AGRI 2030 and ENGL 1340/ENGL 1400 together meet the English requirements of 6 credit hours. Students may elect to take either ENGL 1200 or ENGL 1300 for the Pre-Veterinary program.