

**Veterinary Health Science Early  
Acceptance Pathway  
Three-Year Curriculum  
133.5 Credit Hours**

Freshman Year – Fall	Cr.
UACT 100 Strategies for College Success <sup>a</sup>	1
ENGL 101 Composition I <sup>a,e</sup>	3
VHS 194 Pre-Vet Career Seminar <sup>b</sup>	2
BIOL 111 General Biology I & Lab <sup>a,b,e</sup>	4
Prerequisite: C- or better BIOL 100, placement in ENGL 101 or ACT reading score of 23	
CHEM 111 General Chemistry I & Lab <sup>c</sup>	4
Prerequisite: C- or better MATH 105, 115, 120 or Math ACT of ≥ 23	
HIST Requirement <sup>a,f</sup>	3
Total Credit Hours 17	

Freshman Year – Spring	Cr.
Fine Art Requirement <sup>a</sup>	3
HIST Requirement <sup>a,f</sup>	3
ENGL 102 Composition II <sup>a</sup>	3
BIOL 112 General Biology II & Lab <sup>a,b,e</sup>	4
Prerequisite: C or better BIOL 111 w/lab	
CHEM 112 General Chemistry II & Lab <sup>c</sup>	4
Prerequisite: C- or better CHEM 111 w/ lab	
Total Credit Hours 17	

Sophomore Year – Fall	Cr.
CHEM 221 Organic Chemistry I & Lab <sup>c,e</sup>	4
Prerequisite: C- or better in CHEM 112 w/ lab	
VHS 211 Animal A&P I & Lab <sup>b</sup>	4
Prerequisite: C- or better in BIOL 111 & 112 w/ lab	
Behavioral/Social Science Requirement <sup>a,f</sup>	3
COMM 200 Fund of Speech & Comm. <sup>a</sup>	3
MATH 120 Trigonometry <sup>a,c</sup> <b>OR</b>	3
Prerequisite: C- or better MATH 115 or Math ACT of ≥ 23	
MATH 150 Calculus I <sup>a,c</sup>	4
Prerequisite: C- or better MATH 120 or Math ACT of ≥ 26	
Total Credit Hours 17-18	

Sophomore Year – Spring	Cr.
CHEM 222 Organic Chemistry II & Lab <sup>c,e</sup>	4
Prerequisite: C- or better CHEM 221 w/lab	
VHS 212 Animal A&P II & Lab <sup>b</sup>	4
Prerequisite: C- or better in VHS 211 w/ lab	
VHS 230 Animal Handling and Restraint & Lab <sup>b</sup>	4
Corequisite of VHS 211 or 212 w/ lab	
VHS Elective	3
LNCN 100 Lincoln's Life & Legacy <sup>a</sup>	1
VHS 240 Pre-vet Experience I <sup>b</sup>	1
Prerequisite: B- or better VHS 194	
Total Credit Hours 17	

Junior Year – Fall	Cr.
PHYS 211 Physics I & Lab <sup>c,e</sup>	4
Prerequisite: C- or better MATH 120 or Math ACT of ≥ 26	
BIOL 441 Biochemistry <sup>c,e</sup>	4
Prerequisite: C- or better BIOL 111 w/lab and CHEM 221 & 222 w/labs	
VHS 320 Veterinary Science Junior Seminar <sup>b</sup>	3
Prerequisite: ENGL 102 and Jr. standing	
VHS 320X Junior Writing Requirement <sup>b</sup>	0
CIVX 300 <sup>a</sup> American Civics	2
Prerequisite: LNCN 100	
VHS 300 Parasitology & Lab <sup>b,f</sup>	4
Prerequisite: C- or better BIOL 112 w/lab	
Total Credit Hours 17	

Junior Year – Spring	Cr.
VHS 360 Advanced Animal Anatomy & Lab <sup>b,f</sup>	4
Prerequisite: B- or better VHS 212 w/lab	
FA/Hum/Ethics Requirement <sup>a</sup>	3
BIOL 315 Molecular Genetics & Lab <sup>c,e</sup>	4
Prerequisite: C- or better BIOL 111 & 112 w/labs and CHEM 111 w/labs	
VHS Elective <sup>b</sup>	3
VHS 340 Pre-vet Experience II <sup>b</sup>	1
Prerequisite: B- or better VHS 240	
Total Credit Hours 15	

Total Undergraduate Credit Hours 133.5

Senior Year – Fall <sup>g</sup>	Cr.
Reverse transfer of 33.5 credit hours from LMU-CVM following successful completion of YR1	20

Senior Year – Spring <sup>g</sup>	Cr.
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a = LMU BS Core Curriculum Requirement. See LMU Undergraduate catalog for details.

b = Major Requirement. See LMU Undergraduate catalog for specific details.

c = Collateral Requirement. See LMU Undergraduate catalog for specific details.

d = VHS elective requirement. See LMU Undergraduate catalog for specific details.

e = LMU-CVM Requirement for Admission. See LMU-CVM Student Handbook and Catalog for details.

f = Suitable to fulfill LMU-CVM Admissions Advanced Science or History/Social Sciences Requirement. See LMU-CVM Student Handbook and Catalog for details.

g = Courses waived for those who qualify for early entry into DVM program.

### **New & Revised Courses FA2021**

**VHS 194 Pre-vet Career Seminar** (2 cr hrs) This course is open to those students that qualify academically for the guaranteed early admission pathway to LMU-CVM. It offers exposure to the veterinary medical profession through topics and speakers relevant to a career pathway in the veterinary medical field. Practicing veterinarians from a variety of clinical settings, upper-level students and veterinary students will share about the profession. Prerequisites: ACT Math  $\geq 24$ , ACT Reading  $\geq 23$  (or analogous SAT scores). Fall

**VHS 211 Animal Anatomy & Physiology I** (3 cr hrs) This is the first of a two-course sequence examining comparative microscopic and gross anatomy, physiology, structure, and function of the animal body. This course includes a study of the anatomy and physiology of cells and tissues as well as the integumentary, skeletal, muscular, cardiovascular, respiratory, hemolymphatic, and immune systems. In conjunction with classroom instruction, the anatomy and physiology lab component for this course requires students to apply knowledge from the classroom to hands-on and critical-thinking application exercises. Veterinary medical and anatomic terminology and nomenclature will be emphasized. Prerequisite: C- or better BIOL 112 w/lab. Corequisite: VHS 211L. Fall

**VHS 212 Animal Anatomy & Physiology II** (3 cr hrs) This is the second of a two-course sequence examining comparative microscopic and gross anatomy, physiology, structure, and function of the animal body. This course includes a study of the anatomy and physiology of cells and tissues as well as the urinary, digestive, nervous, endocrine, reproductive, and special sensing systems. In conjunction with classroom instruction, the anatomy and physiology lab component for this course requires students to apply knowledge from the classroom to hands-on and critical-thinking application exercises. Veterinary medical and anatomic terminology and nomenclature will be emphasized. Prerequisite: B- or better VHS 211 w/lab. Corequisite: VHS 212L. Spring.

**VHS 230 Animal Husbandry & Handling** (3 cr hrs) The rural animal husbandry and handling portion of this course will focus on the practical aspects of behavior, nutrition, breeding, reproduction, health, economics, and management of horses, large and small ruminants, poultry, pigs, and other hobby type, rural farm animals will be discussed. The companion animal husbandry and handling portion of this course will provide information on basic animal care and husbandry of small animals including pocket pets. Course topics include behavior, vaccinations, common diseases, and nutrition. The semester will be split into two sections, one for rural animal material and one for companion animal

material. Prerequisite: C- or better in BIOL 112 w/lab. Corequisite: VHS 230L. Travel off campus will be required for the rural animal portion of this course. Fall, spring.

**VHS 240 Pre-vet Experience I** (1 cr hr) This is the first of two experiential learning courses in the veterinary health science curriculum. In this course, the student will complete work experience at an approved veterinary clinical or scientific setting. The student must submit written reports throughout the course detailing time spent in the setting and description of activities. Submission of an experiential portfolio is required. Prerequisite: Grade of at least B- in VHS 194 and approval of Department Chair. Spring

**VHS 320 Veterinary Science Junior Seminar** (3 cr hrs) In this course, the student will investigate a veterinary medical related topic through primary literature in the field. A faculty mentor with expertise in the field may be assigned. Additionally, in this course, students will be exposed to interpersonal communication skills, resume building skills, and participate in mock interviews. Prerequisite: ENGL 102 and junior standing. Corequisite: VHS 320X. Fall.

**VHS 340 Pre-vet Experience II** (1 cr hr) This is the second of two experiential learning courses in the veterinary health science curriculum. In this course, the student will complete work experience at an approved veterinary clinical or scientific setting. The student must submit written reports throughout the course detailing time spent in the setting and description of activities. Submission of an experiential portfolio is required. Prerequisite: Grade of at least B- in VHS 240 and approval of Department Chair. Spring

**VHS 360 Advanced Animal Anatomy** (3 cr hrs) This course is an in-depth study of macroscopic comparative anatomy of common veterinary species (canine, feline, bovine, equine, and small ruminant). Body structure will be studied by region and organ systems. Form-function relationships will be emphasized. Prerequisite: B- or better in VHS 212 w/lab. Corequisite VHS 360 Lab. Spring.

LMU-CVM Prerequisite	Semester Units
Biology <a href="#">BIOL111 &amp; BIOL112</a>	8
Genetics <a href="#">BIOL315</a>	3
Biochemistry <a href="#">BIOL441</a>	3
Advanced Science Electives <a href="#">VHS 360</a> OR <a href="#">VHS300</a> <a href="#">300-400 level BIOL Elective</a>	8
Organic Chemistry <a href="#">CHEM221 &amp; CHEM222</a>	6
General Chemistry <a href="#">CHEM111 &amp; CHEM112</a>	6
Physics <a href="#">PHYS211</a>	3
English <a href="#">ENGL101</a>	3
Social Sciences	3

LNCN100 HIST courses	
Minimum Total Credits	43
Recommended	
VHS 194	2
VHS 240	1
VHS 340	1
Minimum Recommended Credits	47

Must have:

194 Fa (freshman)

240 Sp (sophomore)

340 Sp (junior)

- Must take 360 Advanced Anatomy & lab
- Do NOT take upper-level bio elective
- Do Not take Senior writing 497
- Do Not take Nutrition 370