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## Veterinary College Prerequisite Courses - United States Universities

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### AUB - Auburn University – College of Veterinary Medicine

The Quad Center, 217 Goodwin / Overton Auburn, AL 36849

(334) 844-6425

<http://www.vetmed.auburn.edu>

*Seats: Total: 120, Resident: 41, Contract: 38, Non-Resident: 41*

#### Courses - Semester hours                      Total semester hour credits 74

**Biology I & II** with lab.s (8)

**Cell Biology** (3)

**Biochemistry** (3)

**Fundamentals of Chemistry** with lab (8)

**Organic Chemistry** with lab (6)

**Physics** (4)

**Animal Nutrition** (3)

**Science electives** (6) Science electives must include at least two of the following: comparative anatomy, genetics, embryology, mammalian or animal physiology, microbiology, physics II, histology, reproductive physiology, parasitology, or immunology.

**Math** (3) Pre-Calculus with Trigonometry

**English** (3) Literature A six-hour sequence is required in either literature or history.

**History** (3) A six-hour sequence is required in either literature or history

**Fine Arts** (3) Fine arts include art, music, theater, and dance with an emphasis on history and appreciation rather than performance

**Humanities/Fine Arts Electives** (6)

**Social and Behavioral Science Electives** (9) include: history, anthropology, economics, geography, political science, psychology, and sociology.

### UCD – University of California, Davis - School of Veterinary Medicine

One Shields Avenue, Davis, CA 95616(530)-752-1383    [admissions@vmdean.ucdavis.edu](mailto:admissions@vmdean.ucdavis.edu)

[http://www.vetmed.ucdavis.edu/students/admissions/required\\_prevet\\_courses.cfm](http://www.vetmed.ucdavis.edu/students/admissions/required_prevet_courses.cfm)

*Seats: Total: 138, Resident: varied, Contract: varied, Non-Resident: varied*

Bachelor's Degree Required

#### Courses

**General Biology** with lab (two semesters)

**Biochemistry** no lab, upper division course (one semester)

**General Chemistry** with lab (two semesters)

**Organic Chemistry** with lab (two semesters)

**Physics** no lab (two semesters)

**Genetics** no lab, upper division course (one semester)

**Systemic Physiology** no lab, upper division course (one semester)

**Statistics** (one semester)

### CSU - Colorado State University – College of Veterinary Medicine and Biological Sciences

Fort Collins, CO 80523-1062 USA (970) 491-6909    <http://admissions.colostate.edu/>

<http://csu-cvmb.colostate.edu/dvm-program/Pages/DVM-Program-Entrance-Requirements.aspx>

*Seats: Total:140, Resident:75 , Contract: 30-35, Non-Resident: 30-35*

#### Courses - Semester Hours                      Total semester credit hours 60

**Laboratory** associated with a **biological science** course (1)

**Laboratory** associated with a **chemistry** course (1)

**Biochemistry** (3) required prerequisite of Organic Chemistry

**Physics** with a lab (4)

**Genetics** (3)

**Statistics** (3) upper division course preferred - calculus is not a substitute

**English** (3) Composition

**Arts & Humanities/Behavioral & Social Science electives** (12) Art, dance, English, humanities, foreign language, music, philosophy, speech, theater, anthropology, economics, geography, history, political sciences, psychology, sociology

**Electives/ Science electives** (30) Students are encouraged to take additional upper division biomedical science courses.

The following are not required, but are highly recommended: microbiology, cell biology, developmental biology, computer sciences, anatomy, physiology, histology, nutrition, and other advanced biomedical sciences.

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## Veterinary College Prerequisite Courses - United States Universities

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### COR – Cornell University - College of Veterinary Medicine

Ithaca, New York 14853-6401 (607) 253-3700  
<http://www.vet.cornell.edu/admissions/PSPreReqAcademic.cfm>

*Seats: Total:102, Resident:55, Contract: 0, Non-Resident: 47*

#### Courses - Semester Hours

**Biology or Zoology** with lab (6) full year

**Biochemistry** lab recommended (4) half year required, full year preferred;

**General Chemistry** with lab (6) full year

**Organic Chemistry** with lab (6) full year

**Microbiology** with lab (3)

**Physics** with lab (6) full year

**English** (6) full year Composition and Literature One composition or writing concentrated course required; the other half may be satisfied with an English Literature or Public Speaking course.

**Advanced Life Sciences Courses** - Recommended: Microbiology, Bacteriology, Immunology, Physiology, Bacteriology, Animal/Comparative Physiology, Neurophysiology, Cell Physiology/Histology, Cell Biology, Endocrinology, Genetics Developmental Biology, Molecular Genetics, Developmental Genetics, Bacterial Genetics, Genomics

**Additional Courses** – Recommended: Anatomy/Comparative Anatomy, Animal Science, Animal Behavior, Calculus, Business Mgmt. or Administration, Communication Ecology/Population Biology, Embryology, Endocrinology, Entomology, Epidemiology, Invertebrate Zoology, Medical Microbiology, Molecular Biology, Mycology, Nutrition, Parasitology, Production/Handling, Reproduction, Statistics, Toxicology, Virology

### UFL – University of Florida – College of Veterinary Medicine

Physical Address: 2015 SW 16th Avenue, Room V1-100A, Gainesville, FL 32610-0125

Mailing Address: PO Box 100125 HSC, Gainesville, FL 32610-0125 (352) 294-4244

<http://education.vetmed.ufl.edu/admissions/>

*Seats: Total:112, Resident:88, Contract: 0, Non-Resident: 24*

#### Courses - Semester Hours **Total minimum semester hour credits 80**

**Biology I & II** with lab (2 semesters)

**Biochemistry** This course must be completed at an institution which offers 4-year degrees in the sciences.

**Inorganic Chemistry** with lab (2 semesters)

**Organic Chemistry** with lab (2 semesters)

**Microbiology** with lab This course must be completed at an institution which offers 4-year degrees in the sciences.

**Physics** with lab (2 semesters)

**Genetics** This course must be completed at an institution which offers 4-year degrees in the sciences.

**Animal Nutrition** (1 semester)

**Animal Science** Introduction to Animal Science (1 semester)

**Math** Calculus (1 semester)

**Statistics** (1 semester)

**English** Composition (2 semesters)

**Humanities** (3 courses) These include: ancient and modern languages, literature, history, philosophy, religion, and visual and performing arts such as music and theatre.

**Social Sciences** (2 courses) include: anthropology, archaeology, business administration, communication, criminology, economics, education, government, linguistics, international relations, political science, geography, history, law, sociology and psychology.

**Electives** suggested courses include: Anatomy, Embryology, Physiology, Physics, Psychology, English Literature, English Composition, Public Speaking, and Foreign Languages.

### UGA – University of Georgia – College of Veterinary Medicine

501 D. W. Brooks Drive, Athens, GA 30602 (706) 542-5728

<http://vet.uga.edu/admissions/requirements>

*Seats: Total: 114, Resident:80, Contract: 19, Non-Resident: 15*

#### Courses - Semester Hours

**General Biology** with lab (8)

**Biochemistry** (3)

**Inorganic Chemistry** with lab (8)

**Organic Chemistry** with lab (8)

**Advanced Biological Science** (8) 300/3000 level or higher biology courses that have general biology as a prerequisite. Recommended: Comparative Anatomy, Microbiology, Cell Biology and Genetics. Nutrition, behavior and ecology courses typically do not count towards the advanced biological sciences requirement.

**Physics** with lab (8)

**English** (6)

**Humanities or Social Studies** (14)

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### UIU – University of Illinois at Urbana-Champaign - College of Veterinary Medicine

3505 Veterinary Medicine Basic Sciences Building, 2001 South Lincoln Avenue, Urbana, IL 61802 217-265-0380  
<http://vetmed.illinois.edu/asa/brochure/02.html>

*Seats: Total: 130, Resident:70, Contract:0, Non-Resident:60*

#### Courses - Semester Hours

**Biological Sciences** with lab.s (8)

**Biochemistry** (3) should have an organic chemistry prerequisite and should emphasize the chemistry and metabolism of carbohydrates, lipids, proteins, nucleic acids, vitamins, and coenzymes and their role in the regulation of cellular processes.

**Inorganic Chemistry** with lab (8)

**Organic Chemistry** with lab (8)

**Physics** with lab.s (8) should include the topics of mechanics, heat, sound, light, electricity, and magnetism

**English** (6) Composition three hours of speech/communication can replace three hours of English composition.

**Humanities/Social Sciences** (12)

**Junior/Senior or graduate level science courses** (12) Includes but not limited to: advanced biology, zoology, anatomy, physiology, histology, microbiology, genetics, immunology, cell and molecular biology, neuroanatomy or neurophysiology, nutrition.

### ISU – Iowa State University - College of Veterinary Medicine

2270 Veterinary Medicine, Iowa State University P.O. Box 3020, Ames, IA 50010-3020  
515-294-5337 E-mail: [cvmadmissions@iastate.edu](mailto:cvmadmissions@iastate.edu)

<http://vetmed.iastate.edu/academics/prospective-students/admissions/academic-requirements>

*Seats: Total: 149, Resident:60, Contract: 41, Non-Resident: 48*

#### Courses - Semester Hours Total semester credit hours 60

**General Biology** – (8) 1 year series with labs each term or individual courses with labs including one at the cellular/microbial level and one at the organism level

**Biochemistry** (3)

**General Chemistry** – (7) 1 year series and one semester lab

**Organic Chemistry** - (7) 1 year series and one semester lab

**General Physics** – (4) one semester with lab, first semester of a two-semester series with lab, must include mechanics, fluids, heat and thermodynamics, vibrations, waves and sound. One semester overview courses will not fulfill this requirement.

**Mammalian Anatomy or Physiology** (3) Human anatomy and physiology will fulfill this requirement.

**Genetics** (3) no lab, upper level (junior/senior) course, must include both Mendelian and molecular genetics required.

Most animal breeding or livestock improvement courses will not fulfill this requirement.

**English** (6) Composition one year of composition or writing emphasis courses, may include business or technical writing.

**Oral Communication** (3) May include public speaking, interpersonal communication, group or organizational communication or speaking emphasis courses. A Bachelor's degree fulfills this requirement.

**Arts, Humanities and/or Social Sciences** (8)

**Electives** (8)

### KSU – Kansas State University - College of Veterinary Medicine

Manhattan, KS 66506 785-532-5660

<http://www.vet.k-state.edu/admit/requirements.htm>

*Seats: Total: 110, Resident:45, Contract: 5, Non-Resident: 60*

#### Courses - Semester Hours Total semester credit hours 64

**Principles of Biology or Zoology** (4)

**Biochemistry** (3)

**Chemistry I & II** (8)

**Organic Chemistry** with lab (5)

**Microbiology** with lab (4)

**Physics I & II** (8)

**Genetics** (3)

**English** (6) Expository Writing I & II

**Public Speaking** (2)

**Humanities and/or Social Sciences** (12)

**Electives** (9)

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# Veterinary College Prerequisite Courses - United States Universities

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## LMU – Lincoln Memorial University College of Veterinary Medicine

6965 Cumberland Gap Parkway, Harrogate, TN 37752 (800) 869-9000, ext. 6676 Email: [veterinaryadmissions@lmunet.edu](mailto:veterinaryadmissions@lmunet.edu)  
<http://www.lmunet.edu/cvm/admissions/index.shtml>

*Seats: Total: 110, Resident 55-60, Contract 9, Non-Resident 18-23*

### Courses - Semester Hours                      Total semester credit hours - variable

**Biology** with lab (8)

**Biochemistry** (3)

**Organic Chemistry** with lab (6)

**General Chemistry** with lab (8)

**Physics** (3)

**Genetics** (3)

**English** (6)

**Probability and Statistics** (3)

**Advanced Science Electives** (8) Upper division courses (300 level or higher) including Anatomy, Animal Science, Cell Biology, Immunology, Microbiology, Molecular Biology, Physiology, Virology

**Humanities & Social and Behavioral Sciences** (6) Potential courses include, but are not limited to: Anthropology, Economics, Geography, Philosophy, Political Science or Sociology. Also included: Ethics, Critical Thinking, Cultural Diversity, Social Responsibility, One Health, Human-Animal Bond.

**Electives** (6) Potential courses include but are not limited to: Business, Communications, Foreign Language, History, Public Speaking

## LSU – Louisiana State University School of Veterinary Medicine

Skip Bertman Drive, Baton Rouge, LA 70803 (225) 578-9900 E-mail: [svmweb@vetmed.lsu.edu](mailto:svmweb@vetmed.lsu.edu)  
<http://www1.vetmed.lsu.edu/Admissions/DVMAdmissionsInfo/Course%20Prerequisites/item26645.html>

*Seats: Total: 89, Resident: 60, Contract: 9, Non-Resident: 20*

### Courses - Semester Hours                      Total semester credit hours 66

**General Biology/Zoology** (8) two-semester course sequence with laboratory in general biology or introductory zoology  
**Biochemistry** (3) must have Organic Chemistry as its prerequisite, must include basic concepts and an introduction to the nature and physiological uses of natural substances.

**General Inorganic Chemistry I & II** with labs (8) must be at a level for science or engineering majors

**Organic Chemistry** lab not required (3) Must cover aliphatic and aromatic compounds, with emphasis on the biological aspects of organic chemistry.

**General Physics I & II** (labs not required) (6) Must be at a level for science majors and must include mechanics, heat, sound, light, electricity, magnetism, and topics in modern physics.

**Microbiology** with lab (4) at a level appropriate for premedical students.

**Math** (6) College-level algebra/trigonometry or higher.

**English** (6) Composition I & II

**Speech Communication** (3) Public speaking or interpersonal communication.

**Electives** (20)

## MSU – Michigan State University College of Veterinary Medicine

Veterinary Medical Center F & G wings 784 Wilson Road Room F-104, East Lansing, MI, 48824  
(517) 353-9793 or 353-9794 E-mail: [admiss@cvm.msu.edu](mailto:admiss@cvm.msu.edu)

<http://cvm.msu.edu/student-information/dvm-program-admissions/pre-requisite-course-requirements>

*Seats: Total: 113, Resident: 79, Contract: 0, Non-Resident: 34*

### Courses - Semester Hours

**Biology I & II** with lab.s (6)

**Biochemistry** (3) This should be a complete upper-division course in general biochemistry; half of a two-semester sequence will not meet this requirement.

**Chemistry I** with lab (3)

**Organic Chemistry I & II** with lab (6)

**Microbiology** with lab (4)

**Physics I & II** with lab (8)

**Genetics** (3)

**Cell Biology** (3) eukaryotic

**Nutrition** (3)

**Upper Level Biology:** Cell Biology, Physiology, Neurobiology, Immunology or Histology

**Math** (3) College level algebra & trigonometry or pre-calculus or calculus

**English** (3) Composition

**Humanities** (6) two courses that must include two of the following subject areas: history, literature, art/music/theater, history or appreciation, philosophy, and religion.

**Social and Behavioral Sciences** (6) two courses that must include two of the following subject areas: cultural

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anthropology, economics, human geography, political science, psychology, and sociology.

### MID – **Midwestern University - College of Veterinary Medicine**

19555 North 59th Avenue Glendale, AZ 85308 (623) 572-3215 Email: [admissaz@midwestern.edu](mailto:admissaz@midwestern.edu)  
<http://www.midwestern.edu/programs-and-admission/az-veterinary-medicine.html>

*Seats: Total: 100*

**Courses - Semester Hours**      **Total semester hour credits** - Minimum of 64 total semester hours

**Biology** (8)

**General Chemistry** with lab (8)

**Organic Chemistry** with lab (8)

**Math** - (6) College Algebra or higher

**Physics** with lab (4)

**English** (6) Composition

**Science Electives** (8) include: biochemistry, cell biology, physiology, microbiology, genetics, animal nutrition

### UMN – **University of Minnesota - College of Veterinary Medicine**

1964 Fitch Ave # 108 Saint Paul, MN 55108 (612) 624-4747  
<http://www.cvm.umn.edu/education/prospective/courserequirements/home.html>

*Seats: Total: 102, Resident:55, Contract 0, Non-Resident: 47*

**Courses - Semester Hours**

**General Biology** with lab (6-10)

**Animal Biology or Zoology** with lab (3-5) or the 2nd semester of a two-term biology sequence

**Biochemistry** no lab required (3-5) emphasizing metabolic pathways and regulatory mechanisms.

**General Chemistry** with lab.s (6-10)

**Organic Chemistry** with lab (3-5)

**Microbiology** with lab (3-5) must include taxonomy, morphology, physiology, and ecology of microorganisms

**Physics** with labs (6-10) must include: mechanics, heat, sound, electricity, light, magnetism, and atomic physics

**Genetics** (3-5)

**Math** (3-5) College Algebra, Pre-calculus or Calculus

**English** (6-10) Composition One writing course and one additional English course, such as Speech, Literature, Advanced Writing, Technical Writing, etc.

**Arts and Humanities** (6-10) Arts and Humanities include courses from art, literature, music, philosophy, humanities, theater, religion, and foreign literature. Please note that spoken language courses and musical performance courses are not considered arts and humanities courses.

**Social Sciences and History** (6-8) includes courses from Anthropology, Economics, Geography, History, Political Science, Psychology, Social Science, and Sociology.

### MSS – **Mississippi State University – College of Veterinary Medicine**

240 Wise Center Dr., P.O. Box 6100 Mississippi State, MS 39762 662-325-3432  
<http://www.cvm.msstate.edu/academics/prospective-students/academic-requirements>

*Seats: Total: 85, Resident:40, Contract:12, Non-Resident: 33*

**Courses - Semester Hours**

**General Biology** with lab (8)

**Biochemistry** (3)

**General Chemistry** with lab (8)

**Organic Chemistry** with lab (8)

**Microbiology** with lab (4)

**Physics** (can be Trig-based) (6)

**Math** (6) college algebra or higher

**English** (9) Composition (6) and Speech or technical writing (3) A fundamentals of public speaking course OR a Jr/Sr level technical writing course

**Humanities/fine arts/social and behavioral sciences** (15)

**Advanced/upper-level science electives** (12) Biochemistry, Nutrition, Comparative Zoology, Cellular Physiology, Embryology, Histology, Quantitative Analysis, Calculus, Statistics, Immunology, Zoology, Comparative Anatomy, Animal Physiology, Genetics, Parasitology, Molecular Biology, Physical Chemistry, Differential Equations

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## Veterinary College Prerequisite Courses - United States Universities

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### UMO – University of Missouri – Columbia

### College of Veterinary Medicine

W203 Vet Med Building Columbia, MO 65211 573- 884-3341 E-mail: [VetAdmissions@missouri.edu](mailto:VetAdmissions@missouri.edu)

<http://www.cvm.missouri.edu/prep-undergrad.htm>

*Seats: Total: 120, Resident:60, Contract:0, Non-Resident: 60*

#### Courses - Semester Hours Total semester credit hours completed before applying 60

**Biological sciences** (10) Physiology and Anatomy are highly recommended.

Genetics, Microbiology, Cell Biology, Zoology are recommended

**Biochemistry** (3) with organic chemistry as the pre-requisite

**Inorganic Chemistry**

**Organic Chemistry**

**Physics** (5) 5 hours in only the first of a companion series will not suffice.

**Math** (3) College Algebra or more advanced mathematics

**English** (6) Composition or Communication

**Social Sciences or Humanistic Studies** (10) Psychology and Statistics are recommended

**Electives** (10) Animal Nutrition, Animal Reproduction, Anatomy, Animal Husbandry, Physiology, Business or Accounting, Genetics, Microbiology, Psychology, Statistics, Cell Biology are recommended.

### NCS – North Carolina State University – College of Veterinary Medicine

1060 William Moore Drive, Raleigh, NC 27607 (919) 513-6786

<http://www.cvm.ncsu.edu/student-services/admissions.html>

*Seats: Total: 100, Resident:80, Contract:0, Non-Resident: 20*

#### Courses - Semester Hours Total semester credit hours 59-61

**Biology** or Zoology with lab (4)

**Biochemistry** lab preferred (3-4)

**General Chemistry** with lab.s (8)

**Organic Chemistry** with lab.s (8)

**Microbiology** with lab (4)

**Physics** with lab (8)

**Genetics** lab preferred (3-4)

**Animal Nutrition** (3) Human, Plant and species specific (Equine, Swine, etc) Nutrition courses will NOT satisfy this requirement

**Math** (3) Calculus or Logic

**Statistics** (3)

**English** (6) Composition/Communications or Public Speaking

**Humanities/Social Sciences** (6)

### OHS – The Ohio State University College of Veterinary Medicine

Office of Professional Admissions, Student Academic Building, 281 West Lane Avenue, Columbus, Ohio 43210

(614) 292-9444 [professional@osu.edu](mailto:professional@osu.edu)

<http://vet.osu.edu/education/prerequisites>

*Seats: Total: 180, Resident: up to 100, Contract:0, Non-Resident: up to 80*

#### Courses - Semester Hours

**Biochemistry** if Biochemistry is taught as a two-course sequence, both courses must be taken.

**Microbiology** with lab

**Physiology** lab is not required. Note: unless you took physiology at Ohio State, you must send your physiology course syllabus materials to our office for evaluation at [prospective@cvm.osu.edu](mailto:prospective@cvm.osu.edu) If Physiology is taught as a 2-part sequence, both parts are required. Required systems include: neurology, musculoskeletal, urinary/renal, endocrine, reproductive, digestive, cardiovascular, and respiratory. Some schools may offer this as a combined Anatomy/Physiology course.

**Science electives** Includes, but not limited to: biology, chemistry, anatomy, immunology, cell biology, molecular genetics, animal science, ecology, environmental science or other science courses.

**Communication** Basics of public speaking & critical thinking

**Humanities and Social Sciences** (16) Includes, but not limited to: history, economics, anthropology, psychology, art, music, literature, languages, writing, and ethics.

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## Veterinary College Prerequisite Courses - United States Universities

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### OKS - Oklahoma State University, Center for Veterinary Health Sciences

110 McElroy Hall, Stillwater, OK 74078 405-744-6653  
[http://cvhs.okstate.edu/Required\\_Pre-Veterinary\\_Courses](http://cvhs.okstate.edu/Required_Pre-Veterinary_Courses)

*Seats: Total: 82, Resident: 58, Contract:0, Non-Resident: 24*

#### Courses - Semester Hours      Total semester credit hours (minimum) 64

**Biological Sciences, General Zoology** or equivalent with lab (8)

**Biochemistry** (3)

**Biology electives** for science majors (8)

**Inorganic Chemistry I & II** with lab (8-10)

**Organic Chemistry I & II** with lab.s (8) must include aliphatic & aromatic compounds.

**Physics I & II** (8)

**Genetics** (3) lab recommended but not required.

**Microbiology** with lab (5)

**Animal Nutrition** (3) should include ruminant digestion, absorption, and metabolism.

**Math** (3) college algebra or higher level course; will not accept statistics

**English** (9) Composition (6) and English elective (3) may include: speech, technical writing or literature

Humanities/Social Sciences (6) May include: English literature, speech, music, art, philosophy, religion, language, history, economics, anthropology, political science, psychology, sociology, and geography.

**Electives** science and/or business and commerce are recommended.

### ORS – Oregon State University, College of Veterinary Medicine

700 SW 30th Street, Corvallis, OR 97331-4801 541-737-2098  
<http://vetmed.oregonstate.edu/students/future/dvm/academic-requirements-admission>

*Seats: Total: 72, Resident: 40, Contract:16, Non-Resident:16*

#### Courses - Semester Hours

**General Biology I & II** (6)

**Biochemistry** minimum of one course or course sequence, upper division sequence is preferred.

**General Inorganic Chemistry I & II** with lab.s

**Organic Chemistry** sequence sufficient to meet requirements for upper division biochemistry: 1-2 semesters

**Physics I & II** with lab.s (8)

**Genetics** (3) must include Mendelian and molecular genetics.

**Biological Sciences** Recommended courses: additional biochemistry, additional physiology and/or anatomy, animal reproduction, cell biology, cell physiology, epidemiology, histology, immunology, microbiology, parasitology, virology.

**Animal Nutrition** must include monogastric and ruminant nutrition.

**Physiology** animal or human: at least 2 semesters

**Math** college level algebra and trigonometry or higher level math such as calculus.

**Statistics** (3)

**English** (4) Composition

**Public Speaking** (3)

**Humanities/Social Sciences** (8)

### UPA – University of Pennsylvania School of Veterinary Medicine

Office of Admissions, 3800 Spruce Street, Philadelphia, PA 19104-6044 215.898.5434

[admissions@vet.upenn.edu](mailto:admissions@vet.upenn.edu)

<http://www.vet.upenn.edu/EducationandTraining/StudentAdmissions/Requirements/tabid/298/Default.aspx>

*Seats: Total: 125, Resident: 40, Contract:0, Non-Resident:85*

#### Courses - Semester Hours      Total semester hour credits 90

**Biology or Zoology** (9 - three courses) a basic understanding of genetics should have been derived from these courses. The biology requirements may be met by taking a six semester credit course in general biology, which includes the biology of plants and animals. This may be followed by a course of not less than three semester credits in embryology or comparative anatomy of the vertebrates. An alternative method of completing the biology requirements is to take separate courses in vertebrate zoology, genetics, and embryology or comparative anatomy.

**Biochemistry** (3)

**General Chemistry** with lab (8)

**Organic Chemistry** with lab (4)

**Physics I & II** with lab.s (8)

**Microbiology** (3)

**Math** (3) Calculus

**Statistics** (3)

**English** (6) one must be a composition course

**Social Sciences or Humanities** (6)

**Electives** (37) Additional science courses (biochemistry and microbiology) are strongly encouraged, but not required.

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## Veterinary College Prerequisite Courses - United States Universities

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### **PUR – Purdue University Purdue Veterinary Medicine**

Student Services Center, 625 Harrison Street, West Lafayette, IN 47907  
(765) 494-7893 [vetadmissions@purdue.edu](mailto:vetadmissions@purdue.edu)  
[http://www.vet.purdue.edu/admissions/4-required\\_courses.pdf](http://www.vet.purdue.edu/admissions/4-required_courses.pdf)

*Seats: Total: 84, Resident: 42, Contract: 0, Non-Resident: 42*

#### **Courses – Semesters Total semester credit hours 69-86**

**Biology** with lab (2) including diversity, developmental, cell structure

**Biochemistry** (1) This course should be completed as an upper-division course; half of a 2-semester sequence will not satisfy this requirement.

**Inorganic Chemistry** with lab (2)

**Organic Chemistry** with lab (2)

**Microbiology** with lab (1)

**Physics** with lab (2)

**Genetics** with lab (1)

**Animal Nutrition** (1)

**Careers in Veterinary Medicine** (if available) (1)

**Math** (1) Calculus

**Statistics** (1)

**English** (1) Composition

**Communication** (1) interpersonal, persuasion or speech

**Humanities** (3) foreign languages, cognitive sciences, and social sciences; economics recommended.

### **UTN – University of Tennessee - The College of Veterinary Medicine**

2407 River Drive, Knoxville, TN 37996 (865) 974-VETS  
<https://vetmed.tennessee.edu/admissions/Pages/admissions-process.aspx>

*Seats: Total:84, Resident: 60, Contract:0, Non-Resident:25*

#### **Courses - Semester Hours Total semester credit hours 66**

**General Biology/Zoology** with lab (8)

**Biochemistry** exclusive of laboratory (4) This should be a complete upper-division course in general cellular and comparative biochemistry. Half of a two-semester sequence will not satisfy this requirement.

**General Inorganic Chemistry** with lab (8)

**Organic Chemistry** with lab (8)

**Cellular Biology** (3)

**Physics** with lab (8)

**Genetics** (3)

**English** (6) Composition

**Social Sciences/Humanities** (18)

**Science Electives** - Applicants are strongly encouraged to take additional biological and physical science courses especially comparative anatomy, mammalian physiology, microbiology with laboratory.

### **Texas A & M - College of Veterinary Medicine at Texas A&M University**

422 Raymond Stotzer Pkwy, College Station, Texas 77845 (979) 862-2489  
send applications to: 702 Colorado, Suite 6.400, Austin, TX 78701

<http://vetmed.tamu.edu/dvm/future/prerequisites>

*Seats: Total:132, Resident: 122, Contract:0, Non-Resident:10*

#### **Courses - Semester Hours**

**General Biology** with lab (4)

**Biochemistry** (3) (must be lecture hours only)

**Inorganic Chemistry I & II** with lab (8)

**Organic Chemistry I & II** with lab (8)

**General Microbiology** with lab (4)

**Physics** (8)

**Genetics** (3)

**Animal Nutrition** (3)

**Statistics** (3) must be Junior/Senior level course

**English** (6) Composition and Rhetoric (3) and Technical Writing (3)

**Speech Communication** (3)

**Introduction to Psychology** (3)



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## Veterinary College Prerequisite Courses - United States Universities

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### TUF – Tufts University - Cummings School of Veterinary Medicine at Tufts University

200 Westboro Road, North Grafton, MA 01536 (508) 839-7920

[vetadmissions@tufts.edu](mailto:vetadmissions@tufts.edu)

[http://www.tufts.edu/vet/dvm/prerequisite\\_courses.html](http://www.tufts.edu/vet/dvm/prerequisite_courses.html)

*Seats: Total:98 , Resident: 30, Contract:0, Non-Resident:68*

#### Courses - Semester Hours

**General Biology I & II** (8) with lab

**Biochemistry** (3)

**General Inorganic Chemistry I & II** (8) with lab

**Organic Chemistry I & II** (8) with lab

**Physics I & II** (6)

**Genetics** (3) (unless included in biology)

**Science Electives-** cell biology, microbiology, physiology, comparative or developmental anatomy are recommended

**Math/Statistics** (6)

**English** (6) May include composition, reading, and or speech communication.

**Social and Behavioral Sciences** (6) May include: psychology, sociology, cultural anthropology, political science, and or economics.

**Humanities and Fine Arts** (6) May include: literature, music, art, history, philosophy, religion, and/or foreign language.

### Tuskegee University - College of Veterinary Medicine, Nursing & Allied Health

Tuskegee, AL 36088 334-727-8174 [cvmnah@tuskegee.edu](mailto:cvmnah@tuskegee.edu) 334-727-8460 [ahuang@mytu.tuskegee.edu](mailto:ahuang@mytu.tuskegee.edu)

[http://www.onemedicine.tuskegee.edu/SVM\\_TU/course\\_requirements.htm](http://www.onemedicine.tuskegee.edu/SVM_TU/course_requirements.htm)

*Seats: Total: 65-70*

#### Courses - Semester Hours

**Biology** with lab (4)

**Biochemistry** with lab (4)

**Chemistry** with lab (4)

**Organic Chemistry** with lab (4)

**Microbiology** with lab (4)

**Advanced Biology** (9) (300 Level or Above) Genetics, Ecology, Biology, Zoology, Physiology, Microbiology, Anatomy, Immunology, Histology, and others.

**Physics** with lab (8)

**Introduction to Animal Science** (3)

**Animal Nutrition** (3)

**Math** (6) Algebra, Trigonometry, Statistics, Calculus, and others.

**English** (6) Composition and Communication

**Social Sciences and Humanities** (6) Sociology, Psychology, History, Economics, and others.

**Liberal Arts** (6) Any Language, Arts, Music, and others.

**Electives** (8)

### VMR – Virginia-Maryland Regional College of Veterinary Medicine

Virginia Tech, Duck Pond Drive (0442), Blacksburg, Virginia 24061

540-231-7666

<http://www.vetmed.vt.edu/acad/dvm/req.asp#course>

*Seats: Total:120, Resident: 80, Contract:6, Non-Resident:34*

#### Courses - Semester Hours

**General Biology I & II** with lab.s (8)

**Biochemistry** laboratory not required (3) Topics should include: metabolism and chemistry of carbohydrates, proteins, lipids and nucleic acids.

**General Chemistry**

**Organic Chemistry** with lab.s (6) two semester sequence

**Physics** with lab.s (8)

**Science Electives** – cell biology, comparative anatomy, genetics, microbiology, nutrition and physiology recommended

**Math** (6) can be met by courses in Algebra, Geometry, Trigonometry, Calculus or Statistics. Computer science courses are not acceptable.

**English** (6) Three credit hours of the English requirement must be specifically English composition or technical writing-no AP credit will be accepted for this prerequisite. Advanced placement credit for one semester/quarter of English will be accepted if the additional required hours are composition or technical writing courses and are taken at a college or university. Public speaking or communication courses do not satisfy the English requirement.

**Humanities/Social Sciences** (6) may include, but are not restricted to: art, philosophy, history, economics, psychology or sociology.

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## Veterinary College Prerequisite Courses - United States Universities

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### WSU – Washington State University – College of Veterinarian Medicine

Veterinary Admissions, PO Box 647012, Washington State University, Pullman WA 99164-7012 509-335-5107  
<http://healthprofessions.wsu.edu/preparation-tracks/pre-veterinary/professional-school-requirements-pre-veterinary/>

*Seats: Total: Pullman 91 Logan 31, Bozeman 11, Resident/Contract:117, Non-Resident:16. The Washington-Idaho-Montana-Utah (WIMU) Regional Program in veterinary medicine is a partnership between the Washington State University College of Veterinary Medicine, University of Idaho Department of Animal and Veterinary Science, Montana State University, and Utah State University of Veterinary Medicine. The program accepts students from all of the contract states and seats are available for non-residents on the Pullman and Logan campuses. The WSU College of Veterinary Medicine is also a partner with the Western Interstate Commission of Higher Education (WICHE) program and welcomes WICHE sponsored students from Arizona, Hawaii, Montana, Nevada, New Mexico, North Dakota, and Wyoming.*

#### Courses - Semester hours Total semester credit hours 64

**Biology I & II** with lab (8)  
**Biochemistry** (3)  
**Inorganic Chemistry I & II** with lab (8)  
**Organic Chemistry** with lab (4)  
**Physics** with lab (4)  
**Genetics** (4)  
**Math** (3) College Algebra and Trigonometry or higher or Calculus  
**Statistics** (3) methods  
**English** (6) Composition/Communication  
**Arts & Humanities/Social Science/History** (21)

### WES – Western University of Health Sciences

309 East Second Street, Pomona, California 91766 (909) 623-6116  
<http://prospective.westernu.edu/veterinary/requirements>

*Seats: Total:100, Resident: 47, Contract:0, Non-Resident:53*

#### Courses - Semester Units

**Upper-division Biological & Life Sciences** (9) Must be three upper division courses, one of which must include a lab or have a separate lab associated with the lecture course. May not be an introductory survey or fundamental course. Examples include: zoology, endocrinology, cell biology, molecular biology, reproduction, parasitology, histology, toxicology, nutrition and pharmacology.

**Biochemistry** lab recommended (3)

**Organic Chemistry** with lab (3).

**Microbiology** (3)

**Physics** with lab.s (6)

**Genetics or Molecular Biology** (3)

**Physiology** (3) must be upper-division course in animal, human or comparative physiology; will not accept courses in cellular, neurology, pathology or reproductive physiology.

**Statistics** (3) Must be a course designed or specified for science majors.

**English** (6) Composition

**Humanities/Social Sciences** (9) This may include art, ethnic studies, foreign language, history, humanities, liberal studies, music, philosophy, political science, religious studies, social sciences, theater and behavior

### WIS – University of Wisconsin - School of Veterinary Medicine

2015 Linden Dr., Madison, WI 53706 (608) 263-2525  
<http://www.vetmed.wisc.edu/dvm-students/prospective-students/required-coursework/>

*Seats: Total: 88, Resident:60 or more , Contract:0, Non-Resident: 28 or less*

#### Courses - Semester Hours

**Biology or Zoology** with lab (4-5) animal biology course and a lab. General biological principles; cell structure and organization, genetics, development and evolution, and structure and function of physiological systems.

**Biochemistry** (3) must have organic chemistry as a prerequisite. A study of the principles governing biologically active molecules applicable to molecular biology and modern medicine.

**General and Qualitative Chemistry**, two-semester lecture series with lab (8)

**Organic Chemistry**, one-semester lecture satisfying biochemistry prerequisite (3)

**Physics I & II** (6) Principles of mechanics, heat and sound, electricity and magnetism, light, atomic and nuclear physics

**Genetics** (3) Principles and application of inheritance including concepts of Mendelian, population, and molecular genetics.  
**Statistics** (3) A foundational study in probability and distributions, sampling inference, hypothesis testing, linear regression, and analysis of variance.

**English** (6) Composition or Journalism

**Social Sciences or Humanities** (6)

**Science electives** - upper-level science courses such as anatomy, physiology, microbiology, or cell/molecular biology are recommended.