Veterinary College Prerequisite Courses - United States Universities

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 (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
http://www.vetmed.ucdavis.edu/students/admissions/required_prevet_courses.cfm

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-cvmbs.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.

7-7-2015 LW
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)
UIL – **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](http://vetmed.illinois.edu/asa/brochure/02.html)  
**Seats:** Total: 130, Resident:70, Contract:0, Non-Resident:60

<table>
<thead>
<tr>
<th>Courses - Semester Hours</th>
<th>Total semester credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Sciences with lab.s (8)</td>
<td></td>
</tr>
<tr>
<td>Biochemistry (3)</td>
<td>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.</td>
</tr>
<tr>
<td>Inorganic Chemistry with lab (8)</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry with lab (8)</td>
<td></td>
</tr>
<tr>
<td>Physics with lab.s (8)</td>
<td>should include the topics of mechanics, heat, sound, light, electricity, and magnetism</td>
</tr>
<tr>
<td>English (6)</td>
<td>Composition three hours of speech/communication can replace three hours of English composition.</td>
</tr>
</tbody>
</table>

| 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  
[http://vetmed.iastate.edu/academics/prospective-students/admissions/academic-requirements](http://vetmed.iastate.edu/academics/prospective-students/admissions/academic-requirements)  
**Seats:** Total: 149, Resident:60, Contract: 41, Non-Resident: 48

<table>
<thead>
<tr>
<th>Courses - Semester Hours</th>
<th>Total semester credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Biology – (8)</td>
<td>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</td>
</tr>
<tr>
<td>Biochemistry (3)</td>
<td></td>
</tr>
<tr>
<td>General Chemistry – (7)</td>
<td>1 year series and one semester lab</td>
</tr>
<tr>
<td>Organic Chemistry – (7)</td>
<td>1 year series and one semester lab</td>
</tr>
<tr>
<td>General Physics – (4)</td>
<td>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.</td>
</tr>
<tr>
<td>Mammalian Anatomy or Physiology (3)</td>
<td>Human anatomy and physiology will fulfill this requirement.</td>
</tr>
<tr>
<td>Genetics (3)</td>
<td>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.</td>
</tr>
<tr>
<td>English (6)</td>
<td>Composition one year of composition or writing emphasis courses, may include business or technical writing.</td>
</tr>
<tr>
<td>Oral Communication (3)</td>
<td>May include public speaking, interpersonal communication, group or organizational communication or speaking emphasis courses. A Bachelor’s degree fulfills this requirement.</td>
</tr>
<tr>
<td>Arts, Humanities and/or Social Sciences (8)</td>
<td></td>
</tr>
<tr>
<td>Electives (8)</td>
<td></td>
</tr>
</tbody>
</table>

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

Manhattan, KS  66506  
785-532-5660  
[http://www.vet.k-state.edu/admit/requirements.htm](http://www.vet.k-state.edu/admit/requirements.htm)  
**Seats:** Total: 110, Resident: 45, Contract: 5, Non-Resident: 60

<table>
<thead>
<tr>
<th>Courses - Semester Hours</th>
<th>Total semester credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Biology or Zoology (4)</td>
<td></td>
</tr>
<tr>
<td>Biochemistry (3)</td>
<td></td>
</tr>
<tr>
<td>Chemistry I &amp; II (8)</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry with lab (5)</td>
<td></td>
</tr>
<tr>
<td>Microbiology with lab (4)</td>
<td></td>
</tr>
<tr>
<td>Physics I &amp; II (8)</td>
<td></td>
</tr>
<tr>
<td>Genetics (3)</td>
<td></td>
</tr>
<tr>
<td>English (6)</td>
<td>Expository Writing I &amp; II</td>
</tr>
<tr>
<td>Public Speaking (2)</td>
<td></td>
</tr>
<tr>
<td>Humanities and/or Social Sciences (12)</td>
<td></td>
</tr>
<tr>
<td>Electives (9)</td>
<td></td>
</tr>
</tbody>
</table>
**LMU – Lincoln Memorial University** College of Veterinary Medicine  
6965 Cumberland Gap Parkway, Harrogate, TN 37752  
(800) 869-9000, ext. 6676 Email: 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**  
<table>
<thead>
<tr>
<th>Subject</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biology with lab</strong> (8)</td>
<td></td>
</tr>
<tr>
<td>Biochemistry (3)</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry with lab (6)</td>
<td></td>
</tr>
<tr>
<td>General Chemistry with lab (8)</td>
<td></td>
</tr>
<tr>
<td>Physics (3)</td>
<td></td>
</tr>
<tr>
<td>Genetics (3)</td>
<td></td>
</tr>
<tr>
<td>English (6)</td>
<td></td>
</tr>
<tr>
<td>Probability and Statistics (3)</td>
<td></td>
</tr>
<tr>
<td>Advanced Science Electives (8) Upper division courses (300 level or higher) including Anatomy, Animal Science, Cell Biology, Immunology, Microbiology, Molecular Biology, Physiology, Virology</td>
<td></td>
</tr>
<tr>
<td>Humanities &amp; 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.</td>
<td></td>
</tr>
</tbody>
</table>

**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  
http://www1.vetmed.lsu.edu/Admissions/DVMAdmissionsInfo/Course%20Prerequisites/item26645.html  
**Seats:** Total: 89, Resident: 60, Contract: 9, Non-Resident: 20

**Courses - Semester Hours**  
<table>
<thead>
<tr>
<th>Subject</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Biology/Zoology (8) two-semester course sequence with laboratory in general biology or introductory zoology</td>
<td></td>
</tr>
<tr>
<td>Biochemistry (3)</td>
<td></td>
</tr>
<tr>
<td>Chemistry I with lab (3)</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry I &amp; II with labs (8)</td>
<td></td>
</tr>
<tr>
<td>Microbiology with lab (4)</td>
<td></td>
</tr>
<tr>
<td>Physics I &amp; II with lab (8)</td>
<td></td>
</tr>
<tr>
<td>Genetics (3)</td>
<td></td>
</tr>
<tr>
<td>English (6) Composition I &amp; II</td>
<td></td>
</tr>
<tr>
<td>Speech Communication (3) Public speaking or interpersonal communication.</td>
<td></td>
</tr>
</tbody>
</table>

**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  
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**  
<table>
<thead>
<tr>
<th>Subject</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology I &amp; II with lab.s (6)</td>
<td></td>
</tr>
<tr>
<td>Biochemistry (3) This should be a complete upper-division course in general biochemistry; half of a two-semester sequence will not meet this requirement.</td>
<td></td>
</tr>
<tr>
<td>Chemistry I with lab (3)</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry I &amp; II with lab (6)</td>
<td></td>
</tr>
<tr>
<td>Microbiology with lab (4)</td>
<td></td>
</tr>
<tr>
<td>Physics I &amp; II with lab (8)</td>
<td></td>
</tr>
<tr>
<td>Genetics (3)</td>
<td></td>
</tr>
<tr>
<td>Cell Biology (3)eukaryotic</td>
<td></td>
</tr>
<tr>
<td>Nutrition (3)</td>
<td></td>
</tr>
<tr>
<td>Upper Level Biology: Cell Biology, Physiology, Neurobiology, Immunology or Histology</td>
<td></td>
</tr>
<tr>
<td>Math (3) College level algebra &amp; trigonometry or pre-calculus or calculus</td>
<td></td>
</tr>
<tr>
<td>English (3) Composition</td>
<td></td>
</tr>
<tr>
<td>Humanities (6) two courses that must include two of the following subject areas: history, literature, art/music/theater, history or appreciation, philosophy, and religion.</td>
<td></td>
</tr>
<tr>
<td>Social and Behavioral Sciences (6) two courses that must include two of the following subject areas: cultural</td>
<td></td>
</tr>
</tbody>
</table>

7-7-2015 LW
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: admisaz@midwestern.edu  
http://www.midwestern.edu/programs-and-admission/az-veterinary-medicine.html  
Seats: Total: 100

<table>
<thead>
<tr>
<th>Courses - Semester Hours</th>
<th>Total semester hour credits - Minimum of 64 total semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology (8)</td>
<td></td>
</tr>
<tr>
<td>General Chemistry with lab (8)</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry with lab (8)</td>
<td></td>
</tr>
<tr>
<td>Math - (6) College Algebra or higher</td>
<td></td>
</tr>
<tr>
<td>Physics with lab (4)</td>
<td></td>
</tr>
<tr>
<td>English (6) Composition</td>
<td></td>
</tr>
<tr>
<td>Science Electives (8) include: biochemistry, cell biology,</td>
<td></td>
</tr>
<tr>
<td>physiology, microbiology, genetics, animal nutrition</td>
<td></td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Courses - Semester Hours</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>General Biology with lab (6-10)</td>
<td></td>
</tr>
<tr>
<td>Animal Biology or Zoology with lab (3-5) or the 2nd semester</td>
<td></td>
</tr>
<tr>
<td>of a two-term biology sequence</td>
<td></td>
</tr>
<tr>
<td>Biochemistry no lab required (3-5) emphasizing metabolic</td>
<td></td>
</tr>
<tr>
<td>pathways and regulatory mechanisms.</td>
<td></td>
</tr>
<tr>
<td>General Chemistry with lab.s (6-10)</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry with lab (3-5)</td>
<td></td>
</tr>
<tr>
<td>Microbiology with lab (3-5) must include taxonomy,</td>
<td></td>
</tr>
<tr>
<td>morphology, physiology, and ecology of microorganisms</td>
<td></td>
</tr>
<tr>
<td>Physics with labs (6-10)</td>
<td></td>
</tr>
<tr>
<td>Genetics (3-5)</td>
<td></td>
</tr>
<tr>
<td>Math (3-5) College Algebra, Pre-calculus or Calculus</td>
<td></td>
</tr>
<tr>
<td>English (6-10) Composition One writing course and one</td>
<td></td>
</tr>
<tr>
<td>additional English course, such as Speech, Literature,</td>
<td></td>
</tr>
<tr>
<td>Advanced Writing, Technical Writing, etc.</td>
<td></td>
</tr>
<tr>
<td>Arts and Humanities (6-10) Arts and Humanities include</td>
<td></td>
</tr>
<tr>
<td>courses from art, literature, music, philosophy,</td>
<td></td>
</tr>
<tr>
<td>humanities, theater, religion, and foreign literature.</td>
<td></td>
</tr>
<tr>
<td>Please note that spoken language courses and musical</td>
<td></td>
</tr>
<tr>
<td>performance courses are not considered arts and humanities</td>
<td></td>
</tr>
<tr>
<td>courses.</td>
<td></td>
</tr>
<tr>
<td>Social Sciences and History (6-8) includes courses from</td>
<td></td>
</tr>
<tr>
<td>Anthropology, Economics, Geography, History, Political</td>
<td></td>
</tr>
<tr>
<td>Science, Psychology, Social Science, and Sociology.</td>
<td></td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Courses - Semester Hours</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>General Biology with lab (8)</td>
<td></td>
</tr>
<tr>
<td>Biochemistry (3)</td>
<td></td>
</tr>
<tr>
<td>General Chemistry with lab (8)</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry with lab (8)</td>
<td></td>
</tr>
<tr>
<td>Microbiology with lab (4)</td>
<td></td>
</tr>
<tr>
<td>Physics (can be Trig-based) (6)</td>
<td></td>
</tr>
<tr>
<td>Math (6) college algebra or higher</td>
<td></td>
</tr>
<tr>
<td>English (9) Composition (6) and Speech or technical writing</td>
<td>A fundamentals of public speaking course OR a Jr/Sr level</td>
</tr>
<tr>
<td>(3) A fundamentals of public speaking course OR a Jr/Sr</td>
<td>technical writing course</td>
</tr>
<tr>
<td>level technical writing course</td>
<td></td>
</tr>
<tr>
<td>Humanities/ fine arts/social and behavioral sciences (15)</td>
<td></td>
</tr>
<tr>
<td>Advanced/ upper-level science electives (12)</td>
<td>Biochemistry, Nutrition, Comparative Zoology, Cellular Biology,</td>
</tr>
<tr>
<td>Embryology, Histology, Quantitative Analysis, Calculus,</td>
<td>Immunology, Zoology, Comparative Anatomy, Animal Physiology,</td>
</tr>
<tr>
<td>Statistics, Immunology, Zoology, Comparative Anatomy,</td>
<td>Genetics, Parasitology, Molecular Biology, Physical Chemistry,</td>
</tr>
<tr>
<td>Animal Physiology, Genetics, Parasitology, Molecular</td>
<td>Differential Equations</td>
</tr>
<tr>
<td>Biology, Physical Chemistry, Differential Equations</td>
<td></td>
</tr>
</tbody>
</table>
**UMO – University of Missouri – Columbia**  
College of Veterinary Medicine  
W203 Vet Med Building  
Columbia, MO 65211  
573- 884-3341  
E-mail: 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/studentservices/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  
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 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.
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
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 (6)

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
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.
PUR – Purdue University Purdue Veterinary Medicine
Student Services Center, 625 Harrison Street, West Lafayette, IN 47907
(765) 494-7893 vetadmissions@purdue.edu
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 a 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)
TUF – Tufts University - Cummings School of Veterinary Medicine at Tufts University
200 Westboro Road, North Grafton, MA 01536    (508) 839-7920    vetadmissions@tufts.edu
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   334-727-8460  ahuang@mytu.tuskegee.edu
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.
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.