The Summary of Course Prerequisites is designed to supplement admission information provided by each institution. The colleges to which you apply may have additional requirements not summarized in this table. Contact each institution to which you wish to apply for additional information. This table is for use in 2023 for 2024 matriculation only and is subject to change. Please direct all questions regarding course prerequisites directly to the institution.

American Association of Veterinary Medical Colleges
655 K Street NW, Suite 725
Washington, DC 20001

(Please check apply https://applytovetschool.org/ for updates)
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- **Required Courses**
- ☐ = Recommended Courses
- **No Data Available**

Course prerequisites are subject to change and programs may have additional requirements, preferences, or policies that are not reflected in this summary or on the Veterinary Medical School Admission Requirements website (https://applytovetschool.org/). Programs may also allow applicants to substitute courses. Applicants should review school entries on https://applytovetschool.org/ for program-specific details and contact programs directly to determine whether a particular course will fulfill a prerequisite.
## Summary of Course Prerequisites

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Summary of Course Prerequisites:

Atlantic Veterinary College of Prince Edward Island

Courses
Animal Biology 1
Animal Biology 2
Animal Biology 3
Genetics
Mathematics 1
Mathematics 2 (Statistics)
Chemistry 1
Chemistry 2
Chemistry 3 (Organic Chemistry)
English (Composition)
10 Electives

The following prescribed Science courses must have a laboratory component in order to be accepted: Animal Biology 1, Animal Biology 2, Animal Biology 3, Chemistry 1, Chemistry 2, Chemistry 3 (Organic Chemistry).

Auburn University

Courses (Semester hours)
Biological and Physical Science Course Requirements
Principles of Biology (Organismal) I with lab (4)
Principles of Biology (Zoology) II with lab (4)
Fundamentals of Chemistry I with lab (4)
Fundamentals of Chemistry II with lab (4)
Organic Chemistry 1 with lab (4)
Organic Chemistry II with lab (4)
Physics I with lab (4)
Biochemistry (3)
Science Electives* (6)

If you will have a 4-year degree by June 15th, the Auburn University Core Requirements will be considered complete with your bachelor’s degree.

If you will not have a 4-year degree by June 15th, you will need to take the additional required courses: [Cont. on next column]→

Written Composition # (6)
**Literature # (3)
Fine Arts # (3)
Humanities/Fine Arts Electives # (6)
**History* # (3)
Social/Behavioral Science Electives # (9)
Mathematics – pre-calculus with trigonometry # (3)

*Science electives must be two of the following: anatomy & physiology, animal nutrition, cellular biology, genetics, microbiology, physics II, comparative anatomy, histology, reproductive physiology, mammalian or animal physiology, parasitology, embryology, or immunology.

** Students must complete a 6-semester-hr sequence either in literature or history.

# Requirements with “#” behind them will be waived if the applicant has a bachelor’s degree. If the applicant has graduated with a 4-year bachelor’s degree OR if the applicant will graduate with a 4-year bachelor’s degree by June 15th preceding the August matriculation, the requirements with a single “#” will be waived. Only individuals who seek admission to the program without a 4-year degree will be required to show proof of having fulfilled the courses with the “#”.

City University of Hong Kong

No prerequisite courses submitted.

https://www.cityu.edu.hk/jcc/education/undergraduate-programmes/bachelor-veterinary-medicine/admission

Colorado State University

Courses (Semester Hours)
Biochemistry (that requires organic chemistry) (3)
Cell Biology (3)
Genetics (3)
Physics with lab (4)
Statistics (3)
Systems Physiology (3)
Laboratory associated with a biology course (1)
Laboratory associated with a chemistry course (1)
English Composition (or completion of 4-year degree) (3)
Social Sciences and Humanities (12)
Electives (15)
Additional biomedical science courses, Upper Division (9)
Cornell University

Courses (Semester/Quarter Hours)
- English Composition / Writing-Intensive Courses (full year) (6/9)
- Biology or Zoology (full year with lab) (6/9)
- Physics (full year with lab) (6/9)
- Inorganic (or general) Chemistry (full year with lab) (6/9)
- Organic Chemistry (one semester) (3/4.5)
- Biochemistry (half year required; full year preferred) (4/6)
- Advanced Life Sciences Course (3/4.5); list of courses to choose from on Cornell Vet Admissions website

Non-prerequisite elective credits needed (26 semester/39 quarter credits); minimum of 60 semester credits required to enter DVM program. Note: Required Laboratories listed above (full year of biology, chemistry and physics with labs) should be taken on campus.

Iowa State University

Courses (Semester Hours)
- General Chemistry (7) – I and II with lab
- Organic Chemistry (4)- Organic Chem I & lab – first semester of a 2-semester series. (One semester survey courses will not fulfill the requirement.)
- Biochemistry (3)
- General Biology (8) – I and II with labs or a single biology with lab and a single organismal biology with lab
- Genetics or Animal Breeding (Upper Level) (3)
- Mammalian Anatomy and/or Physiology (3) - It must be an overview of all organ systems. If you take one semester of a two-semester series such as A&P I, you must take the second semester, A&P II, to fulfill the requirement even though it is more credits than required.
- Physics (4) (Physics 1 and lab– first semester of a 2-semester series with mechanics)
- English Composition (6)
- Oral Communication (interpersonal, group or public speaking) (3)
- Social Sciences/Humanities (6)
- Electives (8)

Please see ISU-CVM website for details on each course.

Kansas State University

Courses (Semester Hours)
- Writing I and II (6)
- Public Speaking / Communication (2)
- Chemistry I and II (8)
- Organic Chemistry (lab required) (5)
- Biochemistry (3)
- Physics I and II (8)
- Biology or Zoology (4)
- Microbiology with lab required (4)
- Genetics (3)
- Social Sciences and/or Humanities (12)
- Electives (9)

Lincoln Memorial University

Course Requirements (Semester/Quarter Hours)
- General Biology (lab required) (8/12)
- Genetics* (3/4)
- Biochemistry (3/4)
- Anatomy and/or Physiology (3/4)
- Advanced Science Electives (300 level or higher)** (8/12)
- Organic Chemistry (lab required) (6/9)
- General Chemistry (lab required) (6/12)
- Physics (3/4)
- English (3/4)
- Social and Behavioral Sciences (3/4)

*Animal breeding/reproduction courses must be approved by LMU-CVM
**Upper Division coursework (300 level or higher) include but are not limited to Anatomy, Cell Biology, Immunology, Microbiology, Molecular Biology, Physiology, and Virology. Questions pertaining to the acceptability of Advanced Science coursework can be directed to the LMU-CVM Office of Admissions via veterinaryadmissions@LMUnet.edu.
Long Island University

Courses (Semester Hours)
Biology or Zoology (entry level [I]) (3)
Biology or Zoology (upper level [II]) (3)
General [Inorganic] Chemistry with Laboratory (4)
Organic Chemistry with Laboratory (4)
Biochemistry (3)
Genetics (3)
Math [Calculus/Statistics] (3)
English Composition (3)
Pre-requisite courses must be taken within the previous 6 years; exceptions may be granted to active members of other (certified) health professions.

Louisiana State University

Courses (Semester Hours)
General Biology (lab required) (8)
Microbiology (lab required) (4)
Physics (6)
General Chemistry (lab required) (8)
Organic Chemistry (3)
Biochemistry (3)
English Composition (6)
Mathematics (5)
Electives (23)

Massey University

123104 Chemistry for Biological Systems (essentially organic chemistry)
* First year general chemistry series with lab plus
* One semester of organic chemistry with lab (one semester survey courses will not fulfil this requirement)
124103 Biophysical Principles
* One semester of first year physics
162101 Cell Biology
* First year general biology series with labs plus
* Cellular/Molecular Biology or Microbiology or Genetics with labs
199103 Animals and the Environment
* First year general biology series with labs plus
* Animal Physiology/Anatomy/Behaviour, or Animal Science

Michigan State University

Courses (Semester Hours)
Science Prerequisite Requirements
Math (3)
General Chemistry I (3) Lab (1)
Biology I (3) Biology Lab (1)
Biology II (3) [continued on next column]→
Physics I (3) Lab (1)
Physics II (3) Lab (1)
Organic Chemistry I (3) Lab (1)
Organic Chemistry II (3)
Biochemistry (3)
Upper-level Physiology (3) (pending final university approval in January)
Upper-Level Biology (3) typically 300 or 400 level courses in one of the following subjects: Cell Biology, Neurobiology, Immunology, Genetics, Microbiology, or Histology
(If science course includes lecture and lab it fulfills both requirements)
General Education Requirements *
Arts and Humanities (2 courses): min. 6 credits
Social Sciences (2 courses): min. 6 credits
English Composition (1 course): min. 3 credits
*If a bachelor's degree will be earned by July 1 of matriculation year, all general education requirements are considered fulfilled and individual courses will not be reviewed.
All general education coursework must be completed with a minimum of 2.0 (individually) by July 1st preceding matriculation.
AP credit can be used to fulfill general education requirements.

Midwestern University

Courses (Semester Hours)
Biology (8)
Biochemistry (3)
General Chemistry (8)
Organic Chemistry (lab required) (8)
Mathematics (6)
Physics with lab (4)
English Composition (6)
Science Electives (8)
*A minimum of 64 total semester hours/96 quarter hours required.
Mississippi State University

Courses (Semester Hours)
English Composition (3)
Oral Communications (Speech or Intro to Communications (3)
Mathematics (college algebra or higher) (6)
Biology I and Biology II with labs (8)
Microbiology (lab required) (4)
Chemistry I and Chemistry II with labs (8)
Organic Chemistry I and Organic Chemistry II with labs (8)
*Biochemistry (3)
Physics I and Physics II (6)
Upper-level Science/Math Electives (12)*
Humanities/Fine Arts/Social Sciences/Behavioral Science Electives (15)
*Upper-level science/math electives are junior level or higher courses typically numbered 300/3000 and higher
**Number of hours listed is in semester hours. Students on the quarter system are required to complete a 3-course sequence in biology, chemistry, and organic chemistry.

In light of many colleges and universities offering alternative grading options for the spring 2020 term as a result of the COVID-19 pandemic, the Admissions Office at Mississippi State University’s College of Veterinary Medicine will accept all satisfactory and passing grades for prerequisite classes taken only during the spring 2020 term. Following our normal protocol, any student making an unsatisfactory grade in a prerequisite class must successfully complete a retake of the class (with a grade of C- or higher, passing, or satisfactory) prior to submitting their application through VMCAS.
The above information is subject to change. Please visit our website for the most updated information.

Murdoch University

There are no pre-requisites to enter into the first year of the integrated BSc/DVM degree. Completing acceptable equivalent units to our first year, including chemistry, statistics and data analysis, introductory animal anatomy and physiology, cell and molecular biology and vertebrate structure and function, and livestock science may allow accelerated progression into the second year of the integrated degree, after successful completion of mandatory farm animal handling practicals and examination and a farm safety course.

National Autonomous University of Mexico (UNAM) College of Veterinary Medicine
Students are considered for admission after finishing high school with a GPA of 7 or more (on a 0 to 10 scale). To be considered for admission, the students should have studied the secondary school and the high school at institutions with programs that are at least 75 % equivalent to those of UNAM’s own high school system, as evaluated by a revalidation committee. Otherwise, before being considered for admission, a prospective student must pass examinations related to the courses lacking during his/her secondary and high school studies. As a reference, a prospective student is expected to have taken the following courses during years 7th to 12th:

Area Mathematics: Number of years: 6 | Total Hours: 900 | Themes: Algebra, probability, statistics, trigonometry, geometry, differential, and integral calculus
Area Biology: Number of years: 5 | Total Hours: 420-510 (including lab work in all courses) | Themes: General biology, zoology, ecology, cell biology, human anatomy, human physiology, nutrition and metabolism, evolution, health education
Area Chemistry: Number of years: 4 | Total Hours: 300-360 (including lab work in all courses) | Themes: General chemistry, inorganic chemistry, organic chemistry, radiation chemistry, biochemistry
Area Physics: Number of years: 4 | Total Hours: 300-360 (including lab work in all courses) | Themes: General physics, thermodynamics, mechanics, electromagnetism, optics, acoustics, hydraulics

North Carolina State University

Courses (Semester Hours)
Animal Nutrition (3)
Biochemistry (3)
Biology with Lab (4)
Chemistry, General with Lab (8)
Chemistry, Organic with Lab (8)
Composition, Writing, Public Speaking or Communications (6)
Genetics (4)
Humanities/Social Sciences (6)
Microbiology with Lab (4)
Physics with Lab (8)
Statistics (3)
*This is based on semester hours. If you take courses on the quarter system, you will need to convert the quarter hours to semester hours using the formula (# quarter hours / 1.5 = semester hours).
The Ohio State University

**Courses (Semester Hours – may vary*)**

*Biochemistry (4) If taught as a 2-part sequence, both parts are required. Lab is not required.

*Microbiology (lab required) (4)

**Physiology (5) All systems must be covered. It can be Human or Animal Public Speaking (communication) (3) Basics of public speaking & critical thinking. This should be a public speaking course.

Science Electives (35) Includes, but not limited to: biology, chemistry, anatomy, immunology, cell biology, molecular genetics, animal science, ecology, environmental science, or other science.

Humanities/Social Science Electives (16) Includes, but not limited to: History, economics, anthropology, psychology, art, music, literature, languages, writing, and ethics.

* = Capstone Courses

**Physiology course work must be a comprehensive, intermediate systems physiology series. Required systems include musculoskeletal, neurology, urinary/renal, endocrine, reproductive, digestive, cardiovascular, and respiratory.

Science electives can include courses that are prerequisites for the capstone courses (e.g., biology, general and organic chemistry, etc.).

The number of hours provided is a guideline. In assessing course content for equivalency, actual hours may vary for your institution. In some cases a multiple course series may be needed to fulfill prerequisite coursework. If you are unsure of whether or not a course will be accepted to fulfill a prerequisite, please contact us at dvmprospective@osu.edu.

Capstone courses – Biochemistry, Microbiology, Physiology, and Communication – must be completed with (1) a grade of C or better in each course, (2) a 3.0 (B) average among the courses, and (3) no more than one C between any of the four courses.

*If any of the capstone courses are taken as a multiple-part series, this rule will apply to each part as an individual course.

There may be additional courses that your school requires as prerequisites to the above courses. These additional courses can be used toward the elective requirements.

ADVANCED PLACEMENT: To receive credit for AP courses, they must be listed on official transcripts from a college or university you have attended.

Oklahoma State University

**Courses (Semester Hours)**

Animal Nutrition (3)
Biochemistry (3)
Biology or Biology 1 (4)
Animal Biology/Zoology or Biology 2 (4)
English, Speech or Composition (9)
Genetics (3)
Humanities/Social Sciences (6)
General Chemistry 1 & 2 (8)
Statistics (3)
Microbiology must include lab (4)
Organic Chemistry (5-hour survey accepted) (8)
Physics I & II (8)

For a complete list including OSU specific courses, visit the Required Pre Veterinary Courses page.

Oregon State University

**Courses (Semesters/Quarters)**

Introductory Biology (2/3)
Advanced Biology (lab required) (1/2)
Physics (2/2)
General Chemistry (labs required) (2/3)
Organic Chemistry (1/2)
Biochemistry (1/2)
Genetics (1/1)
Math (One calculus course or College Algebra & Trigonometry courses)
Statistics (1/1)
Physiology (human or animal) (1/1)
*English (1/1)
*Humanities or Social Sciences (2/3)
*Public Speaking (1/1)

*Please note that the General Education Requirements (English, Humanities, & Public Speaking) will be considered met if the applicant has earned a bachelor’s degree prior to beginning the DVM program.
Purdue University

Courses (Semesters)
- General (Inorganic) Chemistry with Lab I (1)
- General (Inorganic) Chemistry with Lab II (1)
- Organic Chemistry with Lab I (1)
- Organic Chemistry with Lab II (1)
- Biochemistry (upper level) (1)
- General Biology with Lab I (1)
- General Biology with Lab II (1)
- Genetics (1)
- Microbiology with Lab (1)
- Physics with Lab I (1)
- Physics with Lab II (1)
- Statistics (1)
- Communication (1)
- Humanities (3)

Ross University School of Veterinary Medicine

Courses (Semester Hours)
- English (3)
- Pre-calculus, Calculus, or Statistics (3)
- Biology with lab (8)
- Cell Biology or Genetics, lab recommended (3)
- Organic Chemistry with lab (4)
- Physics with lab (4)
- General Chemistry with lab (4)
- Biochemistry (3)
- Electives* (9)

*One must be either Comparative Anatomy, Medical Terminology, Microbiology, Nutrition, Physiology, Spanish (or other foreign language), Public Speaking, or Introduction to Business.

Royal Veterinary College**

Courses (Semester Hours)
- General Biology (3)
- Mathematics (3)
- Physics (3)
- Anatomy/Physiology (3)

Biochemistry (3)
- Organic Chemistry (3)
- Upper-level (300-400 level) Biology/Biological Science* (9)

* Including but not limited to: Immunology, Anatomy/Physiology, Parasitology, Histology, or advanced Genetics.

Canadian universities: where classes are typically 0.5 credits, these are directly convertible to the equivalent of 3 semester credits as above.

Where your institution works on a quarter-credit system, we work on a conversion of one semester credit being equivalent to 1.5 quarter credits.

**Information Not Updated

Seoul National University

No Prerequisite courses submitted
Website: [https://en.snu.ac.kr/apply/info](https://en.snu.ac.kr/apply/info)

St. George’s University

Courses (Semester/Quarter)
- General Biology or Zoology with lab (8/12)
- General Chemistry with lab (8/12)
- Physics with lab (4/6)
- Organic Chemistry with lab (4/6)
- Genetics (3/5)
- Biochemistry (3/5)
- Math (Calculus, Computer Science, or Statistics) (3/5)
- English (3/5)
- GRE - Not required this cycle

St. Matthews University

Courses (Semester Hours)
- General Biology or Zoology* 1 academic year (6 credit hours)
- General Chemistry* 1 academic year (6 credit hours)
- Organic Chemistry* 1/2 academic year (6 credit hours)
- Biochemistry 1/2 academic year (3 credit hours)
- Language Arts (English)** 1/2 academic year (3 credit hours)
- College Math or Computer Science 1/2 academic year (3 credit hours)

*These courses must include an attached laboratory.
** A student may substitute any course that has a writing component (i.e. a term paper or written project, for the Language Arts requirement.
Texas A&M

Courses (Semester Hours)
General Biology with lab (4)
General Microbiology with lab (4)
Genetics* (3)
Animal Nutrition or Feeds & Feeding (3)
General Chemistry I & II with lab (8)
Organic Chemistry I & II with lab (8)
Biochemistry (lecture hours only) * (3)
Statistics (upper level/Jr. or Sr.)* (3)
Physics I & II with lab (8)
English (6)
Public Speaking (3)
*These courses must be taken at a 4-year university.

Texas Tech

Courses (Semester Hours)
Animal Nutrition Lecture (3)
Biochemistry Lecture (3)
English (3)
General Biology Lecture and Lab (4)
General Microbiology Lecture and Lab (4)
Genetics Lecture (3)
Inorganic Chemistry Lecture and Lab (8)
Introductory Statistics (3)
Organic Chemistry Lecture and Lab (4)
Physics Chemistry Lecture and Lab (4)
Pre-requisites courses must be completed within the last 10 years prior to admissions.

The University of Queensland

Graduate High School Diploma with Advanced Placement (AP) at a minimum grade of 3, including English (AP), Calculus of all levels (AP), i.e., AB, BC etc., Chemistry (AP) PLUS either Physics (AP) or Biology/Biological Sciences (AP)
More information for international applicants from other countries: https://study.uq.edu.au/study-options/programs/bachelor-veterinary-science-honours-2378#entry-requirements


Tufts University

Courses (Semester Hours/credits)
Biology (lab required) (8)
Chemistry (lab required) (8)
Organic Chemistry (lab required) (8)
Biochemistry (3)
Physics (6)
Genetics (unless included in biology) (3)
Mathematics/Statistics (6)
English/Speech (6)
Humanities and Fine Arts (6)
Social and Behavioral Sciences (6)

Tuskegee University

Courses (Semester Hours)
English or Written Composition (6)
Humanities and Social Studies (History, Economics, Psychology And Sociology) (6)
Liberal Arts (Arts, Any Language, Music and Others) (6)
Mathematics (Algebra, Calculus, Statistics, or Trigonometry) (6)
Medical Terminology (1)
Advanced Biology Courses (300 Level & Above) (Anatomy, Biology, Immunology, Microbiology, Physiology, or Zoology) (9)
Biochemistry with Lab (4)
Chemistry with Lab (4)
Organic Chemistry with Lab (4)
Physics I and Physics II with Labs (8)
Science Electives (Genetics, Marine Biology, or Other Advance Biology or Science Classes) (8)
Introduction to Animal Science (3)
Physical Education (If No B.S.) (2)
Total Semester Courses 67

** Advanced biology courses, e.g., anatomy, physiology, ecology,
immunology, zoology, microbiology, genetics, toxicology, and histology. All required science courses (Advance biology, biochemistry, chemistry, physics) must have been completed within six (6) calendar years of the time of admission.

United Arab Emirates University
No perquisite courses submitted (check website)

University College – Dublin

Courses (Semesters)
Physics (1)
Biochemistry (1)
General Biology (1)
General Inorganic Chemistry with lab (1)
Microbiology (1)
Cellular Biology (1)

5-Year Undergraduate Programme MVB: Those candidates with a non-science degree or lacking some prerequisites or sufficient relevant experience will be considered for entry to the 5-year MVB programme.

University of Adelaide
No perquisite courses submitted (Check website)

University of Arizona

Courses (Credit hours)
Biology (6)
Chemistry (6)
Physics or Biophysics (6)
Biochemistry or Organic Chemistry (6)
Algebra/Trigonometry/Calculus/Pre-Calculus/or Statistics (3)
Arts and Humanities (6)
Social Sciences (6)
English Composition (3)

All grades must be a C- or higher. Courses may be repeated to meet the grade requirement. No more than 2 prerequisite courses should be in progress by the fall application deadline. All prerequisites must be completed, and grades posted by your institution, by June 30, 2024.

University of Bristol (4-year program)
Ecology
Advanced Life/Sciences
Animal Science
Advanced/Biological Science
Animal Nutrition
Anatomy
Physiology (Systemic)
Cellular Biology
Inorganic Chemistry
Microbiology
Genetics
Chemistry
Organic Chemistry
Biochemistry
Biology/Zoology

Applicants must have at studied at least five of the above recommended prerequisite subjects.

University of Calgary**
10 Required Undergraduate Course (e.g., University of Calgary Equivalent Course)
Two Introductory Biology Courses (BIOL 241 and BIOL 243) (with labs)
Two Introductory Chemistry Courses (CHEM 201 and CHEM 203) (with labs)
One Introductory English Course (ENGL 201) (must contain a writing component)
One Introductory Organic Chemistry Course (CHEM 351) (with lab)
One Introductory Statistics Course (STAT 205)
One Introductory Biochemistry Course (BCEM 341 or BCEM 393) (lab optional)
One Introductory Genetics Course (BIOL 311) (lab optional)
One Introductory Ecology Course (BIOL 313) (lab optional)

**Information Not Updated
University of California – Davis

*Courses (Semester/Quarter Hours)*
- General Chemistry with lab (2/3)
- Organic Chemistry with lab (2/2-3)
- Physics (2/2-3)
- General Biology with lab (2/3)
- *Systemic physiology (1/1)*
- *Biochemistry (bioenergetics and metabolism) (1/1)*
- *Genetics (genes and gene expression) (1/1)*
- Statistics (1/1)
- *Courses must be taken at the upper division level at a four-year university.

See [prerequisite database](#) for current approved courses at your university. If your school is not listed, submit a [course substitution request](#).

University of Edinburgh

Candidates who want to be considered for the 4-year graduate programme (GEP) must achieve high grades (C or better) in the following:
- Biology/Zoology
- Physics
- Biochemistry
- Organic and Inorganic Chemistry
- Mathematics/Statistics

Gaining high grades (C or better) in the following subjects would strengthen an application for the GEP
- Genetics
- Microbiology
- Cell Biology

University of Florida

*Courses (Semester Hours)*
- Biology (general, genetics, microbiology) (15)
- Chemistry (inorganic, organic, biochemistry) (19)
- Physics (8)
- Mathematics (statistics) (3)
- General Education (humanities/soc sciences) (15)
- English (composition, writing or literature) (6)

Recommended Electives (9)
For more information visit the [website](#).

University of Georgia

*Courses (Semester Hours Required)*
- General Biology I & II with lab (8)
- General Chemistry I & II with Lab (8)
- Organic Chemistry I & II with lab (8)
- Biochemistry (lecture hours only) (3)
- General Physics I & II with lab (8)
- Advanced Biology courses (300/3000 or higher) (8)
- English (6)
- Humanities or Social studies (14)

University of Glasgow

Applicants are expected to have completed at least 3 years Pre-Veterinary or science courses at College or University, with a minimum of one year in chemistry (including organic chemistry and organic chemistry lab), biology, or biochemistry, and either physics, maths, or statistics.

University of Guelph

*Courses (Credit Hours)*
- Biological Sciences (6)
- Cell Biology (3)
- Biochemistry (3)
- Statistics (3)
- Genetics (3)
- Humanities/Social Sciences* (6)

* Consider topics such as ethics, logic, critical thinking, determinants of human behavior and human social interaction.

University of Illinois

*Courses (Semester Hours)*
- Biological Science with lab (8)
- Chemical Sciences with lab (16)
- Physics with lab (8)

*With a bachelor’s degree completed before matriculation in veterinary school. Without a bachelor’s degree, all above must be taken; additional prerequisites are required in English Composition (3 hrs), Speech/
University of Liverpool
Detailed entry requirements: [https://www.liverpool.ac.uk/veterinary-science/study/how-to-apply/](https://www.liverpool.ac.uk/veterinary-science/study/how-to-apply/)
Bachelor of Science degree with a minimum GPA of 3.0 (equal to a UK 2:1)
PLUS
AP Biology: 4
AP Chemistry: 4

High School Applicants
AP Policy: At least four College Board AP exams to include: Biology: 5, Chemistry: 5, Math: 4, English: 4
 OR
ACT score of 27 in English and Math (including writing test)
AP Biology: 5
AP Chemistry: 5
PLUS High School Diploma GPA 3.0 or above

For both Graduate and High School entry, we will also consider alternative combinations of AP Level and Honours Level/College Level courses on a case by case basis. Please email for advice prior to application.

University of Melbourne
Completion of an undergraduate science-based degree with at least one semester (or equivalent) in biology and one semester (or equivalent) in biochemistry. Applicants must also provide a personal statement outlining any relevant experience that demonstrates their commitment to animal health, production, and welfare.

CASPer® situational judgement test is used as an additional selection tool and applicants for this program must sit on one of the University of Melbourne DVM-specific test dates.

University of Minnesota
Courses (Semester Hours)
English (2 courses) (6)
Algebra or higher number math course (3)

University of Missouri
Courses (Semester Hours)
English or Communication (6)
College Algebra or higher Math (3)
Physics (complete sequence) (5)
Biological Sciences (not animal science courses) (10)
Humanities/Social Sciences (10)
Biochemistry with Organic Chemistry Prerequisite (3)
Electives up to (23)
Course Prerequisite details

University of Montréal**
Courses (Level)
Physics (101, 201, 301–78)
Chemistry (101, 201, 202)
Biology (301, 401)
Mathematics (including calculus) (103, 203)
DEC (Diplôme d’Etudes Collégiales) including the above courses.
**Information Not Updated

University of Pennsylvania
Courses (Semester Hours)
English (must include 3 credits in composition) (6)
Physics (lab required) (8)
Chemistry – General (8)
Chemistry – Organic (4)
*(Chemistry requires at least 1 lab in General or Organic Chemistry)
Biology (covering basic genetics) (9)
Biochemistry (3)
Microbiology (3)
Social Sciences or Humanities (6)
Calculus & Statistics (any intro stats course) (6)
Electives (37)

Matriculation Requirements and do not need to be completed in full in order to be accepted. Coursework must be complete by mid-summer (JULY) prior to matriculation if accepted and attending Penn Vet.

University of Saskatchewan

**Courses (Semester Hours)**
English (6) (3 credits must include literature component)
Biology (6) (lab required)
Introductory Chemistry (6) (lab required)
Mathematics or Statistics (6)
Physics (3) (lab required)
Organic Chemistry (3)
Genetics (3)
Biochemistry (3)
Microbiology (3)
Electives (21)

A minimum, overall GPA of 75% is required to be eligible to apply.
All applicants must have completed at least two full years of university courses. The definition of a “full year” for this purpose is a minimum of 24 credits (eight or more one-term courses excluding labs) completed within the regular September to April academic year.

University of Sydney**

Applicants must have successfully completed one semester of study in general chemistry (physical and inorganic), organic chemistry, biology, and biochemistry at bachelor’s degree level to be eligible for entry.

University of Tennessee

**Courses (Semester Hours)**
General Inorganic Chemistry (lab required) (8)
Organic Chemistry (lab required) (8)
General Biology/Zoology (lab required) (8)
*Cellular/Molecular Biology (3)
Genetics (3)
†Biochemistry (upper level), exclusive of laboratory (4)
Physics (lab required) (8)
English Composition (6)
Social Sciences/Humanities (18)

* It is expected that this requirement will be fulfilled by a course in cellular or molecular biology. An upper-division cell or molecular biology course is preferred.
† This should be a complete upper-division course in general cellular and comparative biochemistry. Half of a 2-semester sequence will not satisfy this requirement. Applicants are strongly encouraged to complete additional biological and physical science courses, especially comparative anatomy, mammalian physiology, microbiology with laboratory, and statistics.

University of Veterinary Medicine and Pharmacy in Kosice

General Veterinary Medicine study programme:
- Completion of full upper secondary education or full upper specialised secondary education entitling to university study, attested by a certificate
- Successful completion of written entrance examination tests from Biology and Chemistry
- Holders of a bachelor degree in Veterinary or Animal Sciences, Biosciences and related sciences can apply for a transfer to General Veterinary Medicine study programme after meeting further conditions

Veterinary Nurse study programme:
- Completion of full upper secondary education or full upper specialised secondary education entitling to university study, attested by a certificate
- Successful completion of written entrance examination test from Biology
- Previous work in related organizations, such as work with private veterinarians focused on small animals or horses, encouraged

Animal Science study programme:
- Requirements are stipulated by the Nord University
University of Wisconsin

**Courses (Semester Hours)**
- Biology or Zoology with Lab (4)
- Genetics or Animal Breeding (3)
- General Chemistry with Lab (8)
- Organic Chemistry (3)
- Biochemistry (3)
- General Physics (6)
- Statistics (3)
- English Composition or Journalism (6)
- Social Science or Humanities (6)

*All required prerequisite coursework must be completed at a regionally accredited institution; this may include two-year or community colleges.*

University Utrecht

*No prerequisite courses submitted.*

[VetAgro Sup](http://www.vetagro-sup.fr)

*No Prerequisite courses submitted*

Virginia-Maryland College of Veterinary Medicine

**Courses (Number of Semesters)**
- General Biology with Lab (2)
- Organic Chemistry with Lab (1)
- General or Introductory Physics with Lab (2)
- Biochemistry (1)
- Humanities/Social Sciences (2)
- Math: Any College level Math (2)
- English (2)
- Medical Terminology (1) Minimum of 1 credit

Washington State University

**Courses (Semester Hours)**
- Biology with Lab (8)
- Inorganic Chemistry with Lab (8)
- Organic Chemistry with Lab (4)
- Physics with Lab (4)
- Math (algebra or higher) (3)
- Genetics (3-4)
- Biochemistry (3)
- Statistics (methods) (3)
- Arts/Humanities/Social Sciences/History* (21)
- English Composition/Communication* (6)
- Total (64)

*General education requirements will be waived if student has a bachelor’s degree.*

Western University of Health Sciences

**Courses (Semester Hours)**
- Organic Chemistry with Lab (3)
- Biochemistry or Physiological Chemistry (3)
- Upper-Division Biological & Life Sciences with Lab (9)
- Microbiology (3)
- Upper-Division Physiology (animal, human or comparative only) (3)
- Genetics (3)
- General or College Physics with Lab (6)
- Statistics (general, introductory, or bio-) (3)
- English Composition (6)
- Humanities/Social Sciences (9)