Summary of Course Prerequisites

For All AAVMC Member institutions for 2023 Matriculation

UPDATED AS OF FEBRUARY 4, 2022

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 2022 for 2023 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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## Comparison of Course Prerequisites by Program

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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)
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)
Principles of Biology (Organismal) I with lab (4)
Principles of Biology (Zoology) II with lab (4)
Cell Biology*** (3)
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)
Animal Nutrition ## (3)

* Students must complete a 6-semester-hour sequence either in literature or in history.
** Science electives must be two of the following: genetics, microbiology, physics II, comparative anatomy, histology, reproductive physiology, mammalian or animal physiology, parasitology, embryology, or immunology.
*** The cellular biology course, beyond an introductory biology course, should focus on the molecular biology of cells, membranes, cytoplasm, and organelles as well as energy, transport, motility, cell division, signaling, transcription, and translation. Microbiology, genetics, physiology, or other courses may not be used to fulfill the cell biology requirement.
# These requirements will be waived if the student has a bachelor’s degree. If you have graduated with a 4-year bachelor’s degree OR if you will graduate with a 4-year bachelor’s degree by June 15th preceding your 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 a single “#” listed.
## Will accept web based or correspondence course. Animal nutrition must focus on large animal, small animal, monogastric, and ruminant species.

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)
Genetics (that requires biology) (3)
Physics with lab (4)
Statistics (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 (30)
Upper-level biomedical science electives recommended
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.

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)
- 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.

Please note that while anatomy and physiology classes are not prerequisite courses, they are strongly encouraged.

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)
- Biochemistry (3)
- Organic Chemistry with Laboratory (4)
- Genetics (3)
Math (Calculus/Statistics (3)
English Composition (3)
Recommended pre-requisite courses include Psychology, Cellular Biology, Sociology, and Medical Terminology

**Louisiana State University**

*Courses (Semester Hours)*
General Biology (lab required) (8)
Microbiology (lab required) (4)
Physics (6)
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 fulfill 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)

**Physics I (3) Lab (1)**
**Physics II (3) Lab (1)**
**Organic Chemistry I (3) Lab (1)**
**Organic Chemistry II (3)**
Upper-Level Biology (3) typically 300 or 400 level courses in one of the following subjects: Cell Biology, Physiology, Neurobiology, Immunology, Genetics, Microbiology, or Histology
Biochemistry (3)

*General Education Requirements*

Arts and Humanities (2 courses): min. 6 credits, courses must be in two of the following subject areas: history, literature, art, music, and theater history or appreciation, philosophy, or religion
Social Sciences (2 courses): min. 6 credits, course must be in two of the following subject areas: cultural anthropology, economics, human geography, political science, psychology, or sociology
English (1 course): min. 3 credits of English composition

(If science course includes lab, it fulfills both requirements)
*If a bachelor's degree will be earned by July 1 of the matriculation year, all general education requirements are considered fulfilled and individual courses will not be reviewed.
For more information about prerequisite course requirements: [https://cvm.msu.edu/future-students/dvm/prerequisites](https://cvm.msu.edu/future-students/dvm/prerequisites)

**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.

The above information is subject to change. Please visit our website for the most updated information.

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).

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

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.

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.

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)
English Composition (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.

Seoul National University

No Prerequisite courses submitted Website: https://en.snu.ac.kr/apply/info

St. George’s University

Courses
General Biology or Zoology with lab: 8 credits
General Chemistry with lab: 8 credits
Organic Chemistry with lab: 4 credits
Genetics: 3 credits
Biochemistry: 3 credits
Physics with lab: 4 credits
Math (Calculus, Computer Science, or Statistics): 3 credits
English: 3 credits
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, such as 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://future-students.uq.edu.au/study/programs/bachelor-veterinary-science-honours-2378
Further information about the minimum entry requirements is available on The University of Queensland Future Students website (https://future-students.uq.edu.au/apply/undergraduate/international/admission-information).

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

**University College - Dublin**

*Courses (Semesters)*

Physics with lab (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
https://sciences.adelaide.edu.au/study/animal-veterinary-science/how-to-apply-veterinary-program

**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, 2023.

**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)
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.

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
*In addition, 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/Communication (3 hrs), Humanities/Social Science (12 hrs); 12 hrs of junior/senior/graduate level science courses.

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)
- General Chemistry (labs required) (2 courses, plus 2 labs) (6)
- Organic Chemistry I or II (no lab required) (3)
- Biochemistry I or II (no lab required) (3)
- General Biology (lab required) (3)
- Additional Biology course with a course number higher than introductory biology (no lab required) (3)
- Genetics (lab not required) (3)
- Physics (2 courses, no labs required) (3)
- Liberal Education (3 courses) (9)
- Statistics (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)

**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.

**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)
At time of application, applicants must have completed at least two full years of university courses. A “full year” equals 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
For 6-year GVM study program – Full upper secondary education or full specialised upper secondary education qualification entitling the applicant to higher education study.
Written entrance examination from subjects Biology and Chemistry
For 4-year post BSc GVM study program – Full upper Secondary Education or full specialised upper secondary education qualification entitling for higher education study.
Completion of the first level of higher education studies (i.e., Bachelor degree in Veterinary Sciences or Animal Sciences, Biosciences or related sciences).
Completion of Biology, Biophysics, Chemistry and Biochemistry during the first level of higher education studies, in exceptional cases courses in Chemistry and Biochemistry and/or Biophysics can be completed during the first year of study at UVMP in Košice.
Documented attainment of 180 ECTS after completion of bachelor degree.

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)

University Utrecht
No prerequisite courses submitted.
(https://www.uu.nl/en/organisation/faculty-of-veterinary-medicine/education)

VetAgro Sup
No Prerequisite courses submitted
(http://www.vetaqro-sup.fr)
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: Algebra or Calculus (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)