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 2021 for 2022 matriculation only and is subject to change. Please direct all questions regarding course prerequisites directly to the institution.

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

(Please check www.aavmc.org for updates)
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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)

* 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)
- Organic Chemistry (one semester) (3/4.5)
- Biochemistry (half year required; full year recommended) (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)

**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)

**Kansas State University**

*Courses (Semester Hours)*
- Expository Writing I and II (6)
- Public Speaking (2)
- Chemistry I and II (8)
- General Organic Chemistry (lab required) (5)
- General Biochemistry (3)
- Physics I and II (8)
- Principles of Biology or General 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)
- General 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)
- Biochemistry (3)
Organic Chemistry with Laboratory (4)
Genetics (3)
Math [Algebra, Calculus, Trigonometry]/Statistics (3)
English Composition (3)
Recommended pre-requisite courses include: Psychology, Cellular Biology, Sociology, and Medical Terminology

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**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)

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**Massey University**

No Prerequisite courses submitted
Please see [https://www.massey.ac.nz/](https://www.massey.ac.nz/)

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**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)
  - Biochemistry (3)
  (If science course includes lab it fulfills both requirements)
- For more information about prerequisite course requirements: [https://cvm.msu.edu/future-students/dvm/prerequisites](https://cvm.msu.edu/future-students/dvm/prerequisites)

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**Mississippi State University**

*Courses (Semester Hours)*
- English Composition (3)
- 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](https://cvm.msu.edu/future-students/dvm/prerequisites) 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.

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)
- English Composition, Writing, Communications or Public Speaking (6)
- Humanities/Social Sciences (6)
- Microbiology (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.

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 (4)
- Animal Biology/Zoology (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)
General Biology (Two semesters/Three quarters)
Upper Division Biology (lab required) (One semester/Two quarters)
Physics (Eight semester Credits/Ten quarter credits)
General Chemistry (labs required) (Two semesters/Three quarters)
Organic Chemistry (One semester/Two quarters)
Biochemistry (One semester/Two quarters)
Genetics (One semester/One quarter)
Calculus or Algebra & Trig (One calculus course or College Algebra & Trigonometry courses)
Statistics (One semester/One quarter)
Physiology (human or animal) (One semester/One quarter)
*English (One semester/One quarter)
*Humanities or Social Sciences (Two semesters/Three quarters)
*Public Speaking (One semester/One quarter)
*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 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)
Physics (4)
Biochemistry (4)
Upper-level (300-400 level) Biology/Biological Science* (8)
Anatomy/Physiology (4)
Organic Chemistry (4)
General Biology (4)
Mathematics (4)
* Including but not limited to: Immunology, Parasitology, Histology, Anatomy, or Physiology

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: one year
General Chemistry with lab: one year
Organic Chemistry with lab: one semester
Genetics: one semester
Biochemistry: one semester
Physics with lab: one semester
Math (Calculus, Computer Science, or Statistics): one semester
English: one semester
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 (lab required) (4)
General Microbiology (lab required) (4)
Genetics (3)
Animal Nutrition or Feeds & Feeding (3)
General Chemistry I & II (lab required) (8)
Organic Chemistry I & II (lab required) (8)
Biochemistry (lecture hours only) (3)
Statistics (upper level/Jr. or Sr.) (3)
Physics I & II (lab required) (8)
English (6)
Public Speaking (3)

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)

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/entry-requirements).
Tufts University

Courses (Semester Hours)
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
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 (lab required)(1)
Biochemistry (1)
General Biology (1)
General Inorganic Chemistry (Lab Required) (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; a C- or lower is not acceptable. Courses may be repeated to meet the grade requirement. 50% of prerequisites must be completed by the time you submit your application, to include one course in: biology, chemistry, physics/biophysics, biochemistry/organic chemistry, and the
one math class. All prerequisites must be completed, and grades posted by your institution, by June 30, 2022.

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
Two Introductory Biology Courses (BIOL 241 and BIOL 243) (labs required)
Two Introductory Chemistry Courses (CHEM 201 and CHEM 203) (labs required)
One Introductory English Course (ENGL 201) (must contain a writing component)
One Introductory Organic Chemistry Course (CHEM 351) (lab required)
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)

Required Undergraduate Course (e.g. University of Calgary Equivalent Course)

University of California – Davis

Courses (Semester/Quarter Hours)
General Chemistry (lab required) (2/3)
Organic Chemistry (lab required) (2/2-3)
Physics (2/2-3)
General Biology (lab required) (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)**
- General Biology I &II with lab (8) Required
- General Chemistry I & II with Lab (8) Required
- Organic Chemistry I & II with lab (8) Required
- Biochemistry (lecture hours only) (3) Required
- General Physics I & II with lab (8) Required
- Advanced Biology courses (300/3000 or higher) (8) Required
- English (6) Required
- Humanities or Social studies (14) Required

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 (lab required) (8)
- Chemical Sciences (lab required) (16)
- Physics (lab required) (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. (12)

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.

University of Mexico (UNAM)
Prospective student is expected to have taken the following courses during years 7th to 12th:
- Mathematics (6 years) (Algebra, probability, statistics, trigonometry, geometry, differential and integral calculus)
- Biology (5 years) (including lab work in all courses) (General biology, zoology, ecology, cell biology, human anatomy, human physiology, nutrition and metabolism, evolution, health education)
- Chemistry (4 years) (General chemistry, inorganic chemistry, organic chemistry, radiation chemistry, biochemistry)
- Physics (4 years) (General physics, thermodynamics, mechanics, electromagnetism, optics, acoustics, hydraulics)

(www.fmvz.unam.mx)

University of Minnesota  
**Courses (Semester Hours)**
- English (2 courses) (6)
- College Algebra, Pre-Calculus or Calculus (3)
- General Chemistry (labs required) (2 courses, plus 2 labs) (6)
- Organic Chemistry (3)
- Biochemistry (3)
- General Biology (lab required) (3)
- Zoology (lab required) (3)
- Genetics (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)

University of Montreal

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 3hr 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)
- Mathematics or Statistics (6)
- Organic Chemistry (3)
- Genetics (3)
- 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 not completed in full.

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)
- Organic Chemistry (3)
- Genetics (3)
- Biochemistry (3)
- Microbiology (3)
- Electives (21)

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

6 year GVM study program – none.
For 4 year post BSc GVM study program – Completion of specified subjects during the first level of higher education studies (Biology, Chemistry and Biophysics) – upon approval of the UVMP Management, courses in Chemistry and Biochemistry and/or Biophysics can be completed during the first year of study at UVMP in Košice.

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.vetagro-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 (3)
Medical Terminology (1)

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)