

**Purdue University  
College of Veterinary  
Medicine**

**2012–2013  
Undergraduate Academic  
Catalog**

# **Purdue University College of Veterinary Medicine Undergraduate Academic Catalog**

The 2012-13 Undergraduate Academic Catalogs provide users with information about degree programs offered at the Purdue University West Lafayette campus.

In Fall Semester 2011-12, students were enrolled in 269 undergraduate majors in 10 overarching academic colleges and schools. Some of those students were at the same time taking graduate-level classes and/or pursuing professional degrees.

The information contained in these catalogs is subject to change as a result of action by federal and/or state governments, the trustees of Purdue University and the administration of Purdue University. Questions about the detailed content should be directed to the appropriate University college/school, department or office.

## **Nondiscrimination Policy Statement**

Purdue University is committed to maintaining a community which recognizes and values the inherent worth and dignity of every person; fosters tolerance, sensitivity, understanding, and mutual respect among its members; and encourages each individual to strive to reach his or her own potential. In pursuit of its goal of academic excellence, the University seeks to develop and nurture diversity. The University believes that diversity among its many members strengthens the institution, stimulates creativity, promotes the exchange of ideas, and enriches campus life.

Purdue University views, evaluates, and treats all persons in any University related activity or circumstance in which they may be involved, solely as individuals on the basis of their own personal abilities, qualifications, and other relevant characteristics.

Purdue University prohibits discrimination against any member of the University community on the basis of race, religion, color, sex, age, national origin or ancestry, genetic information, marital status, parental status, sexual orientation, gender identity and expression, disability, or status as a veteran. The University will conduct its programs, services and activities consistent with applicable federal, state and local laws, regulations and orders and in conformance with the procedures and limitations as set forth in Purdue's Equal Opportunity, Equal Access and Affirmative Action policy which provides specific contractual rights and remedies. Additionally, the University promotes the full realization of equal employment opportunity for women, minorities, persons with disabilities and veterans through its affirmative action program.

Any question of interpretation regarding this Nondiscrimination Policy Statement shall be referred to the Vice President for Ethics and Compliance ([www.purdue.edu/ethics](http://www.purdue.edu/ethics)) for final determination.

## **College of Veterinary Medicine**

This professional college has assumed a leading position nationally and internationally in educating the veterinary medical team. The college is fully accredited and is one of only 28 in the United States that grant the Doctor of Veterinary Medicine (D.V.M.) degree.

The Veterinary Technology Program is accredited by the American Veterinary Medical Association (AVMA) and awards Associate of Science and Bachelor of Science degrees. The Associate of Science degree is also offered via distance learning. The Veterinary Technology Program at Purdue is one of only

three AVMA-accredited programs administered by a school of veterinary medicine. See [www.vet.purdue.edu](http://www.vet.purdue.edu).

## **History and Accreditation**

The history of the College of Veterinary Medicine reaches back into the nineteenth century. In 1877, the Department of Veterinary Science was established within the Agricultural Experiment Station to pursue new knowledge and understanding of animal diseases and of diseases transmissible from animals to man. Veterinary services were provided for the livestock owned by Purdue University, and diagnostic services were made available to practicing veterinarians and the general public.

In 1945, the Indiana General Assembly officially created the Animal Disease Diagnostic Laboratory on the West Lafayette campus. A branch laboratory located at the Southern Indiana-Purdue Agricultural Center in Dubois County initiated diagnostic services in 1970.

An act passed by the Indiana General Assembly in 1957 provided an appropriation to Purdue University for constructing a School of Veterinary Medicine. Later that year, the Board of Trustees of the University authorized the establishment of a School of Veterinary Science and Medicine as an autonomous division of the University. The School of Veterinary Science and Medicine graduated its first class in 1963. In 1974, the trustees authorized the name to be changed to the School of Veterinary Medicine, and effective January 1, 2012, the name was changed to College of Veterinary Medicine.

## **Accreditation**

The Purdue University College of Veterinary Medicine is fully accredited by the American Veterinary Medical Association's Council on Education and holds membership in the Association of American Veterinary Medical Colleges.

## **Structure of the College**

### **Academic Structure**

Each prospective student is required to complete a prescribed preprofessional curriculum of two to three collegiate years before admission to the College of Veterinary Medicine is possible. Professional students receive instruction that is managed primarily at the department level. The college has three departments:

- Basic Medical Sciences
- Veterinary Clinical Sciences
- Comparative Pathobiology

Students satisfactorily completing the four-year professional curriculum receive the degree of Doctor of Veterinary Medicine (D.V.M.).

In 1975, the Indiana General Assembly appropriated money to create the Veterinary Technology Program. This program grants an Associate in Applied Science degree after two years of study in the required curriculum. An additional two years of instruction will lead to a Bachelor of Science degree in this area.

Each basic science department in the school offers graduate instruction leading to Master of Science (M.S.) or Doctor of Philosophy (Ph.D.) degrees to persons possessing the D.V.M. degree and to others with comprehensive training in biological sciences. The Department of Veterinary Clinical Sciences offers

graduate instruction leading to Master of Science (M.S.) degrees in medicine and surgery to people possessing the D.V.M. degree.

Extensive research programs are conducted in each department. For information about graduate training, see the [Graduate School](http://www.gradschool.purdue.edu/) (www.gradschool.purdue.edu/) website.

## **Veterinary Medical Administration**

The Department of Veterinary Medical Administration is a nonacademic department representing administratively all areas not reasonably assignable to an academic department. It provides a departmental framework for handling the business and accounting activities of the school, provides a centralized service for admissions and student affairs for both degree programs, coordinates continuing education, engagement and extension activities, and serves as the administrative home for a variety of service activities.

## **Media Instructional and Information Technology**

Media Instructional and Information Technology (MIIT) is an amalgamation of Medical Illustration, Communications and the Veterinary Computer Network that supports the teaching, research and continuing education efforts of the College of Veterinary Medicine and the Indiana University School of Medicine-Lafayette. This support is provided by production services in medical illustration, medical photography, multimedia, television, computer graphics, Web design and computer repair. Production capabilities and functions are coordinated with centralized University services such as the Division of Instructional Services, Information Technology at Purdue (ITaP) and Printing Services whenever possible. The unit also serves Purdue's Veterinary Extension Service and Continuing Education programs by production of audiovisual materials for workshops, fairs and area meetings.

## **Biomedical Information Resources Center**

The Biomedical Information Resources Center is a 10,000-square-foot facility comprised of the veterinary medical library and a student computing laboratory of more than 30 networked computer workstations.

Further student computer access is available in four small group teaching laboratories. These rooms are equipped with 24 multimedia workstations.

## **Abbreviations**

Some of the following abbreviations of subject fields are used in the Plans of Study section of this catalog. Alphabetization is according to abbreviation.

**AAE** — Aeronautical and Astronautical Engineering

**AAS** — African American Studies

**ABE** — Agricultural and Biological Engineering

**AD** — Art and Design

**AFT** — Aerospace Studies

**AGEC** — Agricultural Economics

**AGR** — Agriculture

**AGRY** — Agronomy

**AMST** — American Studies

**ANSC** — Animal Sciences

**ANTH** — Anthropology  
**ARAB** — Arabic  
**ASAM** — Asian American Studies  
**ASL** — American Sign Language  
**ASM** — Agricultural Systems Management  
**ASTR** — Astronomy  
**AT** — Aviation Technology  
**BAND** — Bands  
**BCHM** — Biochemistry  
**BCM** — Building Construction Management Technology  
**BGR** — Boiler Gold Rush  
**BIOL** — Biological Sciences  
**BME** — Biomedical Engineering  
**BMS** — Basic Medical Sciences  
**BTNY** — Botany and Plant Pathology  
**CDFS** — Child Development and Family Studies  
**CE** — Civil Engineering  
**CEM** — Construction Engineering and Management  
**CFS** — Consumer and Family Sciences  
**CGT** — Computer Graphics Technology  
**CHE** — Chemical Engineering  
**CHM** — Chemistry  
**CLCS** — Classics  
**CLPH** — Clinical Pharmacy  
**CMPL** — Comparative Literature  
**CNIT** — Computer and Information Technology  
**COM** — Communication  
**CPB** — Comparative Pathobiology  
**CS** — Computer Sciences  
**CSR** — Consumer Sciences and Retailing  
**DANC** — Dance  
**EAS** — Earth and Atmospheric Sciences  
**ECE** — Electrical and Computer Engineering  
**ECET** — Electrical and Computer Engineering Technology  
**ECON** — Economics  
**EDCI** — Education-Curriculum and Instruction  
**EDFA** — Education-Foundations and Administration  
**EDPS** — Educational and Psychological Studies  
**EDST** — Educational Leadership and Cultural Foundations  
**EEE** — Environmental and Ecological Engineering  
**ENE** — Engineering Education  
**ENGL** — English  
**ENGR** — First-Year Engineering  
**ENTM** — Entomology

**ENTR** — Entrepreneurship  
**EPCS** — Engineering Projects in Community Service  
**FLL** — Foreign Languages and Literatures  
**FN** — Foods and Nutrition  
**FNR** — Forestry and Natural Resources  
**FR** — French  
**FS** — Food Science  
**FVS** — Film and Video Studies  
**GEOG** — Geography  
**GEOL** — Geology  
**GEP** — Global Engineering Program  
**GER** — German  
**GREK** — Greek  
**GS** — General Studies  
**HDFS** — Human Development and Family Studies  
**HEBR** — Hebrew  
**HHS** — Health and Human Sciences  
**HIST** — History  
**HK** — Health and Kinesiology  
**HONR** — Honors  
**HORT** — Horticulture  
**HPER** — Health, Physical Education and Recreation  
**HSCI** — Health Sciences  
**HTM** — Hospitality and Tourism Management  
**IDE** — Interdisciplinary Engineering  
**IDIS** — Interdisciplinary Studies  
**IE** — Industrial Engineering  
**IET** — Industrial Engineering Technology  
**IPPH** — Industrial and Physical Pharmacy  
**IT** — Industrial Technology  
**ITAL** — Italian  
**JPNS** — Japanese  
**JWST** — Jewish Studies  
**LA** — Landscape Architecture  
**LALS** — Latina American and Latino Studies  
**LCME** — Lafayette Center for Medical Education  
**LING** — Linguistics  
**LS** — Land Surveying  
**MA** — Mathematics  
**MARS** — Medieval and Renaissance Studies  
**MCMP** — Medicinal Chemistry and Molecular Pharmacology  
**ME** — Mechanical Engineering  
**MET** — Mechanical Engineering Technology  
**MGMT** — Management

**MSL** – Military Science and Leadership  
**MUS** – Music History and Theory  
**NRES** – Natural Resources and Environmental Science  
**NS** – Naval Science  
**NUCL** – Nuclear Engineering  
**NUPH** – Nuclear Pharmacy  
**NUR** – Nursing  
**NUTR** – Nutrition Science  
**OBHR** – Organizational Behavior and Human Resources  
**OLS** – Organizational Leadership and Supervision  
**PES** – Physical Education Skills  
**PHAD** – Pharmacy Administration  
**PHIL** – Philosophy  
**PHPR** – Pharmacy Practice  
**PHRM** – Pharmacy  
**PHSL** – Physiology  
**PHYS** – Physics  
**POL** – Political Science  
**PPE** – Professional Practice-Engineering  
**PPT** – Professional Practice-Technology  
**PSY** – Psychology  
**PTGS** – Portuguese  
**RECR** – Recreation Leadership  
**REL** – Religious Studies  
**RUSS** – Russian  
**SA** – Study Abroad  
**SCI** – General Science  
**SLHS** – Speech, Language and Hearing Science  
**SOC** – Sociology  
**SPAN** – Spanish  
**STAR** – Summer Transition, Advising and Registration  
**STAT** – Statistics  
**SWRK** – Social Work  
**TECH** – Technology  
**THTR** – Theatre  
**USP** – Undergraduate Studies Program  
**VCD** – Visual Communication and Design  
**VCS** – Veterinary Clinical Sciences  
**VM** – Veterinary Medicine  
**WOST** – Women’s Studies  
**YDAE** – Youth Development and Agricultural Education

## **Preprofessional Curriculum**

<b>Subjects</b>	<b>Semesters*</b>
Biochemistry †	1 semester
Biology with laboratory (diversity, developmental, cell structure)	2 semesters
Calculus	1 semester
Careers in Veterinary Medicine (if available)	1 semester
Chemistry (inorganic) with laboratory	2 semesters
Chemistry (organic) with laboratory	2 semesters
Communication (interpersonal, persuasion or speech)	1 semester
English composition	1 semester
Genetics with laboratory	1 semester
Humanities (foreign languages, cognitive sciences and social sciences)	3 semesters
Microbiology (general or medical) with laboratory	1 semester
Nutrition (animal)	1 semester
Physics with laboratory	2 semesters
Statistics	1 semester

Purdue University courses or combinations of courses that will meet these requirements are listed here. (Semester credits are shown in parentheses.)

**Biochemistry** — BCHM 30700 (3); or BCHM 56100 (3) and 56200 (3); or CHM 33300 (3).

**Biology** — Biology—BIOL 11000 (4), 11100 (4), 23100 (3) (23000-accepted substitute for 23100) and 23200 (2); or BIOL 12100 (2), 13100 (2), 13500 (2), 23100 (3) (23000-accepted substitute for 23100) and 23200 (2).

**Calculus** — MA 22300 (3), MA 23100 (3), MA 16100 (5) or MA 16500 (4).

**Careers in Veterinary Medicine** — VM 10200 (1).

**Chemistry (inorganic)** — CHM 11100 (3), 11200 (3), and 11600 (4); or CHM 11500 (4) and 11600 (4).

**Chemistry (organic)** — CHM 25500 (3), 25501 (1), 25600 (3) and 25601 (1); or CHM 25700 (4) and 25701 (1).

**Communication** — COM 11400 (3), 21200 (3), 21700 (3) or 22400 (3).

**English Composition** — ENGL 10100 (3) and 10200 (3); or ENGL 10300 (3); or ENGL 10600 (4); or ENGL 10800 (3).

**Genetics** — BIOL 24000 (3) and 24200 (2); or AGRY 32000 (3) and 32100 (1).

**Humanities electives** — Humanities electives include the areas of languages, cognitive sciences and social sciences.

**Microbiology** — BIOL 22100 (4); or BIOL 43800 (3) and 43900 (2).

**Nutrition** — ANSC 22100 (3).



**Physics** — PHYS 22000 (4) and 22100 (4).

**Statistics** — STAT 30100 (3) or 50300 (3).

**Other recommended courses** — accounting (MGMT 20000); animal sciences, including other animal nutrition courses (ANSC 32400); biochemistry laboratory (BCHM 30900); business/technical writing (ENGL 42000, 42100); chemistry (CHM 22400); economics (AGEC 21700, ECON 21000, 25100, 25200); immunobiology (BIOL 53700); leadership (CSR 30900); personal finance (CSR 34200).

Curriculum requirements are subject to change without published notice.

*\*Core subjects may vary as to the number of semesters required depending on the overall design and content of the core courses on a particular campus (e.g., 1 semester vs. 2 semesters). Please consult with your undergraduate advisor and refer to the course descriptions on the website.*

*† This course should be a complete upper-division course; half of a two-semester sequence will not satisfy this requirement.*

**Note:** Purdue pre-veterinary students should follow their undergraduate programs of study regardless of minimums indicated.

## Veterinary Medicine Careers

Veterinary medicine is the science and the art that deals with the recognition, treatment, control and prevention of disease among animals. It enhances the well-being and production of food and performance animals and the facilitation of the bond between animals and humans. The veterinary medical profession bears the major responsibility for the health of the nation's livestock and the companion animal population. The role of the veterinarian in public health is very important because human health depends in many respects upon the health of animals in the environment.

### Private Practice

About two-thirds of the veterinarians in the United States are engaged in private practice. This constitutes a wide field with excellent opportunities. Veterinary practice may be:

- General, in which the practitioner offers services in dealing with all species of animals.
- Farm animal, in which the economically important food-producing domestic animals are considered.
- Companion animal, in which domestic animals occupying a companion position with their owners are treated.
- Special, in which only specific conditions or individual species are handled.

Increasingly, veterinarians with advanced specialty training and board certification are offering their services in referral hospitals in metropolitan areas.

## **Public and Corporate Practice**

### **Federal Government**

**Department of Agriculture (USDA).** The USDA employs more veterinarians than any other public or private agency. Careers are available in the Agricultural Research Service (ARS), the Animal and Plant Health Inspection Service (APHIS) and the Food Safety and Quality Service (FS & QS). Opportunities include research in infectious and noninfectious diseases and problems caused by uni-cellular and multi-cellular forms on animal life (ARS); licensing and control of biologic products privately produced for use in animals, communicable disease control programs and control of interstate and international movement of livestock (APHIS); and public health protection through food quality control services (FS & QS). Opportunities for service are available worldwide.

**Department of Health and Human Services.** Three agencies of the U.S. Public Health Service utilize the expertise of veterinarians at home and abroad. The Centers for Disease Control and Prevention, the Food and Drug Administration and the National Institutes of Health have a wide variety of research programs in which veterinarians are active participants. In addition, the Bureau of Veterinary Medicine in the FDA reviews license applications for drugs to be used in animals and evaluates surveillance and compliance programs relating to veterinary drugs and devices.

**Other Federal Career Opportunities.** Veterinary talent and expertise are employed by the Department of Commerce in the National Interior in the Fish and Wildlife Service; the Veterans Administration, in research programs; the Environmental Protection Agency, in research and toxicological surveillance activities; and the Department of Defense, in research programs of its branches, including activities in support of the National Aeronautics and Space Administration.

### **Medical Research and Laboratory Animal Care**

A number of veterinarians are employed by medical schools and other institutions to conduct cooperative research benefiting animals and man. Opportunities in this area have been increasing rapidly in recent years.

### **Municipal Government**

Most cities and some towns employ veterinarians either full-time or part-time as members of their health departments. Such individuals usually are connected with the sanitary control of meat, meat products, milk and milk products, as well as with the promulgation and enforcement of local disease-control ordinances involving rabies and other diseases transmissible to man.

### **Private Industry**

Private enterprise needs a variety of veterinary specialists. Biological and pharmaceutical companies employ veterinary pathologists, immunologists, microbiologists, pharmacologists, parasitologists, clinicians, surgeons and laboratory animal specialists, among others. Feed manufacturers, the meat industry, horse farms and poultry producers are other examples of corporate employers of veterinarians in the private sector. A variety of industrial and service organizations, such as smelters, railroads and power companies, are frequent employers of veterinarians as consultants on problems of animals, poultry and aquatic life related to corporate activity.

## **State Employment**

Each state has a chief livestock sanitary officer, usually identified as the state veterinarian, who enforces the laws, rules and regulations formulated to suppress disease of animals within the state and controls the movement of animals within the state. In most states, a corps of veterinarians is employed in this regulatory work.

## **Other**

Veterinarians have many opportunities. A veterinarian is especially qualified to participate in the solution of problems related to ecology, food-resource management, wildlife preservation, zoo animal care, homeland security, bioterrorism, and space and marine biology. Individuals interested in local or international service in such areas should consider the opportunities available in the veterinary medical profession.

## **Academic Positions**

There are 28 accredited schools or colleges of veterinary medicine in the United States, each with 25 to 200 veterinarians on staff. Postgraduate education, teaching and research opportunities are numerous at these institutions, and interested and qualified students should seriously consider those opportunities. Almost every agricultural school in the United States has a veterinary science department in which varying numbers of veterinarians are utilized in research, teaching, adult education and other forms of scholarly activity.

## **Admission to the Professional College**

Action of the Board of Trustees places enrollment limits for each entering class in the College of Veterinary Medicine. Class size is limited to 84 students.

All prerequisite courses required by the faculty, including those in progress at the time of application, must be completed satisfactorily by the end of the spring semester before matriculation in the fall.

Students who have completed the preprofessional curriculum at Purdue or elsewhere cannot be assured of admission to the College of Veterinary Medicine. Since enrollment is limited, first preference will be given to Indiana residents. There is a generous, but limited, admission of nonresident students.

Selection of students, made by a 14-member admissions committee, is based on demonstrated academic performance, aptitude, maturity and motivation. A personal interview is required for all applicants who are in the final pool from which the class will be selected. Animal, research and veterinary experience are all considered. Using the evaluative criteria cited, the admissions committee selects those individuals judged to possess the best overall qualifications and who give evidence of potential for continued productivity and growth.

Beginning students applying for admission to the next fall semester must file applications on or before the deadline date specified in the application materials.

The general policy of the University regarding residency requirements for the baccalaureate degree applies to those students enrolled in the veterinary medical curriculum.

For additional information about admissions applications and procedures, please visit the [Veterinary Medicine](http://www.vet.purdue.edu/dvm/) (www.vet.purdue.edu/dvm/) website.

## Professional Curriculum

Only if you are registered in the College of Veterinary Medicine are you eligible to register for professional courses. Students from other academic areas can enroll in the 50000- and 60000-level graduate courses with the consent of the department head.

Registration in the College of Veterinary Medicine in each successive semester is contingent upon satisfactory completion of all courses in the preceding semester. During the third and fourth years of the program, students make track selections in one of seven main areas of study to match their career goals.

Throughout the “Plan of Study” section, figures enclosed in parentheses signify the number of credit hours, e.g., (3) signifies three credit hours.

## Professional Curriculum

### First Professional Year

#### First Semester

- (3.5) **BMS 80100** (Comparative Anatomy I)
- (3) **BMS 80700** (Principles of Cell and Tissue Design I)
- (3) **BMS 81100** (Systemic Mammalian Physiology I)
- (2) **BMS 81500** (Veterinary Neuroscience)
- (1.5) **VCS 80100** (Behavior, Husbandry and Diagnostic Techniques I)
- (1) **VCS 80400** (Behavior in Domestic Animals)
- (3) **VM 82000** (Applications and Integrations I)
- (0) **VM 82500** (Grand Rounds)
- (1) **VM 89200** (Principles of Professionalism, Jurisprudence and Ethics)
- (18)

#### Second Semester

- (3) **BMS 80200** (Comparative Anatomy II)
- (3) **BMS 80800** (Principles of Cell and Tissue Design II)
- (4) **BMS 81200** (Systemic Mammalian Physiology II)
- (1.5) **BMS 81300** (Principles of Pharmacology)
- (2) **CPB 85300** (Principles of Veterinary Immunology)
- (1.5) **VCS 80200** (Behavior, Husbandry and Diagnostic Techniques II)
- (0) **VM 82500** (Grand Rounds)
- (3) **VM 83000** (Applications and Integrations II)
- (18)

#### Second-Semester Electives

- (2) **BMS 52800** (Avian Physiology)
- (1) **BMS 81900** (Endocrine and Neural Basis of Seasonal Activities of Birds and Mammals in the Wild)
- (0.5) **VM 80900** (International Vet Medicine)

## Second Professional Year

### Third Semester

- (3) **BMS 81400** (Basic and Applied Pharmacology I)
- (3) **CPB 85100** (General Pathology)
- (3) **CPB 85201** (Veterinary Parasitology I)
- (2) **CPB 85500** (Veterinary Hematology and Cytology)
- (4) **CPB 85602** (Veterinary Bacteriology and Mycology)
- (0) **VM 82500** (Grand Rounds)
- (3) **VM 84000** (Applications and Integrations III)
  
- (18)

### Fourth Semester

- (2) **BMS 81800** (Basic and Applied Pharmacology II and Principles of Toxicology)
- (5) **CPB 85202** (Veterinary Parasitology II)
- (1) **CPB 85400** (Principles of Epidemiology)
- (5) **CPB 85700** (Veterinary Systemic Pathobiology)
- (3) **CPB 86000** (Veterinary Virology)
  
- (2) **CPB 86100** (Veterinary Clinical Chemistry)
- (1) **VCS 80300** (Behavior, Husbandry and Diagnostic Techniques III)
- (0) **VM 82500** (Grand Rounds)
- (2) **VM 85000** (Applications and Integrations IV)
  
- (21)

### Third-Semester Electives

- (2) **CPB 56400** (Ecologic Health and Wildlife Diseases), even numbered years only
- (0.5) **VCS 89200** (Forensic Veterinary Medicine), odd numbered years only
- (1) **VCS 89300** (Shelter Animal Medicine)

### Fourth-Semester Electives

- (2) **BMS 52800** (Avian Physiology)
- (1) **BMS 81900** (Endocrine and Neural Basis of Seasonal Activities of Birds and Mammals in the Wild)
- (0.5) **VM 80900** (International Veterinary Medicine)

## Third Professional Year

### *Fifth Semester*

- (3.5) **VCS 80600** (Small Animal Medicine and Surgery I) (2)
- (2.5) **VCS 80800** (Equine Medicine and Surgery) (2)
- (2) **VCS 80900** (Ruminant Medicine and Surgery) (1.5)
- (1) **VCS 81000** (Swine Production Medicine) (0)
- (1) **VCS 81100** (General Surgery Laboratory) (12.5)
- (2) **VCS 81200** (Principles of Anesthesia, Surgery and Emergency Medicine)
- (1) **VCS 81300** (Diagnostic Imaging)
- (1) **VCS 81400** (Comparative Theriogenology)
- (1) **VCS 81500** (Ophthalmology)
- (0) **VM 82500** (Grand Rounds)
- (2) **VM 89500** (Clinical Applications)
- (1) Electives, see list below
- (18)

### *Sixth Semester*

- CPB 86900** (Veterinary Public Health and Zoonoses)
- VCS 80700** (Small Animal Medicine and Surgery II)
- VCS 81700** (Achieving Success in Private Practice)
- VM 82500** (Grand Rounds)
- Electives, see list below

### **Fifth-Semester Electives**

- (1) **BMS 80300** (Topographical Anatomy of the Dog and Cat)
- (1) **BMS 80400** (Topographical Anatomy of the Horse)
- (2) **CPB 56400** (Ecological Health and Wildlife Diseases), even numbered years only
- (1) **CPB 81800** (Applied Large Animal Toxicology)
- (1) **CPB 86200** (Clinical Epidemiology for Companion Animals)
- (1) **CPB 86300** (Epidemiology for Livestock Production)
- (1) **VCS 80616** (Clinical Nutrition)
- (1) **VCS 82900** (Equine Imaging)
- (0.5) **VCS 84500** (Small Animal Medicine Laboratory)
- (1) **VCS 89200** (Forensic Veterinary Medicine), odd numbered years only
- (1) **VCS 89300** (Shelter Animal Medicine)

### **Sixth-Semester Electives**

- (2) **BMS 52800** (Avian Physiology)
- (1) **BMS 80500** (Topographical Anatomy of Production Animals)
- (1) **BMS 80600** (Clinical Anatomy of Exotic Pets)
- (1) **CPB 81600** (Applied Small Animal Toxicology)
- (1) **CPB 84000** (Use and Care of Laboratory Animals)
- (1) **CPB 87000** (Diagnostic Veterinary Cytology)
- (1) **VCS 80500** (Small Animal Behavioral Therapy)
- (0.5) **VCS 81800** (Small Animal Surgery Laboratory I)

- (0.5) **VCS 81801** (Small Animal Surgery Laboratory I Alternate)
- (0.5) **VCS 82000** (Small Animal Surgery Laboratory II)
- (0.5) **VCS 82001** (Small Animal Surgery Laboratory II Alternate)
- (0.5) **VCS 82200** (Large Animal Surgery I)
- (0.5) **VCS 82300** (Large Animal Surgery II)
- (0.5) **VCS 82400** (Small Animal Theriogenology)
- (1) **VCS 82500** (Ruminant Theriogenology)
- (0.5) **VCS 82600** (Equine Theriogenology)
- (2) **VCS 82700** (Small Animal Imaging)
- (2) **VCS 83100** (Advanced Equine Theriogenology Laboratory)
- (0.5) **VCS 83200** (Equine Lameness)
- (1) **VCS 83300** (Advanced Equine Medicine)
- (0.5) **VCS 83400** (Food Animal Surgery)
- (1) **VCS 83500** (Environments for Large Animal Species)
- (1) **VCS 83600** (Clinical Nutrition for Large Animal Species I)
- (1) **VCS 83700** (Clinical Nutrition for Ruminants and Swine)
- (1) **VCS 83800** (Swine Production Medicine)
- (1) **VCS 83900** (Cattle Production Medicine)
- (1) **VCS 84000** (Small Ruminant/Llama Medicine)
- (0.5) **VCS 84101** (Advanced Ophthalmology)
- (0.5) **VCS 84300** (Successful Practice Skills)
- (0.5) **VCS 84400** (Client Communications)
- (2) **VCS 84600** (Advanced Small Animal Medicine)
- (2) **VCS 84700** (Advanced Small Animal Specialties)
- (1.5) **VCS 84800** (Advanced Small Animal Surgery)
- (0.5) **VCS 85000** (Small Animal Dentistry)
- (2) **VCS 85100** (Medicine and Surgery of Non-traditional Pets)
- (0.5) **VCS 85200** (Advanced Small Animal Dentistry)

## **Fourth Professional Year**

The fourth professional year consists of a 17-block rotation continuing in the student's clinical track choice. A total of 156 credits are required for graduation from the professional program. Curriculum requirements are subject to change without published notice.

All students will be registered for VCS 86000 Emergency Medicine/ICU. Over the course of the entire fourth year, students will be assigned and evaluated on skills in emergency medicine and ICU duties. One of the 17 blocks will be a vacation block. Students may choose to take this block as a break in their studies or substitute another elective block to enhance their studies. Plans of study for the seven clinical tracks include the following:

- [Companion Animal Track](http://www.purdue.edu/catalogs/vet/plan_fourth.html#Companion) (www.purdue.edu/catalogs/vet/plan\_fourth.html#Companion)
- [Equine Track](http://www.purdue.edu/catalogs/vet/plan_fourth.html#Equine) (www.purdue.edu/catalogs/vet/plan\_fourth.html#Equine)
- [Food Animal Track](http://www.purdue.edu/catalogs/vet/plan_fourth.html#Food) (www.purdue.edu/catalogs/vet/plan\_fourth.html#Food)

- [Large Animal Track](http://www.purdue.edu/catalogs/vet/plan_fourth.html#Large) (www.purdue.edu/catalogs/vet/plan\_fourth.html#Large)
- [Mixed Animal Track](http://www.purdue.edu/catalogs/vet/plan_fourth.html#Mixed) (www.purdue.edu/catalogs/vet/plan\_fourth.html#Mixed)
- [Non-practice Track](http://www.purdue.edu/catalogs/vet/plan_fourth.html#Non-practice) (www.purdue.edu/catalogs/vet/plan\_fourth.html#Non-practice)
- [Small Animal Track](http://www.purdue.edu/catalogs/vet/plan_fourth.html#Small) (www.purdue.edu/catalogs/vet/plan\_fourth.html#Small)

### **Companion Animal Track**

***Required Courses: 10 blocks***

**CPB 88501** (Necropsy)\*  
**CPB 88502** (Microbiology)\*  
**CPB 88503** (Clinical Pathology)\*  
**VCS 86100** (Small Animal Medicine I)  
**VCS 86201** (Small Animal General Surgery I)  
**VCS 86202** (Small Animal Surgery-Orthopedic/Neurosurgery I)  
**VCS 86502** (Large Animal Medicine I)  
**VCS 86600** (Large Animal Surgery I)  
**VCS 87201** (Clinical Veterinary Anesthesiology)  
**VCS 89100** (Diagnostic Imaging)  
**VM 81000** (Externship), 6 weeks

***Choose one:***

**VCS 87100** (Small Animal Medicine II)  
**VCS 87502** (Large Animal Medicine II)  
**VCS 87600** (Large Animal Surgery II)

***Choose one:***

**VCS 86300** (Small Animal Community Practice), 3 weeks  
**VCS 86700** (Equine Community Practice I)  
**VCS 87105** (Pet Practice), 6 weeks

***Electives: Choose four electives unless Pet Practice was chosen above; in that case, choose three electives.***

**CPB 88400** (Laboratory Animal Medicine)  
**CPB 88600** (Diagnostic Pathology)  
**CPB 88700** (Avian Medicine Clerkship)  
**CPB 88800** (Clinical Microbiology Clerkship)  
**CPB 88900** (Clinical Pathology II Clerkship)  
**VCS 81900** (Small Animal Dentistry)  
**VCS 82100** (Neurology)  
**VCS 86001** (Small Animal Emergency and Critical Care)  
**VCS 86300** (Small Animal Community Practice)  
**VCS 86700** (Equine Community Practice I)  
**VCS 86800** (Equine Community Practice II)  
**VCS 87000** (Clinical Cardiology)  
**VCS 87100** (Small Animal Medicine II)  
**VCS 87102** (Oncology I)  
**VCS 87104** (Clinical Investigation in Oncology II)  
**VCS 87105** (Pet Practice) 6 weeks  
**VCS 87202** (Small Animal General Surgery II)  
**VCS 87203** (Small Animal Surgery-Orthopedic/Neurosurgery II)



VCS 87600 (Large Animal Surgery II)  
VCS 87700 (Large Animal Lameness)  
VCS 88300 (Clinical Investigation in Theriogenology)  
VCS 88500 (Large Animal Medicine III-Equine)  
VCS 89400 (Comparative Ophthalmology I)  
VM 89000 (Adjunct Independent Study)  
VM 89100 (Off-Campus Block)

### **Equine Track**

#### ***Required Courses: 12 blocks***

CPB 88501 (Necropsy)\*  
CPB 88502 (Microbiology)\*  
CPB 88503 (Clinical Pathology)\*  
VCS 86500 (Large Animal Medicine I-Equine)  
VCS 86600 (Large Animal Surgery I)  
VCS 86700 (Equine Community Practice I)  
VCS 87201 (Veterinary Anesthesia)  
VCS 87500 (Large Animal Medicine II-Equine)  
VCS 87600 (Large Animal Surgery II)  
VCS 88500 (Large Animal Medicine III-Equine)  
VCS 88600 (Large Animal Surgery III)  
VCS 89100 (Diagnostic Imaging)  
VM 81000 (Externship), 6 weeks

#### ***Electives: Choose four***

CPB 88300 (Public Health)  
CPB 88600 (Diagnostic Pathology Clerkship)  
CPB 88800 (Clinical Microbiology Clerkship)  
CPB 88900 (Clinical Pathology II Clerkship)  
VCS 86800 (Equine Community Practice II)  
VCS 87700 (Large Animal Lameness)  
VCS 88300 (Clinical Investigation in Theriogenology)  
VCS 89101 (Veterinary Diagnostic Ultrasound)  
VM 89000 (Adjunct Independent Study)  
VM 89100 (Off-Campus Block)

### **Food Animal Track**

#### ***Required Courses: 9 blocks***

CPB 88501 (Necropsy)\*  
CPB 88502 (Microbiology)\*  
CPB 88503 (Clinical Pathology)\*  
CPB 88600 (Diagnostic Pathology Clerkship)  
VCS 86502 (Large Animal Medicine I)  
VCS 86600 (Large Animal Surgery I)  
VCS 87502 (Large Animal Medicine II)  
VCS 87600 (Large Animal Surgery II)  
VCS 87201 (Veterinary Clinical Anesthesiology)  
VM 81000 (Externship), 6 weeks

#### ***Choose three:***

VCS 87800 (Swine Production Medicine I)

VCS 87900 (Bovine Theriogenology and Production Medicine I)  
VCS 87903 (Bovine Theriogenology and Production Medicine II)  
VCS 88000 (Ruminant Production Medicine I)  
VCS 88001 (Ruminant Production Medicine II)  
VCS 88800 (Swine Production Medicine II)

*Electives: Choose four*

CPB 88300 (Public Health)  
CPB 88700 (Avian Medicine Clerkship)  
CPB 88800 (Clinical Microbiology Clerkship)  
CPB 88900 (Clinical Pathology II Clerkship)  
VCS 86700 (Equine Community Practice I)  
VCS 86800 (Equine Community Practice II)  
VCS 87800 (Swine Production Medicine I)  
VCS 87900 (Bovine Theriogenology and Production Medicine I)  
VCS 87903 (Bovine Theriogenology and Production Medicine II)  
VCS 88000 (Ruminant Production Medicine I)  
VCS 88001 (Ruminant Production Medicine II)  
VCS 88300 (Clinical Investigation in Theriogenology)  
VCS 88800 (Swine Production Medicine II)  
VCS 89100 (Diagnostic Imaging)  
VM 87800 (Swine Herd Health and Diagnostic Pathology)  
VM 89000 (Adjunct Independent Study)  
VM 89100 (Off-Campus Block)

**Large Animal Track**

*Required Courses: 11 blocks*

CPB 88501 (Necropsy)\*  
CPB 88502 (Microbiology)\*  
CPB 88503 (Clinical Pathology)\*  
CPB 88600 (Diagnostic Pathology Clerkship)  
VCS 86502 (Large Animal Medicine I-Mixed)  
VCS 86600 (Large Animal Surgery I)  
VCS 86700 (Equine Community Practice I)  
VCS 87201 (Veterinary Anesthesia)  
VCS 87502 (Large Animal Medicine II-Mixed)  
VCS 87600 (Large Animal Surgery II)  
VCS 89100 (Diagnostic Imaging)  
VM 81000 (Externship) 6 weeks

*Choose two:*

VCS 87800 (Swine Production Medicine I)  
VCS 87900 (Bovine Theriogenology and Production Medicine I)  
VCS 88000 (Ruminant Production Medicine I)

*Electives: Choose four*

CPB 88600 (Diagnostic Pathology Clerkship)  
CPB 88700 (Avian Medicine Clerkship)  
CPB 88800 (Clinical Microbiology Clerkship)  
CPB 88900 (Clinical Pathology II Clerkship)

VCS 86800 (Equine Community Practice II)  
VCS 87700 (Large Animal Lameness)  
VCS 87800 (Swine Production Medicine I)  
VCS 87900 (Bovine Theriogenology and Production Medicine I)  
VCS 87903 (Bovine Theriogenology and Production Medicine II)  
VCS 88000 (Ruminant Production Medicine I)  
VCS 88300 (Clinical Investigation in Theriogenology)  
VCS 88500 (Large Animal Medicine III-Equine)  
VCS 88600 (Large Animal Surgery III)  
VCS 88601 (Large Animal Surgery III-Food Animal)  
VCS 88800 (Swine Production Medicine II)  
VCS 89100 (Diagnostic Imaging)  
VCS 89400 (Comparative Ophthalmology I)  
VM 87800 (Swine Herd Health/Diagnostic Pathology)  
VM 89000 (Adjunct Independent Study)  
VM 89100 (Off-Campus Block)

### **Mixed Animal Track**

*Required courses: 10 blocks*

CPB 88501 (Necropsy)  
CPB 88502 (Microbiology)  
CPB 88503 (Clinical Pathology)  
VCS 86100 (Small Animal Medicine I)  
VCS 86201 (Small Animal General Surgery I)  
VCS 86202 (Small Animal Surgery-Orthopedic/Neurosurgery I)  
VCS 86502 (Large Animal Medicine I-Mixed)  
VCS 86600 (Large Animal Surgery I)  
VCS 87201 (Clinical Veterinary Anesthesiology)  
VCS 89100 (Diagnostic Imaging)  
VM 81000 (Externship) 6 weeks

*Choose one:*

VCS 87100 (Small Animal Medicine II)  
VCS 87502 (Large Animal Medicine II-Mixed)  
VCS 87600 (Large Animal Surgery II)

*Choose one:*

VCS 86300 (Small Animal Community Practice) 3 weeks  
VCS 86700 (Equine Community Practice I)  
VCS 87105 (Pet Practice) 6 weeks  
VCS 87900 (Bovine Theriogenology and Production Medicine I)

*Electives: Choose four electives unless Pet Practice was chosen above; in that case, choose three electives.*

CPB 88300 (Public Health)  
CPB 88400 (Laboratory Animal Medicine Clerkship)  
CPB 88600 (Diagnostic Pathology Clerkship)  
CPB 88700 (Avian Medicine Clerkship)  
CPB 88800 (Clinical Microbiology Clerkship)  
CPB 88900 (Clinical Pathology II Clerkship)  
VCS 81900 (Small Animal Dentistry)

VCS 82100 (Neurology)  
VCS 86001 (Small Animal Emergency and Critical Care)  
VCS 86300 (Small Animal Community Practice)  
VCS 86700 (Equine Community Practice I)  
VCS 86800 (Equine Community Practice II)  
VCS 87000 (Clinical Cardiology)  
VCS 87100 (Small Animal Medicine II)  
VCS 87102 (Oncology I)  
VCS 87104 (Clinical Investigation in Oncology II)  
VCS 87105 (Pet Practice), 6 weeks  
VCS 87202 (Small Animal General Surgery II)  
VCS 87203 (Small Animal Orthopedic and Neurosurgery II)  
VCS 87502 (Large Animal Medicine II-Mixed)  
VCS 87600 (Large Animal Surgery II)  
VCS 87700 (Large Animal Lameness)  
VCS 87800 (Swine Production Medicine I)  
VCS 87900 (Bovine Theriogenology and Production Medicine I)  
VCS 87903 (Bovine Theriogenology and Production Medicine II)  
VCS 88000 (Ruminant Production Medicine I)  
VCS 88001 (Ruminant Production Medicine II)  
VCS 88100 (Small Animal Medicine III)  
VCS 88500 (Large Animal Medicine III-Equine)  
VCS 88600 (Large Animal Surgery III)  
VCS 88601 (Large Animal Surgery III-Food Animal)  
VCS 88800 (Swine Production Medicine II)  
VCS 89101 (Veterinary Diagnostic Ultrasound)  
VCS 89400 (Comparative Ophthalmology I)  
VM 87800 (Swine Herd Health and Diagnostic Pathology)  
VM 89000 (Adjunct Independent Study)  
VM 89100 (Off-Campus Block)

#### **Non-practice Track**

##### ***Required courses: 8 blocks***

CPB 88501 (Necropsy)\*  
CPB 88502 (Microbiology)\*  
CPB 88503 (Clinical Pathology)\*  
VCS 86100 (Small Animal Medicine I)  
VCS 86201 (Small Animal General Surgery I)  
VCS 86502 (Large Animal Medicine I-Mixed)  
VCS 86600 (Large Animal Surgery I)  
VCS 87201 (Veterinary Anesthesia)  
VM 81000 (Externship), 6 weeks

##### ***Choose one:***

CS 87100 (Small Animal Medicine II)  
VCS 87502 (Large Animal Medicine II-Mixed)

##### ***Choose one:***

VCS 86300 (Small Animal Community Practice) 3 weeks  
VCS 86700 (Equine Community Practice I)  
VCS 87105 (Pet Practice), 6 weeks

VCS 87900 (Bovine Theriogenology and Production Medicine I)

*Electives: Choose six electives unless Pet Practice was chosen above; in that case, choose five electives.*

CPB 88300 (Public Health)  
CPB 88400 (Laboratory Animal Medicine Clerkship)  
CPB 88600 (Diagnostic Pathology Clerkship)  
CPB 88700 (Avian Medicine Clerkship)  
CPB 88800 (Clinical Microbiology Clerkship)  
CPB 88900 (Clinical Pathology II Clerkship)  
VCS 82100 (Neurology)  
VCS 86202 (Small Animal Orthopedic/Neurosurgery I)  
VCS 86001 (Small Animal Emergency and Critical Care)  
VCS 86300 (Small Animal Community Practice)  
VCS 86700 (Equine Community Practice I)  
VCS 87000 (Clinical Cardiology)  
VCS 87100 (Small Animal Medicine II)  
VCS 87102 (Oncology I)  
VCS 87104 (Clinical Investigation in Oncology II)  
VCS 87105 (Pet Practice) 6 weeks  
VCS 87202 (Small Animal General Surgery II)  
VCS 87203 (Small Animal Orthopedic/Neurosurgery II)  
VCS 87502 (Large Animal Medicine II-Mixed)  
VCS 87600 (Large Animal Surgery II)  
VCS 87700 (Large Animal Lameness)  
VCS 87800 (Swine Production Medicine I)  
VCS 87900 (Bovine Theriogenology and Production Medicine I)  
VCS 88000 (Ruminant Production Medicine I)  
VCS 88100 (Small Animal Medicine III)  
VCS 88300 (Clinical Investigation in Theriogenology)  
VCS 88600 (Large Animal Surgery III)  
VCS 89100 (Diagnostic Imaging)  
VCS 89101 (Veterinary Diagnostic Ultrasound)  
VCS 89400 (Comparative Ophthalmology I)  
VM 89000 (Adjunct Independent Study)  
VM 89100 (Off-Campus Block)

#### **Small Animal Track**

*Required courses: 10 blocks*

CPB 88501 (Necropsy)\*  
CPB 88502 (Microbiology)\*  
CPB 88503 (Clinical Pathology)\*  
VCS 86100 (Small Animal Medicine I)  
VCS 86202 (Small Animal Surgery-Orthopedic/Neurosurgery I)  
VCS 87100 (Small Animal Medicine II)  
VCS 88100 (Small Animal Medicine III)  
VCS 86201 (Small Animal General Surgery I)  
VCS 87201 (Clinical Veterinary Anesthesiology)  
VCS 89100 (Diagnostic Imaging)  
VM 81000 (Externship), 6 weeks

*Choose one:*

VCS 86300 (Small Animal Community Practice), 3 weeks

**VCS 87105** (Pet Practice), 6 weeks

*Choose one:*

**VCS 82100** (Neurology)

**VCS 87000** (Clinical Cardiology)

**VCS 87102** (Oncology I)

**VCS 89400** (Comparative Ophthalmology I)

*Electives: Choose three electives unless Small Animal Community Practice was chosen above. Choose two electives if Pet Practice was chosen.*

**CPB 88300** (Public Health)

**CPB 88400** (Laboratory Animal Medicine Clerkship)

**CPB 88600** (Diagnostic Pathology Clerkship)

**CPB 88700** (Avian Medicine Clerkship)

**CPB 88800** (Microbiology II Clerkship)

**CPB 88900** (Clinical Pathology II Clerkship)

**VCS 81900** (Small Animal Dentistry)

**VCS 82100** (Neurology)

**VCS 86300** (Small Animal Community Practice)

**VCS 87000** (Clinical Cardiology)

**VCS 87102** (Oncology I)

**VCS 87104** (Clinical Investigation in Oncology II)

**VCS 87105** (Pet Practice), 6 weeks

**VCS 87202** (Small Animal General Surgery II)

**VCS 87203** (Small Animal Surgery-Orthopedic/Neurosurgery II)

**VCS 88300** (Clinical Investigation in Theriogenology)

**VCS 89101** (Veterinary Diagnostic Ultrasound)

**VCS 89400** (Comparative Ophthalmology I)

**VM 89000** (Adjunct Independent Study)

**VM 89100** (Off-Campus Block)

*\* CPB 88501, 88502 and 88503 are taken concurrently in a single block.*

### **3 + 1 Programs**

It is possible to earn both Bachelor of Science and Doctor of Veterinary Medicine degrees in seven years. This combined program includes three years of preprofessional courses in either the College of Agriculture or the College of Science and four years in the D.V.M. program.

Students can earn a baccalaureate degree in interdisciplinary agriculture or animal science by completing a minimum of 100 preprofessional credits, including the required preprofessional courses and additional courses as specified by the appropriate undergraduate degree curriculum. The Bachelor of Science degree will be awarded by the College of Agriculture upon successful completion of the initial year of the Doctor of Veterinary Medicine degree program.

A similar arrangement is possible if you wish to pursue a B.S. in Biological Sciences degree while completing preprofessional course requirements. Core course requirements of the Department of Biological Sciences can be completed in three years while satisfying preprofessional requirements to establish

eligibility to apply for admission to the professional degree curriculum. The B.S. degree in Science will be awarded after you have successfully completed the first year of veterinary medical study.

If you are interested in pursuing one of the 3 + 1 programs, you are advised to consult with your academic advisor as early in your program as possible.

## **Professional Program Graduation Requirements**

Students enrolled in the professional degree program in the School of Veterinary Medicine will become candidates for the degree of Doctor of Veterinary Medicine (D.V.M.) with approval of the faculty when they have successfully completed (1) the preveterinary curriculum and (2) the professional curriculum.

## **Legal Requirements for Practice in the United States**

Before you can practice veterinary medicine in the United States, you must obtain a license from the state or states in which you intend to practice. The license generally is issued by the Health Professions Bureau on the basis of an examination established by a veterinary licensing and registration board, including both a national board exam and a state exam. Some states issue licenses by reciprocity when the applicant has been licensed in other states.

In order to participate in the State-Federal Cooperative Animal Disease Control and Eradication programs, a veterinarian also must be federally accredited by the U.S. Department of Agriculture.

## **Graduate Study**

The College of Veterinary Medicine offers graduate study leading to the degree of Master of Science with majors in the departments of Basic Medical Sciences, Veterinary Pathobiology and Veterinary Clinical Sciences. The departments of Basic Medical Sciences and Veterinary Pathobiology also offer the Doctor of Philosophy degree. At Purdue, research opportunities exist in many phases of veterinary medicine.

Research and teaching assistantships and fellowships are available for a limited number of graduate students in allied fields. Graduate students who are candidates for degrees from this school must be graduates of an approved veterinary college or have had equivalent training in basic medical sciences and must qualify to carry advanced courses. Graduates in other fields may be accepted with the approval of the appropriate department head if they have had sufficient training in biological sciences. Prospective graduate students can obtain more detailed information on the [Graduate School](http://www.gradschool.purdue.edu/) (www.gradschool.purdue.edu/) website.

Clinical training programs are available in the Department of Veterinary Clinical Sciences. Those interested in more details about these programs should write directly to the head of the department.

Students in the professional degree program can simultaneously work toward a graduate degree. They can apply for admission to graduate school at any time and must be approved by a department head and accepted by the Graduate School. When dually enrolled, they can take graduate-level courses while completing the requirements for the D.V.M. degree.

## **Veterinary Technology Program**

### **Curricula**

This unique program uses one four-year curriculum with Associate of Science and Bachelor of Science options. Students wanting only the associate's degree, or who have previously completed the general education college courses found in Year 2 of the bachelor's degree, begin the clinical portion of the curriculum.

Although any student can compete for a start in the Year 2 associate's degree program, high school students or those without any college experience are strongly advised to apply for the first year of the B.S. degree program so they can obtain the general education credits and develop college-level study skills prior to entering the intensive clinical portion of the curriculum. The student who completes the first year of the B.S. degree program but wishes to stop after completing the associate's degree would complete the curriculum in 3 years (1-year B.S. general education and 2-year associate's degree curriculum).

For significant details, see the [veterinary technology website](http://www.vet.purdue.edu/vettech/) (www.vet.purdue.edu/vettech/).

## Careers

As part of the veterinary team, registered veterinary technicians (A.S. degree) perform a wide range of veterinary nursing, imaging, anesthesia, dental hygiene and diagnostic laboratory procedures in the practice setting.

Veterinary technologists (B.S. degree veterinary technicians) add organizational skills and case/project management to their technical abilities. Possible career tracks for technologists include animal behavior counselors, specialty practice technologists, clinic/hospital team leaders, veterinary technology program educators, pharmaceutical sales and animal housing directors.

Careers in the credentialed veterinary technician field require maintaining continuing education according to state regulations. Information about continuing education programs are available to graduates through Purdue Veterinary Medicine's Office of Lifelong Learning.

The A.S. and B.S. plans of study in veterinary technology are not intended to meet the requirements for application to veterinary school to become a veterinarian. Students should pursue a preveterinary program until choosing his or her career in veterinary medicine.

Information about admission for beginning and transfer students — including application deadlines — is available at [www.vet.purdue.edu/vettech/OnCampus/ProspectiveStudents.html](http://www.vet.purdue.edu/vettech/OnCampus/ProspectiveStudents.html).



## Four-Year Baccalaureate Degree Curriculum

### Integrated Veterinary Technology Four-Year Baccalaureate Curriculum

**Credit Hours Required for Graduation: 128**

#### Freshman Year

##### First Semester

- (3) **ANSC 10200** (Introduction to Animal Science)\*
- (4) **BIOL 11000** (Fundamentals of Biology I)
- (3) **CHM 11100** (General Chemistry)
- (3) **ENGL 10600** (First-Year Composition) or **ENGL 10800** (Accelerated First-Year Composition)\*
- (3) **MA 15300** (Algebra and Trigonometry I)
- (1) **VM 14000** (Introduction to Veterinary Technology)\*
- (17)

##### Second Semester

- (4) **BIOL 11100** (Fundamentals of Biology II)
- (3) **CHM 112000** (General Chemistry)
- (3) **COM 11400** (Fundamentals of Speech Communication)
- (3) **MA 15400** (Algebra and Trigonometry II)
- (2) Humanities elective, 10000-level course\*
- (15)

#### Sophomore Year

##### Third Semester

- (4) **BMS 23100** (Anatomy for Veterinary Technicians)\*
- (2) **BMS 23200** (Physiology for Veterinary Technicians)\*
- (4) **VCS 22100** (Veterinary Nursing Techniques for the Normal Animal (Small Animal and Large Animal)\*
- (0.5) **VCS 25100** (Introduction to Imaging)
- (0.5) **VCS 22100** (Dentistry)
- (1) **VCS 22300** (Surgical Nursing) or Protocols
- (1) **VM 24100** (Safety, Prevention and Public Health)\*
- (1) **VM 24200** (Integrations I)\*
- (1) **VM 24300** (Clinic Rotations I), Monday\* (15.5)

##### Fourth Semester

- (0.5) **BMS 23300** (Introduction to Pharmacology for Veterinary Technicians)
- (1) **BMS 23400** (Clinical Physiology)\*
- (4) **CPB 25500** (Clinical Pathology)\*
- (2) **VCS 22400** (Small Animal Nursing I)\*
- (2) **VCS 22500** (Large Animal Nursing I)\*
- (2) **VCS 22600** (Principles of Anesthesia)
- (1) **VCS 22800** (Small Animal and Large Animal Well Animal Nutrition)\*
- (2) **VCS 25200** (Imaging for Veterinary Technicians)\*
- (1.5) **VM 24400** (Clinic Rotations II), Friday\* (16)

## Summer

(3.5) **VM 24900** (Clinic Rotations III), M-F\*

Rotation is six weeks. Two sections: weeks 1-6 and weeks 10-15; vacation for nine weeks.

## Junior Year

### *Fifth Semester*

(1.5) **BMS 33100** (Pharmacology for Veterinary Technicians)\*  
(2) **VCS 32100** (Large Animal Nursing II)\*  
(2) **VCS 32200** (Small Animal Nursing II)\*  
(2) **VM 32300** (Laboratory Animals and Nursing of Non-Traditional Pets)\*  
(5) **VM 34300** (Clinic Rotations IV), T, W, Th\*  
(0-1) Veterinary technology electives†  
(13.5)

### *Sixth Semester*

(2) **CPB 35100** (Microbiology for Veterinary Technicians)\*  
(2) **CPB 35200** (Parasitology for Veterinary Technicians)\*  
(1) **VM 34200** (Integrations II)\*  
(5) **VM 34400** (Clinic Rotations V), T, W, Th\*  
(1.5) **VM 34500** (Management I)\*  
(0-1.5) Veterinary technology electives†  
(13)

## Summer

(4) **VM 34600** (Practicum)

Practicum is 12 weeks; vacation for 3 weeks.

## Senior Year

### *Seventh Semester*

(2) **BMS 43100** (Clinical Toxicology for Veterinary Technicians)  
(2) **CPB 44400** (Seminars on Animal Welfare)  
(3) **VCS 42200** (Diagnostic Instrumentation)  
(2) **VM 44300** (Clinic Rotations), Monday  
(1) **VM 44100** (Public Health and OSHA)  
(1.5) **VM 44200** (Management II)  
(0-3) General undergraduate electives†  
(14.5)

### *Eighth Semester*

(3) **ENG/COM** (Business or Technical Writing) **or** (1.5) **COM 32000** (Small Group Communication) **or** (2) **COM 32400** (Introduction to Organizational Communication)  
(2) **VCS 42300** (Applied Small Animal Behavior)  
(4) **VM 44500** (Senior Project)  
(0-4) Veterinary technology electives†  
(0-3) General undergraduate electives†  
(16)

\* *This course is required for an A.S. degree.*

† *B.S. degree must include 11.5 elective credits; six of those credits must be Veterinary Technology credits.*

## General Requirements for Associate of Science Degree

A minimum of 62 credit hours of veterinary technology courses must be taken in residence at the West Lafayette campus.

<b>Academic Category</b>	<b>Credit Hours</b>
Veterinary technology courses	62
English composition	3 or 4
Animal science	3
Elective	2
<b>Total</b>	<b>70 or 71</b>

## General Requirements for Baccalaureate Degree

A minimum of 32 senior-level credit hours is required in residence at the West Lafayette campus; however, a few Purdue University courses offered at campuses in the Purdue system may be included.

<b>Academic Category</b>	<b>Credit Hours Minimum</b>
Veterinary technology courses	<b>83.5</b>
Animal science	<b>3</b>
Chemistry	<b>6</b>
Electives selected to meet career goals	<b>4.5</b>
Biology	<b>8</b>
English and Communication	<b>9</b>
Humanities/Social science electives	<b>2</b>
Mathematics	<b>6</b>
Veterinary Technology electives	<b>6</b>
<b>Total</b>	<b>128</b>

## Baccalaureate Degree Completion Program for Graduate Veterinary Technicians

This program is designed to enable graduate veterinary technicians to become veterinary technologists. The Bachelor Completion Program builds upon college credits and the associate degree equivalent earned from an AVMA-accredited veterinary technician program. In total, 128 credit hours are required for the B.S. degree, including credits transferred from the degree obtained at an AVMA-accredited veterinary technology program. In order to graduate from Purdue under this program, transfer students must complete a minimum of 32 credit hours at 30000- to 40000-level courses at the Purdue University West Lafayette campus.

Although transfer students from other AVMA-accredited veterinary technician programs may be able to enter the Bachelor Completion Program at Purdue and earn a Bachelor of Science Degree in Veterinary Technology, limited class size necessitates a competitive admission process for the few available openings. If admitted, a course-by-course evaluation of transcripts from other programs will be completed to determine transfer credit that will be applied toward the degree.

For more information see the Veterinary Technology website, [www.vet.purdue.edu/vettech](http://www.vet.purdue.edu/vettech), or telephone 765-496-6579 for additional information.

## **Graduation Requirements**

Students enrolled in the Veterinary Technology Program in the College of Veterinary Medicine will become candidates for either the Associate of Science degree (A.S.) or the Bachelor of Science degree (B.S.) with approval of the faculty when they have successfully completed the prescribed curriculum.

## **Legal Requirements for Practice in the United States**

This program is fully accredited by the American Veterinary Medical Association. For purposes of registration as a veterinary technician, Indiana and most other states require that applicants for registration be graduates of an accredited veterinary technology program and have passed the Veterinary Technician National Examination. This registration qualifies the graduate to legally perform medical and surgical nursing, nurse-anesthetist duties, imaging, laboratory testing and dental hygiene on a veterinary team as a “Registered Veterinary Technician.” No additional legal requirements presently exist for veterinary technologists (B.S. degree); however, specialty certifications exist in many subspecialties. For further information, please visit [www.navta.net](http://www.navta.net).

## **Course Information**

Visit [https://selfservice.mypurdue.purdue.edu/prod/bwckctlg.p\\_disp\\_dyn\\_ctlg](https://selfservice.mypurdue.purdue.edu/prod/bwckctlg.p_disp_dyn_ctlg)

## **Contact Veterinary Medicine**

For information about undergraduate programs in the College of Veterinary Medicine contact:

Email: [vetadmissions@purdue.edu](mailto:vetadmissions@purdue.edu)

Phone: 765-494-7893