

College of Veterinary Medicine

College of Veterinary Medicine

Overview

Whatever your age there is something for you at Purdue Veterinary Medicine. Whether you are ready to pursue a veterinary technology degree or a Doctor of Veterinary Medicine degree, wanting to research a specific topic, or expanding your expertise, we have educational programs to assist you. Take a look around and let us know if you have any questions.

College of Veterinary Medicine

Veterinary Technology Program

Legal Requirements for Practice in the United States

Purdue University's Veterinary Technology 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 be graduates of an accredited veterinary technology program and have passed the Veterinary Technician National Exam (VTNE). As a Registered Veterinary Technician (RVT), the graduate is qualified to legally perform medical and surgical nursing, nurse-anesthetist duties, imaging, laboratory testing and dental hygiene as a member of a veterinary team. No additional legal requirements presently exist for veterinary technologists (BS degree-holders); however, specialty certifications are available in many subspecialties. For further information, see www.navta.net.

Admissions

Veterinary Technology - On-Campus

The Veterinary Technology program is a science based veterinary nursing program. We offer three degree options: Bachelor of Science degree, Associate of Applied Science degree and Bachelor of Science completion option, for graduates from AVMA accredited veterinary technology programs wishing to complete a Bachelor degree.

For all applicants:

The Purdue University Veterinary Technology Program is a competitive admissions program. For questions, please contact the Veterinary Technology Office at vettech@purdue.edu or by phone at 765-496-6579 to speak with an academic advisor.

Preparing for the Competitive Admissions Process

Admission is a competitive admissions process based on the following criteria:

- Academic ability (overall academic performance with emphasis on math and science grades, SAT/ACT scores, writing skills)
- Experience (animal care, veterinary health care exposure, general work experience)

- Evidence of self-motivation, self-determination, veterinary technology career awareness, leadership, and awareness of the VT Program
- Applicants must be 18 years of age prior to entering clinical courses.

Each VT Class contains 30 students. There is one class per year.

Minimum Admission Requirements

High School diploma or GED. A minimum of a C average grade index is required (high school and/or college), with a B average plus upper-third class rank preferred. All degree-seeking applicants must meet these course expectations either in high school or through subsequent college-level (not remedial) coursework. A semester of college coursework is equivalent to two semesters of high school. Click here to view admissions criteria.

For questions on admissions requirements and procedures, contact the Purdue University Office of Admissions.

Office of Admissions
Schleman Hall of Student Services
475 Stadium Mall Drive
West Lafayette, IN 47907-0544

admissions@purdue.edu
765-494-1776

Doctor of Veterinary Medicine (DVM)

Prospective Applicants:

Students interested in a veterinary medical education at Purdue must complete 2 - 3 years of required course work in order to be eligible to apply to our program. Required courses must be completed with a "C -" grade (1.7 on a 4.0 scale) or better in each course and applications must maintain a competitive cumulative grade point average. Applicants with questions regarding the available courses to meet pre-requisites offered at their undergraduate institution should email vetadmissions@purdue.edu for pre-requisite course determination. Applicants must have a cumulative GPA (including all course repeats) of no less than 3.00 to receive consideration.

Preparing for the Admissions Process

- Required courses and course descriptions (Pre-veterinary minimum course requirements)
- Evaluation criteria
- Combined Degree Program (combined DVM / MS or Ph.D. for research/academic careers)
- Transfer Admission Criteria
- Cost of a professional education
- Qualifying for Resident Tuition Status
- Prospective Student Frequently Asked Questions
- DVM Class of 2017 and 2018 admitted applicant statistics
- Student Laptop Program
- Veterinary Medical School Admissions Requirements (Assoc. of American Veterinary Medical Colleges)
- Veterinary Medical Colleges Application Service (VMCAS)

For more information about admittance to the Veterinary Technology Programs, please contact admission@purdue.edu.

Advising

Student Services

Thank you for visiting the web page for the Student Services Center of the Purdue University College of Veterinary Medicine. Our staff is available to assist you in many ways, so please feel free to contact us when needed. The role of the Student Services Center is to provide for recruitment, admissions, student life and career transition in the College of Veterinary Medicine. Whether you are a prospective student, a current student, or even an alum of our College, please feel free to contact our office and our staff will point you in the right direction.

Boiler up!

Dr. Jim Weisman
Director of Student Services

Admissions & Program Information

- DVM Program
- Veterinary Scholars Program
- On-campus Veterinary Technician Program
- Distance Veterinary Technician Program

Student Resources

- PVM Student Handbook
- Purdue University Regulations
- Student Housing
- PVM Student Organizations
- Purdue Veterinary Supplies Association (PVSA)
- Current student resources and forms

Contact Information

College of Veterinary Medicine
625 Harrison Street
West Lafayette, IN 47907
Phone: (765) 494-7607

Visiting College of Veterinary Medicine

College of Veterinary Medicine Administration

About the Veterinary Technology Program

Veterinary Technology Education

The Purdue Veterinary Technology program is fully accredited by the American Veterinary Medical Association (AVMA) and is a science based veterinary nursing program offering a Bachelors and Associate of Applied Science degrees.

As an integral part of the veterinary team, veterinary technicians and technologists perform a wide range of veterinary skills:

- Radiology
- Nursing care, including pre and post-surgical care
- Anesthesia
- Client education

While a majority of veterinary technicians and technologists enter the profession in private veterinary practice, there are many other employment opportunities with a Veterinary Technology degree:

- Humane Societies and animal control facilities
- Industry
- Biomedical Research
- Veterinary Supply Sales

Technicians credentialing (certification, licensure, or registration) is required in the majority of states in the United States. Candidates for credentialing must pass a national and/or state examination. Most states require that only graduates of Veterinary Technology programs accredited by the American Veterinary Medical Association (AVMA) are eligible to take the national credentialing exam and to become credentialed Veterinary Technicians.

Veterinary Medicine, DVM

About the Program

The veterinary profession is a diverse, exciting and rewarding occupation that allows for pursuits in a variety of fields including community health, food resource management, wildlife preservation, marine biology and many others. It allows you to take your passions and apply them to advance animal, and even human, health. If you are ready to explore what it takes to become a veterinarian, check out our DVM Program for requirements and additional information including an early admission program for high achieving high school seniors. Whether you are in high school, middle school or grade school, it's never too early see what drives you. For high school and middle school students interested in a week long summer camp to experience the world of veterinary medicine, we host Boiler Vet Camp every summer.

Program Requirements

Fall 1st Year

BMS 80100 - Comparative Anatomy I

Credit Hours: 3.50. Mammalian body systems and topographic relationships of carnivores using the canine and feline species as the basic model for dissection. Typically offered Fall Summer.

BMS 80700 - Principles Of Cell And Tissue Design I

Credit Hours: 3.00. Structural and molecular basis of cellular processes, which are the foundation of fertilization, embryogenesis, histogenesis, and basic tissue specialization in domesticated animals. Structure and function of macromolecules and organelles, which mediate signal transduction and differentiation. The principles and concepts derived are applied to the study of the musculoskeletal, defense, respiratory, and circulatory systems, as models of signal transduction, differentiation, and integration within a whole animal. Typically offered Fall Summer.

BMS 81100 - Systemic Mammalian Physiology I

Credit Hours: 3.00. General physiological processes of mammals with special emphasis on domestic animals; normal interactions between large populations of cells, organs, organ systems, and integrated functions of an entire animal. Homeostatic mechanisms, physiology of body fluids and blood formed elements, muscle, and digestive systems. Typically offered Fall Summer.

BMS 81500 - Veterinary Neuroscience

Credit Hours: 2.00. Provides an introduction to neuroscience and its diagnostic application in veterinary medicine. Students will acquire terminology describing the anatomy and basic physiology that characterize neural systems. Integration of function/structure relationships are introduced in lectures, laboratories, by reference to case studies, and by problem solving. Typically offered Fall Summer.

VCS 80100 - Behavior, Husbandry, And Diagnostic Techniques I

Credit Hours: 1.50. Introduction to behavior, husbandry, and diagnostic techniques of domesticated animals. Behavioral patterns and methods of management of various breeds of companion animals and animals used in the production of food, fiber, and feathers; restraint techniques, methods of collecting samples for diagnostic purposes, and methods of medication appropriate to a given species; concepts of population and production medicine and the importance of regulatory medicine. Typically offered Fall.

VCS 80400 - Behavior In Domestic Animals

Credit Hours: 1.00. Instruction in basic principles of behavior; factors determining normal and abnormal behavior; and the different types of learning. The main domestic species will be characterized in terms of their normal behavior with which behavior problems are most important in the different species. Typically offered Fall Summer.

VM 82000 - Applications And Integrations I

Credit Hours: 3.00. Small group tutorial, problem-oriented approach to understanding how basic science concepts are integrated into clinical aspects of veterinary medicine. Students are expected to identify learning issues, resolve identified gaps in their knowledge base, integrate information across disciplines, and practice/develop problem-solving skills using simulated case materials and research problems. Evaluation of students will be based upon, but not limited to, tutorial group evaluation, peer evaluation, self-evaluation, and a comprehensive content and process examination. Typically offered Fall.

VM 89200 - Principles Of Professionalism, Jurisprudence, And Ethics

Credit Hours: 1.00. Presentation/discussion format dealing with a broad spectrum of ethical, legal, and professional issues that impact the veterinary profession. Students are challenged to analyze the role they play as responsible members of the veterinary professional community. Typically offered Fall Summer.

VM 82500 - Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the school together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring.

VM 80900 - International Veterinary Medicine

Credit Hours: 0.5. The course will consist of eight lectures addressing international aspects of the following topics: zoonotic diseases, food hygiene, biosecurity, animal welfare, animal husbandry, infectious diseases, cultural competence, veterinary medical education, and role of international organizations in animal health. Participating students will be required to choose an internationally relevant topic of interest to research. The last session of the course will be a poster session in which each student will present and discuss a poster. The posters will be evaluated by a panel of 3-4 faculty members and a grade assessed. Permission of Department required. Typically offered Spring.

BMS 81900 - Endocrine And Neural Basis Of Seasonal Activities Of Birds And Mammals In The Wild

Credit Hours: 1.00. This one-credit elective course will be offered to first and second year veterinary students annually (third year students may also take it). The course will explore the physiological basis of seasonal activities of mammals and birds in the wild. An emphasis will be placed on the neural and endocrine changes that are associated with the seasonal and cyclical activities including breeding, hibernation, migration, etc. Typically offered Spring Summer.

19.5 Credits

Spring 1st Year

BMS 80200 - Comparative Anatomy II

Credit Hours: 3.00. Body systems and the topographic relationships of the major domestic species using the basic canine model as the basic model for dissection. Typically offered Spring Summer.

BMS 80800 - Principles Of Cell And Tissue Design II

Credit Hours: 3.00. Continuation of BMS 80700. Structural and molecular basis of cellular processes that are the foundation of fertilization, embryogenesis, histogenesis, and basic tissue specialization in domesticated animals. Structure and function of macromolecules and organelles that mediate signal transduction, differentiation, and integration within a whole animal. Typically offered Spring Summer.

BMS 81200 - Systemic Mammalian Physiology II

Credit Hours: 4.00. Comparative mammalian (domesticated and human) physiology, with emphasis upon principles, concepts, and mechanisms of the cardiovascular, respiratory, renal, endocrine, and reproductive systems. Typically offered Spring Summer.

BMS 81300 - Principles Of Pharmacology

Credit Hours: 1.50. Introduction to pharmacokinetics and pharmacodynamics, ethical dimensions of drug use in veterinary medicine, and drug categories that integrate well with other first-year subjects (e.g., drugs that alter endocrine/reproductive function). Emphasis is placed on general principles and prototypical drugs. Typically offered Spring Summer.

CPB 85300 - Principles Of Veterinary Immunology

Credit Hours: 2.00. An overview of the fundamental concepts of immunology, with an emphasis on the immune system of domestic animals and comparative immunology. Focuses on the interactions between the host and microbial pathogens and on mechanisms that underlie hypersensitivity reactions, autoimmune diseases, and immune deficiencies. Discusses the principles of vaccination and serologic tests. Typically offered Spring Summer.

VCS 80200 - Behavior, Husbandry, And Diagnostic Techniques II

Credit Hours: 1.50. A continuation of VCS 80100. Intermediate studies of behavior, husbandry, and diagnostic techniques. Behavioral patterns and methods of management of various breeds of companion animals and animals used in the production of food, fiber, and feathers; restraint techniques, methods of collecting samples for diagnostic purposes, and methods of medication appropriate to a given species; concepts of population and production medicine and the importance of regulatory medicine. Typically offered Spring.

VM 83000 - Applications And Integrations II

Credit Hours: 3.00. Small group tutorial, problem-oriented approach to understanding how basic science concepts are integrated into clinical aspects of veterinary medicine. Students are expected to identify learning issues, resolve identified gaps in their knowledge base, integrate information across disciplines, and practice/develop problem-solving skills using simulated case materials and research problems at a higher level of performance than in VM 82000. Evaluation of students will be based upon,

but not limited to, tutorial group evaluation, peer evaluation, self-evaluation, and a comprehensive content and process examination that will include material from VM 82000. Typically offered Spring.

VM 82500 - Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the school together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring.

VM 86000 - Early Origins Of Veterinary Medicine Seminar

Credit Hours: 1.00. Students will study the very early origins of man's fascination with animals from the Paleolithic era, and the roots of veterinary medicine in Mesopotamia, Ancient Egypt, and East and South Asia. Particular attention will be paid to works of art that help demonstrate man's fascination with animals and their well-being. This course is appropriate for students with no previous study of history or art history. Typically offered Fall Spring.

BMS 52800 - Avian Physiology

Credit Hours: 2.00. (ANSC 53500) A study of the basic principles of physiology and functional anatomy of birds. Topics include the following systems: muscular, nervous, cardiovascular, respiratory, digestive, lymphoid, endocrine, and reproductive. Typically offered Spring.

21 Credits

Fall 2nd Year

BMS 81400 - Basic And Applied Pharmacology I

Credit Hours: 3.00. BMS 81400 follows BMS 81300 and includes the study of drugs with actions related to the nervous system and the immune system at large, anticancer drugs, antiviral drugs, and drugs targeted to organ specific pathologies - e.g. cardiac, intestinal, pulmonary, and renal pathologies. Typically offered Fall Summer.

CPB 85100 - General Pathology

Credit Hours: 3.00. An overview of the basic cellular reactions that develop in response to injurious agents. Focuses on the gross and microscopic alterations in tissues, events leading to the development of those alterations, and the consequences of those changes on the health of animals. Includes degenerative, necrotic, inflammatory, and neoplastic changes in various animal species. Typically offered Fall Summer.

CPB 85203 - Veterinary Parasitology

Credit Hours: 3.50. This course will provide an introduction to parasites of animal health importance. Specifically, this course covers the important helminth, protozoal and arthropod diseases of animals with emphasis placed on the pathogenesis, epidemiology, clinical features, diagnosis, control and zoonotic implications. This course will also cover the principles and practice of laboratory tests for detection of parasitic infections and identification of important parasites. Typically offered Fall Spring Summer.

CPB 85500 - Veterinary Hematology And Cytology

Credit Hours: 2.00. Provides an overview of veterinary hematology and cytology. Normal morphology and function of the cells of the hematopoietic system are reviewed. Laboratory analyses of the different cell types are discussed. The responses of the hematopoietic cells that can be seen during different disease processes are presented. Fundamentals of veterinary diagnostic cytology are introduced. Typically offered Spring Summer.

CPB 85602 - Veterinary Bacteriology And Mycology

Credit Hours: 4.00. The lecture portion provides an introduction to bacterial and fungal agents of animal diseases. The taxonomy, morphology, and physiology of the organisms are discussed. Pathogenic features of the infectious agents and host responses to infection will be emphasized. Epidemiology, diagnosis, and control of the various diseases will be presented. The laboratory portion of the course covers laboratory safety, sterilization and disinfection in addition to microbiological techniques, antimicrobial susceptibility testing and interpretation, and identification of cultured bacteria and dermatophytes. Typically offered Fall Summer.

VM 84000 - Applications And Integrations III

Credit Hours: 3.00. Small group tutorial, problem-oriented approach to understanding how basic science concepts are integrated into clinical aspects of veterinary medicine. Students are expected to identify learning issues, resolve identified gaps in their knowledge base, integrate information across disciplines, and practice/develop problem-solving skills using simulated case materials and research problems at a higher level of performance than in VM 83000. Evaluation of students will be based upon, but not limited to, tutorial group evaluation, peer evaluation, self-evaluation, and a comprehensive content and process examination that will include material from the two previous semesters of this course. Typically offered Fall.

VM 82500 - Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the school together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring.

VCS 89200 - Veterinary Forensic Medicine

Credit Hours: 1.00. Advanced study in the field of animal health and practice of veterinary medicine. Must have completed semesters 1 and 2 of the DVM curriculum. Typically offered Fall Spring Summer.

VCS 89300 - Shelter Animal Medicine

Credit Hours: 1.00. The Shelter Animal medicine course will be offered to second and third year veterinary students. The course will cover topics essential to understanding the complexity of population medicine in a shelter environment and related welfare issues. Topics to be covered include animal shelter models (no-kill/adoption guarantee, tradition, etc.), population medicine and disease control as it relates to the environment and the animals, critical care in a shelter environment, foster care, neonatal care of shelter animals, population statistics, animal behavior and relinquishment issues, abuse and cruelty, legal and ethical issues, euthanasia, and developing and implementing animal disaster plans. Typically offered Spring Summer.

VM 86600 - Pathogenic Bacteria, Viruses, Mayhew, Darwin, And Mendel

Credit Hours: 1.00. Students will study the golden age of pathogenic bacteriology from the 1860s to the end of the nineteenth century; the discovery of viruses; the development of immunological products; intractable vector-borne hemoprotozoal parasitic diseases; horse-doctoring in the nineteenth century; care of animals used in transport, war and sport; and will conclude with Darwin's natural selection and Mendel's fractional inheritance. Particular attention will be paid to works that help demonstrate man's fascination with animals and their well-being. This course is appropriate for students with no previous study of history or art history. Typically offered Fall Spring.

VM 87000 - History Of Veterinary Medicine From The Ancient Greeks Through The Renaissance Seminar

Credit Hours: 1.00. The students will study the contributions of the ancient Greeks and Romans to the development of animal doctors. The veterinary highpoint during the Byzantine Empire and Arabian medical and veterinary progress will also be studied. Animals in the Dark Ages, equine and canine medicine in Medieval Europe, and the Italian roots of the Renaissance in medical sciences will be studied. Particular attention will be paid to works of art that help demonstrate man's fascination with animals and their well-being. This course is appropriate for students with no previous study of history or art history. Typically offered Fall.

22.5 Credits

Spring 2nd Year

BMS 81800 - Basic And Applied Pharmacology II And Principles Of Toxicology

Credit Hours: 2.00. A continuation of BMS 81400. Includes the study of drugs with actions related to the nervous system, and chemotherapeutic agents (including antibacterial, antifungal, and antiparasitic drugs). Principles of toxicology are introduced. Typically offered Spring Summer.

CPB 85400 - Principles Of Epidemiology

Credit Hours: 1.00. An introduction to the principles of epidemiology as it relates to evaluating and describing the health of human and animal populations. An emphasis is placed on the appropriate use by veterinarians of information derived from epidemiologic studies in making clinical decisions regarding the diagnosis, treatment, prognosis, and prevention of disease in individual patients. A goal is to demonstrate why epidemiology is considered by some as "a basic science for clinicians.". Typically offered Spring Summer.

CPB 85700 - Veterinary Systemic Pathobiology

Credit Hours: 5.00. Provides coverage of system specific pathologic terminology and characteristic pathologic responses of the various body systems to injury. This is followed by presentation of representative examples of diseases of various etiologies, including, but not limited to, infectious and noninfectious diseases. Typically offered Spring, Summer.

CPB 86000 - Veterinary Virology

Credit Hours: 3.00. Principles of medical virology and discussions of important viral diseases of animals. Typically offered Fall Summer.

CPB 86100 - Veterinary Clinical Chemistry

Credit Hours: 2.00. Laboratory techniques and interpretation of laboratory data as profiled by organ system are presented. Integration of data to explain pathophysiologic changes as an aid to diagnosis, prognosis and progression of disease is emphasized. Typically offered Spring Summer.

VCS 80300 - Behavior, Husbandry, And Diagnostic Techniques III

Credit Hours: 1.00. A continuation of VCS 80200. Behavior, husbandry, and diagnostic techniques related to preventive medicine and production systems of domesticated animals. Behavioral patterns and methods of management of various breeds of companion animals and animals used in the production of food, fiber, and feathers; restraint techniques, methods of collecting samples for diagnostic purposes, and methods of medication appropriate to a given species; concepts of population and production medicine and the importance of regulatory medicine. Typically offered Spring.

VM 85000 - Applications and Integrations IV

Credit Hours: 2.00. Small group tutorial, problem-oriented approach to understanding how basic science concepts are integrated into clinical aspects of veterinary medicine. Students are expected to identify learning issues, resolve identified gaps in their knowledge base, integrate information across disciplines, and practice/develop problem-solving skills using simulated case materials and research problems at a higher level of performance than in VM 82000, VM 83000, and VM 84000. Evaluation of

students will be based upon, but not limited to, tutorial group evaluation, peer evaluation, self-evaluation, and a comprehensive content and process examination that will include material from VM 82000, VM 83000, and VM 84000. The final examination will contain an oral component. Typically offered Spring.

VM 82500 - Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the school together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring.

VM 86000 - Early Origins Of Veterinary Medicine Seminar

Credit Hours: 1.00. Students will study the very early origins of man's fascination with animals from the Paleolithic era, and the roots of veterinary medicine in Mesopotamia, Ancient Egypt, and East and South Asia. Particular attention will be paid to works of art that help demonstrate man's fascination with animals and their well-being. This course is appropriate for students with no previous study of history or art history. Typically offered Fall Spring.

VM 86500 - History Of Veterinary Medicine From Marshals, Horse Doctors, Cow Leeches, The First Schools Of VM

Credit Hours: 1.00. The students will study the history of marshals, horse doctors, cow leeches, and authors, an emphasis on the launching of European veterinary education with a rationale for a veterinary profession, and the history of the first official schools of veterinary medicine in France (Lyon and Alfort), concluding with the history of the increasing demand for veterinary schools. Particular attention will be paid to works that help demonstrate man's fascination with animals and their well-being. This course is appropriate for students with no previous study of history or art history. Special note: This syllabus and course schedule is subject to revisions as needed throughout the semester. Students will be given advance notice of any change. Typically offered Fall.

VM 86700 - Veterinary Medicine Comes Of Age

Credit Hours: 1.00. Students will study early veterinary contributions to biomedical science; how livestock production was enhanced by veterinary specialists; companion animal medicine; bioethics, animal experimentation, and sentience; overcoming the exclusion of women, and the evolving spectrum of opportunity in veterinary careers. Particular attention will be paid to works that help demonstrate man's fascination with animals and their well-being. This course is appropriate for students with no previous study of history or art history. Typically offered Fall Spring.

19 Credits

Year 3

- Core/elective approach

- Courses organized along species lines
- Core courses
 - required for all tracks
 - cover all major domestic species and all major disciplines
- Core - selection required courses
 - student must take a minimum number of credits in the discipline but can choose the species focus
- Electives
 - chosen based on track and student's career goals
 - choices made in consultation with faculty advisor

Fall Semester

Core Courses:

VCS 80600 - Small Animal Medicine And Surgery I

Credit Hours: 3.50. An overview of clinical approach to common medical and surgical diseases of dogs and cats. A systems approach is used to teach the major concepts of diseases affecting each body system. The focus is on diagnosis and treatment of common diseases encountered in small animal clinical practice. Typically offered Fall Summer.

VCS 80800 - Equine Medicine And Surgery

Credit Hours: 2.50. Diagnostic methods and prevention, control, and treatment regimens for common diseases affecting horses. Issues related to diseases of regulatory importance (epidemic and exotic) are discussed. Students also learn about surgical correction of selected problems and elective surgical procedures. Typically offered Fall Summer.

VCS 80900 - Ruminant Medicine And Surgery

Credit Hours: 2.00. Diagnostic methods and prevention, control, and treatment regimens for common diseases affecting ruminants. Issues related to food quality assurance and safety, and diseases of regulatory importance (epidemic and exotic). Surgical correction of selected problems and elective surgical procedures. Typically offered Fall Summer.

VCS 81000 - Swine Production Medicine

Credit Hours: 1.00. Diagnostic methods and prevention, control, and treatment regimens for common diseases affecting swine. Issues related to food quality assurance and safety and diseases of regulatory importance (epidemic and exotic) are discussed. Typically offered Fall Summer.

VCS 81100 - General Surgery Laboratory

Credit Hours: 1.00. Introduction to basic skills in surgery and anesthesia. Models are used to learn basic skills of instrument use, tissue handling, dissection, and suturing. Students will progress to common anesthetic and surgical procedures on live and cadaver animals. Typically offered Fall.

VCS 81200 - Principles Of Anesthesia, Surgery, And Emergency Medicine

Credit Hours: 2.00. Introduction to basic principles of anesthesiology and surgical practice. The principles of aseptic technique, operating room protocol, tissue handling, hemostasis, and wound repair. Principles of emergency medicine, including shock therapy, fluid therapy, and trauma management. Typically offered Fall Summer.

VCS 81300 - Diagnostic Imaging

Credit Hours: 1.00. In the first half of the core diagnostic imaging course, emphasis is on how images are made using current technology. Although radiography is emphasized, imaging modalities such as ultrasonography, computed tomography, magnetic resonance imaging, scintigraphy, and thermography are discussed. In the second half of the course, types of lesions that can be observed in large and small animals with the various imaging modalities are explained. The course is offered once annually, and its successful completion is required for any of the elective courses offered by Diagnostic Imaging. Typically offered Fall Summer.

VCS 81400 - Comparative Theriogenology

Credit Hours: 1.00. Basic aspects of reproduction in large and small animals, including obstetrics and genital diseases, on a single animal or group basis are covered. Typically offered Fall Summer.

VCS 81500 - Ophthalmology

Credit Hours: 1.00. Introduction to veterinary comparative ophthalmology. Covers the diagnosis, pathophysiology, and treatment of the ocular diseases commonly seen in food and companion animal species. Typically offered Fall Summer.

VM 89500 - Clinical Applications

Credit Hours: 2.00. Introduction to the Veterinary Teaching Hospital (VTH) and the Animal Disease Diagnostic Laboratory. Students rotate through various sections of the VTH and participate in the evaluation and management of patients. Problem-solving skills and application of material from the basic sciences are emphasized. Typically offered Fall.

VM 82500 - Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the school together, focused around their common interest in

veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring.

17 Credits

Spring Semester

Core Courses:

VCS 80700 - Small Animal Medicine And Surgery II

Credit Hours: 2.00. An overview of clinical approach to common medical and surgical diseases of dogs and cats. A systems approach is used to teach the major concepts of disease affecting each body system. The focus is on diagnosis and treatment of common diseases encountered in small animal clinical practice. Typically offered Spring Summer.

VCS 81700 - Achieving Success In Private Practice

Credit Hours: 1.50. Provides a foundation for the application of practice management principles. Focuses on operations management, financial management, human resource management, and marketing management. Typically offered Spring Summer.

CPB 86900 - Veterinary Public Health And Zoonoses

Credit Hours: 2.00. A survey of fundamental topics on diseases that are caused by viral, bacterial, rickettsial, and parasitic agents and are known to be transmissible from animals to humans, as well as those diseases that are common to humans and animals. Topics emphasize the epidemiology and methods for prevention and control of these diseases in animal and human populations. Food safety and foodborne diseases, with particular emphasis on foods of animal origin, are discussed. Risk assessment of occupational and environmental health conditions to which veterinarians are likely to be exposed in training or the work place also is covered. Typically offered Spring Summer.

VM 82500 - Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the school together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring.

VCS 82400 - Small Animal Theriogenology

Credit Hours: 0.50. All aspects of small animal reproduction (in detail), including obstetrics and genital diseases, on a single animal or group basis, are covered. Typically offered Spring Summer.

VCS 82500 - Ruminant Theriogenology

Credit Hours: 1.00. All aspects of ruminant reproduction are covered, including obstetrics and genital diseases on a single animal or group basis. Typically offered Spring Summer.

VCS 82600 - Equine Theriogenology

Credit Hours: 0.50. Covers all aspects of equine reproduction (in detail), including obstetrics and genital diseases, on a single animal or group basis. Typically offered Spring Summer.

VCS 82700 - Small Animal Imaging

Credit Hours: 2.00. A continuation of VCS 81300. Specific diseases of small animals where imaging is part of the diagnosis are discussed. Emphasis is on radiography and ultrasonography. The use of alternate imaging modalities is discussed where appropriate. Typically offered Spring Summer.

VCS 82900 - Equine Imaging

Credit Hours: 1.00. A continuation of VCS 81300. Specific diseases of horses where imaging is part of the diagnosis are discussed. Emphasis is on radiography and ultrasonography. The use of alternate imaging modalities is discussed where appropriate. Typically offered Spring Summer.

- Surgery Laboratory 1 course - Credit Hours: 0.5
- Surgery Laboratory 1 course - Credit Hours: 0.5
- Elective - Track-specific - Credit Hours: 12.5

Year 4

See Academic Advisor: The fourth year consists entirely of clinical rotations. There are no didactic courses in the fourth year. The fourth year begins the Monday following semester 6 final examinations and continues for a full 12 months.

The fourth year curriculum is determined by the student's track. Track selection occurs during semester 5 while selecting electives for semester 6. The track chosen determines the required and elective blocks for the fourth year. There are **seven tracks**:

1. Equine track
2. Food animal track
3. Small animal track

4. Companion animal track (horses and small animals)
5. Large animal track (horses and food animals)
6. Mixed animal track (all species)
7. Non-practice track (for individuals targeting a career in industry or research)

Critical Course

The ♦ course is considered critical. A Critical Course is one that a student must be able to pass to persist and succeed in a particular major.

Veterinary Technician, AAS

About the Program

Associate in Applied Science Degree

West Lafayette Campus

Curricula

This unique program combines one four-year curriculum with an Associate in Applied Science (AAS) and Bachelor of Science (BS) options. Students wanting only the Associate degree, or who have previously completed the general education college courses found in Year One of the bachelor's degree, begin in the clinical portion, or Year Two, of the program.

Although any student can compete to start in the Year Two associate degree program, high school students, or those without any college experience, are strongly advised to apply for the first year of the BS degree program. This allows students to obtain a science, math and general education background 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 BS degree program but wishes to stop after completing the associate degree would complete the curriculum in three years (The first year of general education and two years, including two summers, of associate degree curriculum).

For more information, see the Veterinary Technology website (<https://vet.purdue.edu/vettech/>)

Careers

As part of the veterinary team, registered veterinary technicians with an AAS degree perform a wide range of veterinary nursing, imaging, anesthesia, dental hygiene and diagnostic laboratory procedures in the practice setting.

Veterinary technologists (BS degree) 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, wildlife rehabilitation, zoo and shelter medicine.

Credentialed veterinary technicians are required to maintain continuing education according to state regulations. Information about continuing education programs is available through the Purdue University College of Veterinary Medicine's Office of Lifelong Learning.

The AAS and BS plans of study in veterinary technology are not intended to meet the requirements for application to veterinary school to become a Doctor of Veterinary Medicine (DVM).

Degree Requirements and Supplemental Information

The full Program Requirements for 2016-17 Veterinary Tech - AAS include all Supplemental Information and selective lists of those categories which a student must fulfill in order to earn their degree. These are intended to be printer-friendly, but include less descriptive course detail.

Please see below for program requirements and the necessary degree fulfillments.

V - AAS
VETT
70 Credits

Departmental/Program Major Courses (63.5 cr.)

Courses must be taken in specific order

VM 14000 - Introduction To Veterinary Technology

Credit Hours: 1.00. This course provides an orientation to the profession of Veterinary Technology. Typically offered Fall.

BMS 23100 - Anatomy For Veterinary Technicians

Credit Hours: 4.00. Gross and microscopic study of body systems and topographic relationships in major animal species. Laboratory consists of dissection as well as study of living animals. Typically offered Fall.

BMS 23200 - Physiology For Veterinary Technicians

Credit Hours: 2.00. Basic mammalian physiology, which covers general physiological processes with emphasis on domestic animals. Laboratory experiences and demonstrations form a major part of the laboratory instruction. Typically offered Fall.

VCS 22100 - Veterinary Nursing Techniques For The Normal Animal (SA & LA)

Credit Hours: 4.00. The course will introduce the students to concepts related to normal, healthy large and small animal patients. The course includes both lecture and laboratory components. Typically offered Fall.

VM 24100 - Safety, Prevention And Public Health

Credit Hours: 1.00. This course will cover selected zoonotic diseases, occupational hazards and safety issues, related to the veterinary health care team and veterinary facility. Typically offered Fall.

VM 24300 - Clinic Rotations I

Credit Hours: 1.50. This course will provide the basic learning situations for developing the techniques required of veterinary technicians in pharmacy, radiology, surgery, medical nursing, and ancillary areas. Total clinic hours 9/week. Typically offered Fall.

VCS 25100 - Introduction To Diagnostic Imaging For The Veterinary Technician

Credit Hours: 0.50. This course is an introduction to veterinary diagnostic imaging and is designed to instruct the veterinary technician student in the basic principles of imaging, necessary to perform imaging tasks within a veterinary hospital. This course will introduce the fundamentals needed in the clinical imaging rotations and in practice. Typically offered Fall.

VCS 22200 - Dentistry For The Veterinary Technician

Credit Hours: 0.50. This course is an introduction to veterinary dentistry for the technician, with emphasis on basic dental anatomy, pathologies and treatments, dental charting, intraoral radiography, dental cleaning and periodontal disease management. Typically offered Fall.

VCS 22300 - Surgical Nursing And Operating Room Protocols

Credit Hours: 1.00. This course is an introduction to the surgical environment and all aspects related to the principles of asepsis and the practice of sterile technique. Students will learn using a variety of teaching modalities (lecture, group work, laboratory experience). Typically offered Fall.

VM 42500 - Veterinary Technician Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the college together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring Summer.

VM 25100 - Medical Math And Terminology For Veterinary Technicians

Credit Hours: 0.50. This course will introduce students to fundamental medical terminology and basic math and dosage calculations commonly used in veterinary medicine. The course includes both classroom and on-line components. Typically offered Fall.

VCS 22400 - Small Animal Nursing I

Credit Hours: 2.00. This course will introduce students to nursing and diagnostic techniques for small animals and the body's response to disease. Typically offered Spring.

VCS 22500 - Large Animal Nursing I

Credit Hours: 2.00. This course builds on concepts learned in VCS 22100 related to normal, healthy large animal patients. It also introduces the students to higher level patient care for the large animal patient. Typically offered Spring.

CPB 25500 - Clinical Pathology For Veterinary Technicians

Credit Hours: 4.00. Basic instruction in clinical pathology, including theory and techniques of hematology, clinical chemistry, urinalysis, cytology, and specimen handling. Typically offered Spring.

BMS 23300 - Introduction To Pharmacology For Veterinary Technicians

Credit Hours: 0.50. This course introduces the concepts and terminology of pharmacology including basic terminology, pharmacokinetics, and pharmacodynamics. Typically offered Spring.

VCS 22600 - Principles Of Anesthesia

Credit Hours: 2.00. This course is an introduction to surgical nursing and anesthesia. The principles of asepsis and sterile technique will be introduced and demonstrated by staff and in some cases, practiced by the student. The basics of anesthesia will be introduced and practiced by the student. Typically offered Spring.

VCS 25200 - Diagnostic Imaging For Veterinary Technicians

Credit Hours: 2.00. Provides an introduction to imaging of domestic animals. Emphasis will be placed on radiological principles and techniques, darkroom procedures and design, preparing technique charts for various X-ray units, animal positioning, and radiation safety. Typically offered Spring.

VCS 22800 - Small And Large Animal Well Animal Nutrition

Credit Hours: 1.00. This course will introduce students to an overview of nutritional concepts as it applies to common domestic small and large animal species and selected exotic companion/avian pets. Basic concepts for understanding nutritional needs for all species will be introduced as well as therapeutic use of diets as it relates to animal nursing. Typically offered Spring.

- VM 42500 - Veterinary Technician Grand Rounds

VM 24400 - Clinical Rotations II

Credit Hours: 1.5. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Spring.

VM 24900 - Clinical Rotations III

Credit Hours: 3.5. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Summer.

VM 24200 - Integrations I

Credit Hours: 1.00. An introduction to problem based learning of the nursing process (patient evaluations, interventions, and desired resolutions) using a case based approach. This course will integrate foundational knowledge from anatomy, physiology, with information in the veterinary nursing courses. Cases will involve different domestic animal species. Students will learn using a variety of teaching modalities (lecture, group work, problem based learning). Typically offered Fall.

VM 32300 - Laboratory Animals And Nursing Of Non-Traditional Pets

Credit Hours: 2.00. This course will cover the proper methods of restraint, daily care, nursing techniques, and housing needs for the common species of laboratory animals. Typically offered Spring.

BMS 33100 - Pharmacology For Veterinary Technicians

Credit Hours: 1.50. This course introduces the concepts of drugs used in the different body systems. Mechanisms of action, side effects, and therapeutic applications are presented. Typically offered Fall.

VCS 32100 - Large Animal Nursing II

Credit Hours: 2.00. This course build on concepts learned in VCS 22100 and VCS 22500 related to normal, healthy large animals patients. It also introduces the student to higher level patient care for the large animal patient. Typically offered Fall.

VCS 32200 - Small Animal Nursing II

Credit Hours: 2.00. This course will cover management of hospitalized patients, client education, and preventative medicine programs. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall.

VM 34300 - Clinical Rotations IV

Credit Hours: 5.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Fall.

CPB 35100 - Microbiology For Veterinary Technicians

Credit Hours: 2.00. Biology and laboratory identification of bacteria and fungi that cause infectious diseases in animals. Emphasis will be placed on the collection of specimens for culture, the isolation and identification of pathogenic organisms, and antibiotic susceptibility testing. Procedures and commercial systems available to veterinary practices will be utilized. Typically offered Spring.

CPB 35200 - Parasitology For Veterinary Technicians

Credit Hours: 2.00. Biology and life cycles of selected protozoan, helminth, and arthropod parasites of veterinary importance. Emphasis will be placed on laboratory procedures for the identification of common parasites of domestic and laboratory animals. Typically offered Spring.

VM 34500 - Management I

Credit Hours: 1.50. The course will introduce students to concepts related to working in and managing a veterinary practice. Emphasis will be on client communication and education as well as facilitating a job search, interviewing and cover letter and resume creation. Typically offered Spring.

VM 34400 - Clinic Rotations V

Credit Hours: 5.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical radiology, pharmacy, and ancillary areas. Typically offered Spring.

VM 34200 - Integrations II

Credit Hours: 1.00. A continuation to problem based learning of the nursing process using a case based approach. This course will integrate foundational knowledge from anatomy, physiology, veterinary nursing courses, clinical pathology, pharmacology, anesthesia diagnostic imaging, microbiology and parasitology. Cases will involve different domestic animal species and laboratory animals. Students will learn using a variety of teaching modalities (lecture, group work, problem-based learning). Typically offered Spring.

VM 39000 - Practicum

Credit Hours: 4.00. Veterinary technologist level off-campus experience in one area of interest totaling 480 hours over 12 weeks. Typically offered Fall Spring Summer.

Other Departmental/Program Course Requirements

ENGL composition (3 credits)

requirement may be satisfied by

ENGL 10600 - First-Year Composition

Credit Hours: 4.00. Extensive practice in writing clear and effective prose. Instruction in organization, audience, style, and research-based writing. Typically offered Fall Spring Summer. NOTE: Concurrent registration is not permitted for ENGL 10600 and COM 11400.

ENGL 10800 - Accelerated First-Year Composition

Credit Hours: 3.00. An accelerated composition course that substitutes for ENGL 10600 for students showing superior writing ability. Typically offered Summer Fall Spring.

ENGL 10100 - English Composition I

Credit Hours: 3.00. The first half of the basic composition sequence. Extensive practice in writing clear and effective prose. Instruction in logic, structure, and style. Typically offered Fall Spring Summer.

ENGL 10200 - English Composition II

Credit Hours: 3.00. The second half of the basic composition sequence. Extensive practice in writing clear and effective prose. Instruction in logic, structure, and style. Students who receive an "A" in ENGL 10100 may, with their school's approval, substitute an elective course in English for ENGL 10200. Typically offered Fall Spring Summer.

Note

Transfer credit may be used to satisfy free elective and other program course requirements. Consult your academic advisor.

Free Electives (minimum of 3.5 cr.)

Program Requirements

Fall 1st Year

VM 14000 - Introduction To Veterinary Technology

Credit Hours: 1.00. This course provides an orientation to the profession of Veterinary Technology. Typically offered Fall.

BMS 23100 - Anatomy For Veterinary Technicians

Credit Hours: 4.00. Gross and microscopic study of body systems and topographic relationships in major animal species. Laboratory consists of dissection as well as study of living animals. Typically offered Fall.

BMS 23200 - Physiology For Veterinary Technicians

Credit Hours: 2.00. Basic mammalian physiology, which covers general physiological processes with emphasis on domestic animals. Laboratory experiences and demonstrations form a major part of the laboratory instruction. Typically offered Fall.

VCS 22100 - Veterinary Nursing Techniques For The Normal Animal (SA & LA)

Credit Hours: 4.00. The course will introduce the students to concepts related to normal, healthy large and small animal patients. The course includes both lecture and laboratory components. Typically offered Fall.

VM 24100 - Safety, Prevention And Public Health

Credit Hours: 1.00. This course will cover selected zoonotic diseases, occupational hazards and safety issues, related to the veterinary health care team and veterinary facility. Typically offered Fall.

VM 24300 - Clinic Rotations I

Credit Hours: 1.50. This course will provide the basic learning situations for developing the techniques required of veterinary technicians in pharmacy, radiology, surgery, medical nursing, and ancillary areas. Total clinic hours 9/week. Typically offered Fall.

VCS 25100 - Introduction To Diagnostic Imaging For The Veterinary Technician

Credit Hours: 0.50. This course is an introduction to veterinary diagnostic imaging and is designed to instruct the veterinary technician student in the basic principles of imaging, necessary to perform imaging tasks within a veterinary hospital. This course will introduce the fundamentals needed in the clinical imaging rotations and in practice. Typically offered Fall.

VCS 22200 - Dentistry For The Veterinary Technician

Credit Hours: 0.50. This course is an introduction to veterinary dentistry for the technician, with emphasis on basic dental anatomy, pathologies and treatments, dental charting, intraoral radiography, dental cleaning and periodontal disease management. Typically offered Fall.

VCS 22300 - Surgical Nursing And Operating Room Protocols

Credit Hours: 1.00. This course is an introduction to the surgical environment and all aspects related to the principles of asepsis and the practice of sterile technique. Students will learn using a variety of teaching modalities (lecture, group work, laboratory experience). Typically offered Fall.

VM 42500 - Veterinary Technician Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the college together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring Summer.

VM 25100 - Medical Math And Terminology For Veterinary Technicians

Credit Hours: 0.50. This course will introduce students to fundamental medical terminology and basic math and dosage calculations commonly used in veterinary medicine. The course includes both classroom and on-line components. Typically offered Fall.

16 Credits

Spring 1st Year

VCS 22400 - Small Animal Nursing I

Credit Hours: 2.00. This course will introduce students to nursing and diagnostic techniques for small animals and the body's response to disease. Typically offered Spring.

VCS 22500 - Large Animal Nursing I

Credit Hours: 2.00. This course builds on concepts learned in VCS 22100 related to normal, healthy large animal patients. It also introduces the students to higher level patient care for the large animal patient. Typically offered Spring.

CPB 25500 - Clinical Pathology For Veterinary Technicians

Credit Hours: 4.00. Basic instruction in clinical pathology, including theory and techniques of hematology, clinical chemistry, urinalysis, cytology, and specimen handling. Typically offered Spring.

BMS 23300 - Introduction To Pharmacology For Veterinary Technicians

Credit Hours: 0.50. This course introduces the concepts and terminology of pharmacology including basic terminology, pharmacokinetics, and pharmacodynamics. Typically offered Spring.

VCS 22600 - Principles Of Anesthesia

Credit Hours: 2.00. This course is an introduction to surgical nursing and anesthesia. The principles of asepsis and sterile technique will be introduced and demonstrated by staff and in some cases, practiced by the student. The basics of anesthesia will be introduced and practiced by the student. Typically offered Spring.

VCS 25200 - Diagnostic Imaging For Veterinary Technicians

Credit Hours: 2.00. Provides an introduction to imaging of domestic animals. Emphasis will be placed on radiological principles and techniques, darkroom procedures and design, preparing technique charts for various X-ray units, animal positioning, and radiation safety. Typically offered Spring.

VCS 22800 - Small And Large Animal Well Animal Nutrition

Credit Hours: 1.00. This course will introduce students to an overview of nutritional concepts as it applies to common domestic small and large animal species and selected exotic companion/avian pets. Basic concepts for understanding nutritional needs for all species will be introduced as well as therapeutic use of diets as it relates to animal nursing. Typically offered Spring.

VM 42500 - Veterinary Technician Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the college together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring Summer.

VM 24400 - Clinical Rotations II

Credit Hours: 1.5. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Spring.

15 Credits

Summer Between Year 1 and Year 2

Rotation is 6 wks. Two sections-weeks 1-6 & 10-15 Vacation for 9 weeks

VM 24900 - Clinical Rotations III

Credit Hours: 3.5. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Summer.

ENGL 10600 - First-Year Composition

Credit Hours: 4.00. Extensive practice in writing clear and effective prose. Instruction in organization, audience, style, and research-based writing. Typically offered Fall Spring Summer. NOTE: Concurrent registration is not permitted for ENGL 10600 and COM 11400.

ENGL 10800 - Accelerated First-Year Composition

Credit Hours: 3.00. An accelerated composition course that substitutes for ENGL 10600 for students showing superior writing ability. Typically offered Summer Fall Spring.

ENGL 10100 - English Composition I

Credit Hours: 3.00. The first half of the basic composition sequence. Extensive practice in writing clear and effective prose. Instruction in logic, structure, and style. Typically offered Fall Spring Summer.

ENGL 10200 - English Composition II

Credit Hours: 3.00. The second half of the basic composition sequence. Extensive practice in writing clear and effective prose. Instruction in logic, structure, and style. Students who receive an "A" in ENGL 10100 may, with their school's approval, substitute an elective course in English for ENGL 10200. Typically offered Fall Spring Summer.

Fall 2nd Year

VM 32300 - Laboratory Animals And Nursing Of Non-Traditional Pets

Credit Hours: 2.00. This course will cover the proper methods of restraint, daily care, nursing techniques, and housing needs for the common species of laboratory animals. Typically offered Spring.

BMS 33100 - Pharmacology For Veterinary Technicians

Credit Hours: 1.50. This course introduces the concepts of drugs used in the different body systems. Mechanisms of action, side effects, and therapeutic applications are presented. Typically offered Fall.

VCS 32100 - Large Animal Nursing II

Credit Hours: 2.00. This course build on concepts learned in VCS 22100 and VCS 22500 related to normal, healthy large animals patients. It also introduces the student to higher level patient care for the large animal patient. Typically offered Fall.

VCS 32200 - Small Animal Nursing II

Credit Hours: 2.00. This course will cover management of hospitalized patients, client education, and preventative medicine programs. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall.

VM 24200 - Integrations I

Credit Hours: 1.00. An introduction to problem based learning of the nursing process (patient evaluations, interventions, and desired resolutions) using a case based approach. This course will integrate foundational knowledge from anatomy, physiology, with information in the veterinary nursing courses. Cases will involve different domestic animal species. Students will learn using a variety of teaching modalities (lecture, group work, problem based learning). Typically offered Fall.

VM 34300 - Clinical Rotations IV

Credit Hours: 5.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Fall.

13.5 Credits

Spring 2nd Year

CPB 35100 - Microbiology For Veterinary Technicians

Credit Hours: 2.00. Biology and laboratory identification of bacteria and fungi that cause infectious diseases in animals. Emphasis will be placed on the collection of specimens for culture, the isolation and identification of pathogenic organisms, and antibiotic susceptibility testing. Procedures and commercial systems available to veterinary practices will be utilized. Typically offered Spring.

CPB 35200 - Parasitology For Veterinary Technicians

Credit Hours: 2.00. Biology and life cycles of selected protozoan, helminth, and arthropod parasites of veterinary importance. Emphasis will be placed on laboratory procedures for the identification of common parasites of domestic and laboratory animals. Typically offered Spring.

VM 34500 - Management I

Credit Hours: 1.50. The course will introduce students to concepts related to working in and managing a veterinary practice. Emphasis will be on client communication and education as well as facilitating a job search, interviewing and cover letter and resume creation. Typically offered Spring.

VM 34400 - Clinic Rotations V

Credit Hours: 5.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical radiology, pharmacy, and ancillary areas. Typically offered Spring.

VM 34200 - Integrations II

Credit Hours: 1.00. A continuation to problem based learning of the nursing process using a case based approach. This course will integrate foundational knowledge from anatomy, physiology, veterinary nursing courses, clinical pathology, pharmacology, anesthesia diagnostic imaging, microbiology and parasitology. Cases will involve different domestic animal species and laboratory animals. Students will learn using a variety of teaching modalities (lecture, group work, problem-based learning). Typically offered Spring.

- Free elective - Credit Hours: 3.50

15 Credits

Summer Year 2

Practicum is 12 weeks. (Vacation for 3 weeks)

VM 39000 - Practicum

Credit Hours: 4.00. Veterinary technologist level off-campus experience in one area of interest totaling 480 hours over 12 weeks. Typically offered Fall Spring Summer.

VM 41001 - International Practicum

Credit Hours: 4.00. The student will experience an integrated employment situation combined with veterinary team interaction to augment his/her specialized CoVM clinical learning experiences. The student will work under the direct supervision of a licensed veterinarian or credentialed veterinary technician designee of tech veterinarian. The student is required to complete a pre-departure orientation with the PVM Director of International Programs. Typically offered Summer.

Associate of Applied Science Degree Granted (Minimum required credits 70)

2.0 Graduation GPA required for Associate in Applied Science degree.

Degree Requirements

The student is ultimately responsible for knowing and completing all degree requirements.

Consultation with an academic advisor is strongly advised.

Critical Course

The ♦ course is considered critical. A Critical Course is one that a student must be able to pass to persist and succeed in a particular major.

Veterinary Technology Distance Learning, AAS

About the Program

Associate in Applied Science Distance Learning Program

The Veterinary Technology program is a science-based veterinary nursing program offering an Associates in Applied Science (AAS) degree. The Veterinary Technology Distance Learning (VTDL) program at Purdue University is designed to allow a student to gain the knowledge, information, and skills necessary to practice as a veterinary technician. It is an AVMA accredited degree. At its completion, the student is eligible to take the Veterinary Technician National Exam (VTNE).

Typically, most students who complete the VTDL are already employed with a veterinarian, and plan to continue working in the field. Students are willing to make a long-term commitment to develop the skills and acquire the extensive knowledge required to be a Veterinary Technician.

The VTDL curriculum contains 35 didactic courses and 17 clinical mentorships. It is a part-time program and cannot be taken full-time. Financial aid eligibility is limited. Students are responsible for finding their own mentorship sites with a veterinary health care facility.

Most VTDL courses are offered every semester, i.e. fall, spring and summer. Courses follow the Purdue class calendar. Students may begin the program at the start of any semester.

More information and sample plans of study are on the Purdue College of Veterinary Medicine Veterinary Technology web site (<https://vet.purdue.edu/vettech/>).

Degree Requirements and Supplemental Information

The full Program Requirements for 2016-17 Vet Tech Distance - AAS include all Supplemental Information and selective lists of those categories which a student must fulfill in order to earn their degree. These are intended to be printer-friendly, but include less descriptive course detail.

Please see below for program requirements and the necessary degree fulfillments.

V-AAS

VTDL

70 Credits

Departmental/Program Major Courses (62 cr.)

Required Major Courses (45 credits)

VM 10500 - Introduction to Veterinary Technology-DL

Credit Hours: 1.00. An introduction to the profession of Veterinary Technology will be presented. It will include the many roles of veterinary technicians on the veterinary teams in practice and non-practice areas. Learning skills with an emphasis on medical terminology will be covered to help the student develop a foundation of medical vocabulary for future courses. Typically offered Fall Spring Summer.

BMS 11500 - Anatomy For VT-DL

Credit Hours: 1.50. This course is the first of two courses in the distance learning program that presents an introduction to the

study of the major body systems and topographic relationships of the major domesticated species, with emphasis on the carnivore. Typically offered Fall Spring.

BMS 11600 - Anatomy II VT-DL

Credit Hours: 1.50. This course is the second of two courses in the distance learning program that presents an introduction to the study of the major body systems and topographic relationships of the major domesticated species, with emphasis on the carnivore. Typically offered Fall Spring Summer.

BMS 13500 - Physiology For VT-DL

Credit Hours: 1.00. This course is the first of two courses in the distance learning program that presents an introduction to general physiology of the mammalian body systems and the general physiological process with emphasis on domestic animals. This course will address the functions of the different systems and homeostasis; the functions of the cell; the different compartments and solute transport; blood and defense; general functions of the nervous system, reflexes and special senses; the function of the nerve and muscle; cardiovascular system; and digestive system. Typically offered Fall Spring Summer.

BMS 13600 - Physiology For Vet Tech II - DL

Credit Hours: 1.00. This course is the second of two courses in the distance learning program that addresses the functions of the kidney and its role in regulation of extracellular volume and acid-base; respiration, mechanics of respiration and its control, transport of gases and hypoxia; physiology of the endocrine system, functions of the gonads, fertilization, pregnancy, parturition and lactation. Typically offered Fall Spring Summer.

VCS 14000 - Small Animal Nursing I For Vet Techs-DL

Credit Hours: 1.50. This is the first of four courses involving nursing and management of the small animal patient. This course provides an introduction to small animal patient care and treatment that a technician will be expected to provide in a veterinary practice. It includes techniques equipment orientation, client education, management of the hospitalized patient, and preventative medicine. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall Spring Summer.

VCS 14100 - Small Animal Nursing II For Vet Techs-DL

Credit Hours: 1.50. This is the second of four courses involving nursing and management of the small animal patient. It is the continuation of the small animal patient care and treatment that a technician will be expected to provide in a veterinary practice. It includes techniques, equipment, client education, management of the hospitalized patient, and preventative medicine. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall Spring Summer.

VCS 23000 - S A Nursing III-VTDL

Credit Hours: 1.50. This is the third of four courses involving nursing and management of the small animal patient. This course continues the concepts of small animal patient care and treatment that a technician will be expected to provide in a veterinary practice. It includes techniques, equipment, client education, management of the hospitalized patient and preventative medicine. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall Spring Summer.

VCS 23100 - S A Nursing IV-VTDL

Credit Hours: 1.50. This is the fourth of four courses involving nursing and management of the small animal patient. This course involves emergency and critical patient care and treatment that a technician will be expected to provide in a veterinary practice. It includes techniques, equipment, client education, management of the hospitalized patient and preventative medicine. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall Spring Summer.

VCS 23300 - Introduction to Ophtho Derm and Oncology-DL

Credit Hours: 1.00. This course involves the instruction of nursing and management of small animal patients related to ophthalmology, dermatology, and oncology. It presents concepts of small animal patient care and treatment that a technician will be expected to provide in a veterinary practice. It includes techniques, equipment, client education, management of the hospitalized patient, and preventative medicine related to these specific clinical disciplines. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall Spring Summer.

VCS 14200 - Diagnostic Imaging For Vet Techs I -DL

Credit Hours: 1.50. This is the first of two courses involving basic principles of imaging that are necessary for the understanding and performance of diagnostic imaging procedures in a veterinary hospital. This course provides an introduction to x-ray generation, image formation, exposure factors, scatter radiation, grids, film, screens, safety, basic terminology, positioning, darkroom techniques, an artifact identification. Typically offered Fall Spring Summer.

VCS 14300 - Diagnostic Imaging For Vet Techs II -DL

Credit Hours: 1.50. This is the second of two courses involving principles of imaging that are necessary for the understanding and performance of diagnostic imaging procedures in a veterinary hospital. This course provides an introduction to advanced positioning techniques for the small animal, large animal techniques, contrast techniques, technique charts, basic ultrasound, diagnostic imaging in exotic animals, and diagnostic imaging for the veterinary dentistry. Typically offered Fall Spring Summer.

VCS 14500 - Anesthesia For Vet Techs I -DL

Credit Hours: 1.50. This is the first of two courses involving basic principles of anesthesia and anesthetic delivery for the veterinary technician. This course focuses on the preparation of the patient for anesthesia, the agents used as pre-anesthetics, induction agents and general anesthesia, and the physiologic impacts of anesthesia on the body. Typically offered Fall Spring Summer.

VCS 14600 - Anesthesia For Vet Techs II -DL

Credit Hours: 1.50. This is the second of two courses involving basic principles of anesthesia and anesthetic delivery for the veterinary technician. This course focuses on multi-species anesthetic techniques (small animal, large animal/equine, pocket pets), managing high risk patients, anesthetic complications, and pain management. Typically offered Fall Spring Summer.

VCS 14700 - Principles Of Techniques and Sterilization-DL

Credit Hours: 1.00. This course is designed to instruct veterinary technician students in the basic principles of veterinary operating room protocols and sterilization of surgical supplies commonly used within a veterinary hospital. Emphasis will be placed upon key concepts of surgical preparation of the patient, and the role of the circulating nurse and surgical nurse. In addition, the concepts of proper instrument care, sterilization procedures and inventory rotation will be covered. Typically offered Fall Spring Summer.

VCS 14800 - Large Animal Nursing and Health Management I - Distance Learning

Credit Hours: 1.00. This is the first of four courses involving large animal and equine nursing and health management. This course provides an introduction to nursing and health management that a technician will be expected to provide in a veterinary practice. Emphasis will be on the role of the veterinary technician in the veterinary facility. Typically offered Summer Fall Spring.

VCS 14900 - Large Animal Nursing and Health Management II - Distance Learning

Credit Hours: 1.00. This is the second of four courses involving large animal and equine nursing and health management for the veterinary technician. This course completes the introduction to nursing and health management that a technician will be expected to provide in a veterinary practice. Typically offered Summer Fall Spring.

VCS 23700 - Large Animal Nursing and Health Management III - Distance Learning

Credit Hours: 1.50. This is the third of four courses involving large animal and equine nursing and health management for the veterinary technician. This course focuses more on the observation/assessment of the animal, handling techniques, and basic medical care and management that a technician will be expected to provide in a veterinary practice. Typically offered Summer Fall Spring.

VCS 23800 - Large Animal Nursing and Health Management IV - Distance Learning

Credit Hours: 1.50. This is the fourth of four courses involving large animal and equine nursing and health management for the veterinary technician. This course focuses more on the handling techniques and basic medical care and management that a

technician will be expected to provide in a veterinary practice. Emphasis will be on the role of the veterinary technician in practice. Typically offered Summer Fall Spring.

CPB 15000 - Clinical Pathology I-DL

Credit Hours: 1.50. This course is the first of three courses that provide basic instruction in the concepts of clinical pathology to the veterinary technician student. This course will place an emphasis on the terminology used in clinical pathology, as well as red blood cell production, function, and morphology. Typically offered Fall Spring Summer.

CPB 15100 - Clinical Pathology II-DL

Credit Hours: 1.50. This course is the second of three courses that provide basic instruction in the concepts of clinical pathology to the veterinary technician student. This course will place an emphasis on white blood cell production, function, as well as white blood cell morphology characteristics and identification. Typically offered Fall Spring Summer.

CPB 15200 - Clinical Pathology III-DL

Credit Hours: 1.00. This course is the third of three courses that provide basic instruction in the concepts of clinical pathology to the veterinary technician student. This course will place an emphasis on the basic concepts of clinical chemistry, urinalysis evaluation, as well as the fundamentals of cytological sample handling and evaluation. Typically offered Fall Spring Summer.

VM 22000 - Laboratory Animal Health I -DL

Credit Hours: 1.00. This course is the first of two courses that provide basic instruction in the concepts of laboratory animal health management to the veterinary technician student. This course will place an emphasis on the basics of care and nutrition of common laboratory animals, the issues of animal welfare as they apply to research, and safety and care procedures for working in the laboratory animal environment. Students are expected to achieve a level of understanding of laboratory animal care and management that will allow them to communicate effectively with the veterinarian. Typically offered Fall Spring Summer.

VM 22100 - Laboratory Animal Health II -DL

Credit Hours: 1.00. This course is the second of two courses that provide basic instruction in the concepts of laboratory animal health management to the veterinary technician student. This course will place an emphasis on the care of laboratory animals as well as specific procedures that are used in laboratory animal medicine. Typically offered Fall Spring Summer.

CPB 22500 - Parasitology for Veterinary Technicians I - DL

Credit Hours: 1.00. This course is the first of two courses that provide basic instruction in the concepts of parasitology for the veterinary technician student. This course will place an emphasis on the basic information needed to accurately identify parasites

commonly encountered in veterinary medicine. Emphasis will be placed on life cycles and the zoonotic aspects of the parasites. Typically offered Fall Spring Summer.

CPB 22600 - Parasitology for Veterinary Technicians II - DL

Credit Hours: 1.00. This course is the second of two courses that provide basic instruction in the concepts of parasitology for the veterinary technician student. This course will place an emphasis on the basic information needed to accurately identify parasites commonly encountered in veterinary medicine. Emphasis will also be placed on life cycles and the zoonotic aspects. Students are expected to be able to make accurate identifications and to communicate effectively. Typically offered Fall Spring Summer.

CPB 22700 - Microbiology for Veterinary Technicians-DL

Credit Hours: 2.00. This course is designed to enable the veterinary technician to satisfactorily collect and process specimens, and characterize and identify microorganisms that may be encountered in veterinary practice situations. This course will introduce microorganisms commonly encountered in veterinary medicine. Different laboratory techniques will be illustrated. Typically offered Fall Spring Summer.

BMS 23500 - Pharmacology VT-DL

Credit Hours: 1.00. This course is the first of two courses in the distance learning program that presents an introduction to the principles of pharmacy and pharmacology for the veterinary technician. Emphasis will be placed upon key concepts of how drugs work, terminology commonly used with therapeutic agents, important mechanisms and side effects of commonly used veterinary drugs, and dosage calculations. Typically offered Fall Spring Summer.

BMS 23600 - Pharmacology II VT-DL

Credit Hours: 1.00. This course is the second of two courses in the distance learning program that presents an introduction to the principles of therapeutics and pharmacology for the veterinary technician. Emphasis will be placed upon key concepts of how drugs work, terminology commonly used with therapeutic agents, important mechanisms and side effects of commonly used veterinary drugs. Typically offered Fall Spring Summer.

VCS 20100 - Pharmacy Procedures For VT -DL

Credit Hours: 1.00. This course introduces students to the concepts of pharmacy procedures used in veterinary practice. Concepts covered in this course include basic record keeping, safe handling of drugs and chemicals, inventory control, calculation of amount of drugs to be dispensed or dosed, reading prescriptions, labeling drug containers, compounding, and drug regulatory matters that impact the veterinary hospital pharmacy. Typically offered Fall Spring Summer.

CPB 24000 - Public and Occupational Health for Vet Techs I -DL

Credit Hours: 1.00. This is the first of two courses that provide basic instruction in the concepts of workplace safety related to the veterinary technician. This course will place an emphasis on the basic information needed to recognize hazards commonly encountered and the steps that should be taken to reduce the risk of exposure to hazards. Other practical aspects of public health will be discussed. Typically offered Fall Spring Summer.

CPB 24100 - Public and Occupational Health for Vet Techs II-DL

Credit Hours: 1.00. This is the second of two courses that provide basic instruction in the concepts of workplace safety related to the veterinary technician. Typically offered Fall Spring Summer.

VM 24500 - Management Topics for Vet Techs I -DL

Credit Hours: 1.50. This course is the first of two courses that provide basic instruction in the concepts of a veterinary technician's role in the management of day-to-day operations of a veterinary clinic. This course will emphasize problems related to ethical and liability issues, medical records, inventory, marketing and fees, writing cover letters and resumes, and job interviews. Students must be currently working/volunteering at least 10-15 hours a week at a veterinary facility. Typically offered Fall Spring.

VM 24600 - Management Topics for Vet Techs II-DL

Credit Hours: 1.50. This course is the second of two courses that provide basic instruction in the concepts of a veterinary technician's role in the management of day-to-day operations of a veterinary clinic. This course will place an emphasis on client interaction including active listening skills, effective client communication, handling emotional clients, and euthanasia and client grief. Students must be currently working/volunteering at least 10-15 hours a week at a veterinary facility. Typically offered Fall Spring.

VM 24800 - Understanding Animal Disease-DL

Credit Hours: 2.00. This course is a survey of common small animal and large animal diseases, their clinical signs, and how these signs can be explained by physiology and pathophysiology. The zoonotic potential for the disease and the role of the veterinary technician in the treatment, management, and education of client/owner of the affected animal is also emphasized. Typically offered Fall Spring Summer.

Required Major Clinical Mentorships (17 credits)

VM 20500 - Small Animal Nursing Clinical Mentorship I-DL

Credit Hours: 1.00. This is the first of three clinical mentorships in small animal nursing. This clinical mentorship will require the veterinary technician student to work with a small animal veterinary care facility to practice several tasks under the supervision

of a clinical mentor. This clinical mentorship focuses on the principles of historytaking, physical examination, simple diagnostic sample collection, parenteral and oral administration of medication, and venipuncture. Permission of department required. Typically offered Fall Spring Summer.

VM 20600 - Small Animal Nursing Clinical Mentorship II-DL

Credit Hours: 1.00. This is the second of three clinical mentorships in small animal nursing. This mentorship requires the student to work with a small animal veterinary care facility to practice several tasks under the supervision of a clinical mentor. This clinical mentorship focuses on the principles of venipuncture, catheter placement, various methods of urine collection, vaginal cytology, dental prophylaxis, and ECG tracings. Permission of department required. Typically offered Fall Spring Summer.

VM 20700 - Small Animal Nursing Clinical Mentorship III-DL

Credit Hours: 1.00. This is the third of three clinical mentorships in small animal nursing. This mentorship will require the student to work with a small animal veterinary care facility to practice several tasks under the supervision of a clinical mentor. This clinical mentorship focuses on the principles of oncology, dermatology, ophthalmology, and emergency care procedures. Permission of department required. Typically offered Fall Spring Summer.

VM 20800 - Large Animal Medical Nursing Clinical Mentorship -DL

Credit Hours: 1.00. This clinical mentorship focuses on the principles of basic handling, nursing, and diagnostic techniques used in large animal medicine. Permission of department required. Typically offered Summer Fall Spring.

VM 20900 - Equine Medical Nursing Clinical Mentorship - DL

Credit Hours: 1.00. This clinical mentorship focuses on the principles of handling, restraint, and equine nursing care. Tasks to be documented include restraint and handling techniques, data collection, basic nursing care, and administration of medication and treatments. Permission of department required. Typically offered Summer Fall Spring.

VM 21000 - Small Animal Anesthesia-Clinical Mentorship-DL

Credit Hours: 2.00. This mentorship will require the student to work with a small animal veterinary care facility to practice several tasks under the supervision of a clinical mentor. This mentorship focuses on the principles of anesthesia from induction, maintenance to recovery. Permission of department required. Typically offered Summer Fall Spring.

VM 21100 - Food Animal and Equine Anesthesia-Clinical Mentorship-DL

Credit Hours: 1.00. This mentorship will require the student to work with a food animal or equine veterinary care facility to practice several tasks under the supervision of a clinical mentor. This mentorship focuses on the principles of large animal and

equine anesthesia from induction and maintenance to recovery. Permission of department required. Typically offered Summer Fall Spring.

VM 21200 - Operating Room Techniques and Sterilization -Clinical Mentorship-DL

Credit Hours: 0.50. This clinical mentorship will require the student to work in a veterinary care facility to practice several tasks under the supervision of a clinical mentor. This mentorship focuses on the principles of operating room procedures, patient and instrument preparation for surgery and the duties of the circulating nurse and the scrub nurse. Permission of department required. Typically offered Summer Fall Spring.

VM 21500 - Small Animal Diag Imaging I-Clinical Mentorship-DL

Credit Hours: 1.00. This is the first of two clinical mentorships in diagnostic imaging. This mentorship will require the student to work with a small animal veterinary care facility to practice several tasks under the supervision of a clinical mentor. This mentorship focuses on the principles of film loading, processing, presentation for viewing radiographs, care and maintenance of processors, and imaging of the thorax and abdomen. Permission of department required. Typically offered Fall Spring Summer.

VM 21600 - Small Animal Diag Imaging II-Clinical Mentorship-DL

Credit Hours: 1.00. This is the second clinical mentorship in small animal diagnostic imaging. This mentorship requires the student to work with a small animal veterinary care facility to practice several tasks under the supervision of a clinical mentor. This mentorship focuses on the preparation of a technique chart, imaging of the shoulder, radius, ulna, stifle, spine, skull, and pelvis. Permission of department required. Typically offered Fall Spring Summer.

VM 21700 - Food Animal and Equine Diagnostic Imaging-Clinical Mentorship

Credit Hours: 0.50. This clinical mentorship will require the student to work with a food animal/equine veterinary care facility to practice several tasks under the supervision of a clinical mentor. This mentorship focuses on the imaging of the carpus, fetlock, tarsus, navicular projection, P3 views, and the dorsoproximal-palmarodistal view. Permission of department required. Typically offered Fall Spring Summer.

VM 22200 - Parasitology Microbiology Clinical Mentorship -DL

Credit Hours: 1.00. This clinical mentorship focuses on the motor skills required to sample, prepare specimens for examination, and for technician level diagnostic techniques. Tasks to be documented include collection of microbiological samples, techniques for staining and testing samples, techniques for collecting and testing common parasites. Permission of department required. Typically offered Summer Fall Spring.

VM 22300 - Pharmacy Clinical Mentorship-DL

Credit Hours: 0.50. This clinical mentorship will require the veterinary technician student to work with a veterinary care facility to practice tasks under the supervision of a clinical mentor. This clinical mentorship focuses on the principles of drug order fulfillment, reconstitution of medications, correct storage of medications (including controlled substances), safe handling of hazardous medications, and inventory control procedures. Permission of department required. Typically offered Fall Spring Summer.

VM 22400 - Necropsy Clinical Mentorship For Veterinary Technology

Credit Hours: 0.50. This clinical mentorship focuses on the motor skills and techniques in performing a basic prosection (necropsy). Tasks include basic necropsy technique, techniques for sample collection and storage, and safety issues related to handling animal specimens. Course is offered as Distance Learning. Permission of department required. Typically offered Summer Fall Spring.

VM 22500 - Advanced Clinical Mentorship - DL

Credit Hours: 1.50. This clinical mentorship will require the student to complete 120 hours of additional work experience while completing a series of selected projects related to veterinary medicine. Permission of department required. Typically offered Summer Fall Spring.

VM 22600 - Laboratory Animal Clinical Mentorship -DL

Credit Hours: 0.50. This clinical mentorship focuses on the motor skills involved with the basic handling, restraint, administration of medication and nursing care of laboratory animals. Permission of department required. Typically offered Summer Fall Spring.

VM 22700 - Clinical Pathology Clinical Mentorship-DL

Credit Hours: 2.00. This clinical mentorship will require the student to work with a laboratory, small or large animal veterinary care facility to practice several tasks under the supervision of a clinical mentor. This clinical mentorship focuses on the principles of blood film evaluation for different species, manual and automated CBCs, normal and abnormal cellular morphology, urinalysis, chemistry panels, and differentials. Permission of department required. Typically offered Fall Spring Summer.

Other Departmental/Program Course Requirements (6 credits)

ANSC 10100 - Animal Agriculture

Credit Hours: 3.00. Importance of livestock in the field of agriculture, and the place of meats and other animal products in the human diet. Course not available for students enrolled at the West Lafayette campus. Credit cannot be obtained for both ANSC

10100 and ANSC 10200. Offered at regional campuses, Vincennes University, and other distance education sites. Typically offered Fall Spring Summer.

ENGL 10600 - First-Year Composition

Credit Hours: 4.00. Extensive practice in writing clear and effective prose. Instruction in organization, audience, style, and research-based writing. Typically offered Fall Spring Summer. NOTE: Concurrent registration is not permitted for ENGL 10600 and COM 11400.

ENGL 10800 - Accelerated First-Year Composition

Credit Hours: 3.00. An accelerated composition course that substitutes for ENGL 10600 for students showing superior writing ability. Typically offered Summer Fall Spring.

ENGL 10100 - English Composition I

Credit Hours: 3.00. The first half of the basic composition sequence. Extensive practice in writing clear and effective prose. Instruction in logic, structure, and style. Typically offered Fall Spring Summer.

ENGL 10200 - English Composition II

Credit Hours: 3.00. The second half of the basic composition sequence. Extensive practice in writing clear and effective prose. Instruction in logic, structure, and style. Students who receive an "A" in ENGL 10100 may, with their school's approval, substitute an elective course in English for ENGL 10200. Typically offered Fall Spring Summer.

Free Electives (2 credits)

Electives (2 credits)

Note

**Transfer credit may be used to satisfy other program course and free elective requirements. Consult with your academic advisor.*

Program Requirements

Fall 1st Year

VM 10500 - Introduction to Veterinary Technology-DL

Credit Hours: 1.00. An introduction to the profession of Veterinary Technology will be presented. It will include the many roles of veterinary technicians on the veterinary teams in practice and non-practice areas. Learning skills with an emphasis on medical terminology will be covered to help the student develop a foundation of medical vocabulary for future courses. Typically offered Fall Spring Summer.

BMS 11500 - Anatomy For VT-DL

Credit Hours: 1.50. This course is the first of two courses in the distance learning program that presents an introduction to the study of the major body systems and topographic relationships of the major domesticated species, with emphasis on the carnivore. Typically offered Fall Spring.

BMS 13500 - Physiology For VT-DL

Credit Hours: 1.00. This course is the first of two courses in the distance learning program that presents an introduction to general physiology of the mammalian body systems and the general physiological process with emphasis on domestic animals. This course will address the functions of the different systems and homeostasis; the functions of the cell; the different compartments and solute transport; blood and defense; general functions of the nervous system, reflexes and special senses; the function of the nerve and muscle; cardiovascular system; and digestive system. Typically offered Fall Spring Summer.

3.5 Credits

Spring 1st Year

BMS 11600 - Anatomy II VT-DL

Credit Hours: 1.50. This course is the second of two courses in the distance learning program that presents an introduction to the study of the major body systems and topographic relationships of the major domesticated species, with emphasis on the carnivore. Typically offered Fall Spring Summer.

BMS 13600 - Physiology For Vet Tech II - DL

Credit Hours: 1.00. This course is the second of two courses in the distance learning program that addresses the functions of the kidney and its role in regulation of extracellular volume and acid-base; respiration, mechanics of respiration and its control, transport of gases and hypoxia; physiology of the endocrine system, functions of the gonads, fertilization, pregnancy, parturition and lactation. Typically offered Fall Spring Summer.

VCS 20100 - Pharmacy Procedures For VT -DL

Credit Hours: 1.00. This course introduces students to the concepts of pharmacy procedures used in veterinary practice. Concepts covered in this course include basic record keeping, safe handling of drugs and chemicals, inventory control, calculation of amount of drugs to be dispensed or dosed, reading prescriptions, labeling drug containers, compounding, and drug regulatory matters that impact the veterinary hospital pharmacy. Typically offered Fall Spring Summer.

3.5 Credits

Summer 1st Year

BMS 23500 - Pharmacology VT-DL

Credit Hours: 1.00. This course is the first of two courses in the distance learning program that presents an introduction to the principles of pharmacy and pharmacology for the veterinary technician. Emphasis will be placed upon key concepts of how drugs work, terminology commonly used with therapeutic agents, important mechanisms and side effects of commonly used veterinary drugs, and dosage calculations. Typically offered Fall Spring Summer.

VM 22300 - Pharmacy Clinical Mentorship-DL

Credit Hours: 0.50. This clinical mentorship will require the veterinary technician student to work with a veterinary care facility to practice tasks under the supervision of a clinical mentor. This clinical mentorship focuses on the principles of drug order fulfillment, reconstitution of medications, correct storage of medications (including controlled substances), safe handling of hazardous medications, and inventory control procedures. Permission of department required. Typically offered Fall Spring Summer.

ENGL 10600 - First-Year Composition

Credit Hours: 4.00. Extensive practice in writing clear and effective prose. Instruction in organization, audience, style, and research-based writing. Typically offered Fall Spring Summer. NOTE: Concurrent registration is not permitted for ENGL 10600 and COM 11400.

ENGL 10800 - Accelerated First-Year Composition

Credit Hours: 3.00. An accelerated composition course that substitutes for ENGL 10600 for students showing superior writing ability. Typically offered Summer Fall Spring.

ENGL 10100 - English Composition I

Credit Hours: 3.00. The first half of the basic composition sequence. Extensive practice in writing clear and effective prose. Instruction in logic, structure, and style. Typically offered Fall Spring Summer.

ENGL 10200 - English Composition II

Credit Hours: 3.00. The second half of the basic composition sequence. Extensive practice in writing clear and effective prose. Instruction in logic, structure, and style. Students who receive an "A" in ENGL 10100 may, with their school's approval, substitute an elective course in English for ENGL 10200. Typically offered Fall Spring Summer.

4.5 Credits

Fall 2nd Year

VCS 14200 - Diagnostic Imaging For Vet Techs I -DL

Credit Hours: 1.50. This is the first of two courses involving basic principles of imaging that are necessary for the understanding and performance of diagnostic imaging procedures in a veterinary hospital. This course provides an introduction to x-ray generation, image formation, exposure factors, scatter radiation, grids, film, screens, safety, basic terminology, positioning, darkroom techniques, an artifact identification. Typically offered Fall Spring Summer.

CPB 15000 - Clinical Pathology I-DL

Credit Hours: 1.50. This course is the first of three courses that provide basic instruction in the concepts of clinical pathology to the veterinary technician student. This course will place an emphasis on the terminology used in clinical pathology, as well as red blood cell production, function, and morphology. Typically offered Fall Spring Summer.

BMS 23600 - Pharmacology II VT-DL

Credit Hours: 1.00. This course is the second of two courses in the distance learning program that presents an introduction to the principles of therapeutics and pharmacology for the veterinary technician. Emphasis will be placed upon key concepts of how drugs work, terminology commonly used with therapeutic agents, important mechanisms and side effects of commonly used veterinary drugs. Typically offered Fall Spring Summer.

VCS 14000 - Small Animal Nursing I For Vet Techs-DL

Credit Hours: 1.50. This is the first of four courses involving nursing and management of the small animal patient. This course provides an introduction to small animal patient care and treatment that a technician will be expected to provide in a veterinary practice. It includes techniques equipment orientation, client education, management of the hospitalized patient, and preventative medicine. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall Spring Summer.

5.5 Credits

Spring 2nd Year

VCS 14100 - Small Animal Nursing II For Vet Techs-DL

Credit Hours: 1.50. This is the second of four courses involving nursing and management of the small animal patient. It is the continuation of the small animal patient care and treatment that a technician will be expected to provide in a veterinary practice. It includes techniques, equipment, client education, management of the hospitalized patient, and preventative medicine. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall Spring Summer.

ANSC 10100 - Animal Agriculture

Credit Hours: 3.00. Importance of livestock in the field of agriculture, and the place of meats and other animal products in the human diet. Course not available for students enrolled at the West Lafayette campus. Credit cannot be obtained for both ANSC 10100 and ANSC 10200. Offered at regional campuses, Vincennes University, and other distance education sites. Typically offered Fall Spring Summer.

VCS 14500 - Anesthesia For Vet Techs I -DL

Credit Hours: 1.50. This is the first of two courses involving basic principles of anesthesia and anesthetic delivery for the veterinary technician. This course focuses on the preparation of the patient for anesthesia, the agents used as pre-anesthetics, induction agents and general anesthesia, and the physiologic impacts of anesthesia on the body. Typically offered Fall Spring Summer.

6.0 Credits

Summer 2nd Year

VCS 23000 - S A Nursing III-VTDL

Credit Hours: 1.50. This is the third of four courses involving nursing and management of the small animal patient. This course continues the concepts of small animal patient care and treatment that a technician will be expected to provide in a veterinary practice. It includes techniques, equipment, client education, management of the hospitalized patient and preventative medicine. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall Spring Summer.

VCS 14300 - Diagnostic Imaging For Vet Techs II -DL

Credit Hours: 1.50. This is the second of two courses involving principles of imaging that are necessary for the understanding and performance of diagnostic imaging procedures in a veterinary hospital. This course provides an introduction to advanced positioning techniques for the small animal, large animal techniques, contrast techniques, technique charts, basic ultrasound, diagnostic imaging in exotic animals, and diagnostic imaging for the veterinary dentistry. Typically offered Fall Spring Summer.

VCS 14700 - Principles Of Techniques and Sterilization-DL

Credit Hours: 1.00. This course is designed to instruct veterinary technician students in the basic principles of veterinary operating room protocols and sterilization of surgical supplies commonly used within a veterinary hospital. Emphasis will be placed upon key concepts of surgical preparation of the patient, and the role of the circulating nurse and surgical nurse. In addition, the concepts of proper instrument care, sterilization procedures and inventory rotation will be covered. Typically offered Fall Spring Summer.

VM 20500 - Small Animal Nursing Clinical Mentorship I-DL

Credit Hours: 1.00. This is the first of three clinical mentorships in small animal nursing. This clinical mentorship will require the veterinary technician student to work with a small animal veterinary care facility to practice several tasks under the supervision of a clinical mentor. This clinical mentorship focuses on the principles of historytaking, physical examination, simple diagnostic sample collection, parenteral and oral administration of medication, and venipuncture. Permission of department required. Typically offered Fall Spring Summer.

5 Credits

Fall 3rd Year

VCS 23100 - S A Nursing IV-VTDL

Credit Hours: 1.50. This is the fourth of four courses involving nursing and management of the small animal patient. This course involves emergency and critical patient care and treatment that a technician will be expected to provide in a veterinary practice. It includes techniques, equipment, client education, management of the hospitalized patient and preventative medicine. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall Spring Summer.

VCS 14600 - Anesthesia For Vet Techs II -DL

Credit Hours: 1.50. This is the second of two courses involving basic principles of anesthesia and anesthetic delivery for the veterinary technician. This course focuses on multi-species anesthetic techniques (small animal, large animal/equine, pocket pets), managing high risk patients, anesthetic complications, and pain management. Typically offered Fall Spring Summer.

CPB 15100 - Clinical Pathology II-DL

Credit Hours: 1.50. This course is the second of three courses that provide basic instruction in the concepts of clinical pathology to the veterinary technician student. This course will place an emphasis on white blood cell production, function, as well as white blood cell morphology characteristics and identification. Typically offered Fall Spring Summer.

VCS 14800 - Large Animal Nursing and Health Management I - Distance Learning

Credit Hours: 1.00. This is the first of four courses involving large animal and equine nursing and health management. This course provides an introduction to nursing and health management that a technician will be expected to provide in a veterinary practice. Emphasis will be on the role of the veterinary technician in the veterinary facility. Typically offered Summer Fall Spring.

VM 21500 - Small Animal Diag Imaging I-Clinical Mentorship-DL

Credit Hours: 1.00. This is the first of two clinical mentorships in diagnostic imaging. This mentorship will require the student to work with a small animal veterinary care facility to practice several tasks under the supervision of a clinical mentor. This mentorship focuses on the principles of film loading, processing, presentation for viewing radiographs, care and maintenance of processors, and imaging of the thorax and abdomen. Permission of department required. Typically offered Fall Spring Summer.

6.5 Credits

Spring 3rd Year

VCS 14900 - Large Animal Nursing and Health Management II - Distance Learning

Credit Hours: 1.00. This is the second of four courses involving large animal and equine nursing and health management for the veterinary technician. This course completes the introduction to nursing and health management that a technician will be expected to provide in a veterinary practice. Typically offered Summer Fall Spring.

VM 22000 - Laboratory Animal Health I -DL

Credit Hours: 1.00. This course is the first of two courses that provide basic instruction in the concepts of laboratory animal health management to the veterinary technician student. This course will place an emphasis on the basics of care and nutrition of common laboratory animals, the issues of animal welfare as they apply to research, and safety and care procedures for working in the laboratory animal environment. Students are expected to achieve a level of understanding of laboratory animal care and management that will allow them to communicate effectively with the veterinarian. Typically offered Fall Spring Summer.

CPB 22700 - Microbiology for Veterinary Technicians-DL

Credit Hours: 2.00. This course is designed to enable the veterinary technician to satisfactorily collect and process specimens, and characterize and identify microorganisms that may be encountered in veterinary practice situations. This course will introduce microorganisms commonly encountered in veterinary medicine. Different laboratory techniques will be illustrated. Typically offered Fall Spring Summer.

VM 24500 - Management Topics for Vet Techs I -DL

Credit Hours: 1.50. This course is the first of two courses that provide basic instruction in the concepts of a veterinary technician's role in the management of day-to-day operations of a veterinary clinic. This course will emphasize problems related to ethical and liability issues, medical records, inventory, marketing and fees, writing cover letters and resumes, and job interviews. Students must be currently working/volunteering at least 10-15 hours a week at a veterinary facility. Typically offered Fall Spring.

VM 21600 - Small Animal Diag Imaging II-Clinical Mentorship-DL

Credit Hours: 1.00. This is the second clinical mentorship in small animal diagnostic imaging. This mentorship requires the student to work with a small animal veterinary care facility to practice several tasks under the supervision of a clinical mentor. This mentorship focuses on the preparation of a technique chart, imaging of the shoulder, radius, ulna, stifle, spine, skull, and pelvis. Permission of department required. Typically offered Fall Spring Summer.

6.5 Credits

Summer 3rd Year

VCS 23300 - Introduction to Ophtho Derm and Oncology-DL

Credit Hours: 1.00. This course involves the instruction of nursing and management of small animal patients related to ophthalmology, dermatology, and oncology. It presents concepts of small animal patient care and treatment that a technician will be expected to provide in a veterinary practice. It includes techniques, equipment, client education, management of the hospitalized patient, and preventative medicine related to these specific clinical disciplines. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall Spring Summer.

VCS 23700 - Large Animal Nursing and Health Management III - Distance Learning

Credit Hours: 1.50. This is the third of four courses involving large animal and equine nursing and health management for the veterinary technician. This course focuses more on the observation/assessment of the animal, handling techniques, and basic medical care and management that a technician will be expected to provide in a veterinary practice. Typically offered Summer Fall Spring.

CPB 22500 - Parasitology for Veterinary Technicians I - DL

Credit Hours: 1.00. This course is the first of two courses that provide basic instruction in the concepts of parasitology for the veterinary technician student. This course will place an emphasis on the basic information needed to accurately identify parasites commonly encountered in veterinary medicine. Emphasis will be placed on life cycles and the zoonotic aspects of the parasites. Typically offered Fall Spring Summer.

VM 20600 - Small Animal Nursing Clinical Mentorship II-DL

Credit Hours: 1.00. This is the second of three clinical mentorships in small animal nursing. This mentorship requires the student to work with a small animal veterinary care facility to practice several tasks under the supervision of a clinical mentor. This clinical mentorship focuses on the principles of venipuncture, catheter placement, various methods of urine collection, vaginal cytology, dental prophylaxis, and ECG tracings. Permission of department required. Typically offered Fall Spring Summer.

4.5 Credits

Fall 4th Year

VCS 23800 - Large Animal Nursing and Health Management IV - Distance Learning

Credit Hours: 1.50. This is the fourth of four courses involving large animal and equine nursing and health management for the veterinary technician. This course focuses more on the handling techniques and basic medical care and management that a technician will be expected to provide in a veterinary practice. Emphasis will be on the role of the veterinary technician in practice. Typically offered Summer Fall Spring.

VCS 22100 - Veterinary Nursing Techniques For The Normal Animal (SA & LA)

Credit Hours: 4.00. The course will introduce the students to concepts related to normal, healthy large and small animal patients. The course includes both lecture and laboratory components. Typically offered Fall.

CPB 22600 - Parasitology for Veterinary Technicians II - DL

Credit Hours: 1.00. This course is the second of two courses that provide basic instruction in the concepts of parasitology for the veterinary technician student. This course will place an emphasis on the basic information needed to accurately identify parasites commonly encountered in veterinary medicine. Emphasis will also be placed on life cycles and the zoonotic aspects. Students are expected to be able to make accurate identifications and to communicate effectively. Typically offered Fall Spring Summer.

CPB 15200 - Clinical Pathology III-DL

Credit Hours: 1.00. This course is the third of three courses that provide basic instruction in the concepts of clinical pathology to the veterinary technician student. This course will place an emphasis on the basic concepts of clinical chemistry, urinalysis evaluation, as well as the fundamentals of cytological sample handling and evaluation. Typically offered Fall Spring Summer.

VM 20700 - Small Animal Nursing Clinical Mentorship III-DL

Credit Hours: 1.00. This is the third of three clinical mentorships in small animal nursing. This mentorship will require the student to work with a small animal veterinary care facility to practice several tasks under the supervision of a clinical mentor. This clinical mentorship focuses on the principles of oncology, dermatology, ophthalmology, and emergency care procedures. Permission of department required. Typically offered Fall Spring Summer.

5.5 Credits

Spring 4th Year

CPB 24000 - Public and Occupational Health for Vet Techs I -DL

Credit Hours: 1.00. This is the first of two courses that provide basic instruction in the concepts of workplace safety related to the veterinary technician. This course will place an emphasis on the basic information needed to recognize hazards commonly encountered and the steps that should be taken to reduce the risk of exposure to hazards. Other practical aspects of public health will be discussed. Typically offered Fall Spring Summer.

VM 24600 - Management Topics for Vet Techs II-DL

Credit Hours: 1.50. This course is the second of two courses that provide basic instruction in the concepts of a veterinary technician's role in the management of day-to-day operations of a veterinary clinic. This course will place an emphasis on client interaction including active listening skills, effective client communication, handling emotional clients, and euthanasia and client grief. Students must be currently working/volunteering at least 10-15 hours a week at a veterinary facility. Typically offered Fall Spring.

VM 20800 - Large Animal Medical Nursing Clinical Mentorship -DL

Credit Hours: 1.00. This clinical mentorship focuses on the principles of basic handling, nursing, and diagnostic techniques used in large animal medicine. Permission of department required. Typically offered Summer Fall Spring.

VM 20900 - Equine Medical Nursing Clinical Mentorship - DL

Credit Hours: 1.00. This clinical mentorship focuses on the principles of handling, restraint, and equine nursing care. Tasks to be documented include restraint and handling techniques, data collection, basic nursing care, and administration of medication and treatments. Permission of department required. Typically offered Summer Fall Spring.

VM 22600 - Laboratory Animal Clinical Mentorship -DL

Credit Hours: 0.50. This clinical mentorship focuses on the motor skills involved with the basic handling, restraint, administration of medication and nursing care of laboratory animals. Permission of department required. Typically offered Summer Fall Spring.

5 Credits

Summer 4th Year

VM 21000 - Small Animal Anesthesia-Clinical Mentorship-DL

Credit Hours: 2.00. This mentorship will require the student to work with a small animal veterinary care facility to practice several tasks under the supervision of a clinical mentor. This mentorship focuses on the principles of anesthesia from induction, maintenance to recovery. Permission of department required. Typically offered Summer Fall Spring.

VM 21100 - Food Animal and Equine Anesthesia-Clinical Mentorship-DL

Credit Hours: 1.00. This mentorship will require the student to work with a food animal or equine veterinary care facility to practice several tasks under the supervision of a clinical mentor. This mentorship focuses on the principles of large animal and equine anesthesia from induction and maintenance to recovery. Permission of department required. Typically offered Summer Fall Spring.

VM 21200 - Operating Room Techniques and Sterilization -Clinical Mentorship-DL

Credit Hours: 0.50. This clinical mentorship will require the student to work in a veterinary care facility to practice several tasks under the supervision of a clinical mentor. This mentorship focuses on the principles of operating room procedures, patient and instrument preparation for surgery and the duties of the circulating nurse and the scrub nurse. Permission of department required. Typically offered Summer Fall Spring.

3.5 Credits

Fall 5th Year

CPB 24100 - Public and Occupational Health for Vet Techs II-DL

Credit Hours: 1.00. This is the second of two courses that provide basic instruction in the concepts of workplace safety related to the veterinary technician. Typically offered Fall Spring Summer.

VM 21700 - Food Animal and Equine Diagnostic Imaging-Clinical Mentorship

Credit Hours: 0.50. This clinical mentorship will require the student to work with a food animal/equine veterinary care facility to practice several tasks under the supervision of a clinical mentor. This mentorship focuses on the imaging of the carpus, fetlock, tarsus, navicular projection, P3 views, and the dorsoproximal-palmarodistal view. Permission of department required. Typically offered Fall Spring Summer.

VM 22200 - Parasitology Microbiology Clinical Mentorship -DL

Credit Hours: 1.00. This clinical mentorship focuses on the motor skills required to sample, prepare specimens for examination, and for technician level diagnostic techniques. Tasks to be documented include collection of microbiological samples, techniques for staining and testing samples, techniques for collecting and testing common parasites. Permission of department required. Typically offered Summer Fall Spring.

VM 22700 - Clinical Pathology Clinical Mentorship-DL

Credit Hours: 2.00. This clinical mentorship will require the student to work with a laboratory, small or large animal veterinary care facility to practice several tasks under the supervision of a clinical mentor. This clinical mentorship focuses on the principles of blood film evaluation for different species, manual and automated CBCs, normal and abnormal cellular morphology, urinalysis, chemistry panels, and differentials. Permission of department required. Typically offered Fall Spring Summer.

- Free elective - Credit Hours: 2.00

6.5 Credits

Spring 5th Year

*can be taken concurrently

VM 24800 - Understanding Animal Disease-DL

Credit Hours: 2.00. This course is a survey of common small animal and large animal diseases, their clinical signs, and how these signs can be explained by physiology and pathophysiology. The zoonotic potential for the disease and the role of the veterinary technician in the treatment, management, and education of client/owner of the affected animal is also emphasized. Typically offered Fall Spring Summer.

VM 22500 - Advanced Clinical Mentorship - DL

Credit Hours: 1.50. This clinical mentorship will require the student to complete 120 hours of additional work experience while completing a series of selected projects related to veterinary medicine. Permission of department required. Typically offered Summer Fall Spring.

VM 22400 - Necropsy Clinical Mentorship For Veterinary Technology

Credit Hours: 0.50. This clinical mentorship focuses on the motor skills and techniques in performing a basic prosection (necropsy). Tasks include basic necropsy technique, techniques for sample collection and storage, and safety issues related to handling animal specimens. Course is offered as Distance Learning. Permission of department required. Typically offered Summer Fall Spring.

4 Credits

Note

70 semester credits required for Associate in Applied Science degree.

2.0 Graduation GPA required for Associate in Applied Science degree.

Degree Requirements

The student is ultimately responsible for knowing and completing all degree requirements.

Consultation with an academic advisor is strongly advised.

Critical Course

The ♦ course is considered critical. A Critical Course is one that a student must be able to pass to persist and succeed in a particular major.

Veterinary Technology 2+2, BS

About the Program

Veterinary Technology Program

Baccalaureate Degree Completion Program

The Bachelor's (BS) Completion Program builds upon college credits and the associate degree equivalents earned during the AAS or AS Veterinary Technician degree. This program is designed to enable graduates of accredited associate degree Veterinary Technician programs to become veterinary technologists by earning a bachelor's degree.

In total, 127.5 credits hours are required for the Purdue BS degree in Veterinary Technology. The BS Completion uses transfer credits from the associate degree to satisfy the competencies required for the second and third years of the BS degree, which are the clinical portion of the associate degree. In order to graduate from this program, students must complete a minimum of 32 credit hours of 30000 to 40000-level courses at the Purdue University campus, in addition to the BS degree requirements.

Limited class size necessitates a competitive admission process for available openings. If admitted, a credit evaluation will be completed to determine transfer credit that will be applied towards the degree.

Degree Requirements and Supplemental Information

The full Program Requirements for 2016-17 Veterinary Tech - BS VTAB include all Supplemental Information and selective lists of those categories which a student must fulfill in order to earn their degree. These are intended to be printer-friendly, but include less descriptive course detail.

Please see below for program requirements and the necessary degree fulfillments.

V - BS

VTAB

127.5 Credits

Departmental/Program Major Courses (90 credits)

VM 14000 - Introduction To Veterinary Technology

Credit Hours: 1.00. This course provides an orientation to the profession of Veterinary Technology. Typically offered Fall.

BMS 23100 - Anatomy For Veterinary Technicians

Credit Hours: 4.00. Gross and microscopic study of body systems and topographic relationships in major animal species. Laboratory consists of dissection as well as study of living animals. Typically offered Fall.

BMS 23200 - Physiology For Veterinary Technicians

Credit Hours: 2.00. Basic mammalian physiology, which covers general physiological processes with emphasis on domestic animals. Laboratory experiences and demonstrations form a major part of the laboratory instruction. Typically offered Fall.

VCS 22100 - Veterinary Nursing Techniques For The Normal Animal (SA & LA)

Credit Hours: 4.00. The course will introduce the students to concepts related to normal, healthy large and small animal patients. The course includes both lecture and laboratory components. Typically offered Fall.

VM 24100 - Safety, Prevention And Public Health

Credit Hours: 1.00. This course will cover selected zoonotic diseases, occupational hazards and safety issues, related to the veterinary health care team and veterinary facility. Typically offered Fall.

VM 24300 - Clinic Rotations I

Credit Hours: 1.50. This course will provide the basic learning situations for developing the techniques required of veterinary technicians in pharmacy, radiology, surgery, medical nursing, and ancillary areas. Total clinic hours 9/week. Typically offered Fall.

VCS 25100 - Introduction To Diagnostic Imaging For The Veterinary Technician

Credit Hours: 0.50. This course is an introduction to veterinary diagnostic imaging and is designed to instruct the veterinary technician student in the basic principles of imaging, necessary to perform imaging tasks within a veterinary hospital. This course will introduce the fundamentals needed in the clinical imaging rotations and in practice. Typically offered Fall.

VCS 22200 - Dentistry For The Veterinary Technician

Credit Hours: 0.50. This course is an introduction to veterinary dentistry for the technician, with emphasis on basic dental anatomy, pathologies and treatments, dental charting, intraoral radiography, dental cleaning and periodontal disease management. Typically offered Fall.

VCS 22300 - Surgical Nursing And Operating Room Protocols

Credit Hours: 1.00. This course is an introduction to the surgical environment and all aspects related to the principles of asepsis and the practice of sterile technique. Students will learn using a variety of teaching modalities (lecture, group work, laboratory experience). Typically offered Fall.

VM 42500 - Veterinary Technician Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the college together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring Summer.

- VM 25100 - Medical Math And Terminology For Veterinary Technicians

VCS 22400 - Small Animal Nursing I

Credit Hours: 2.00. This course will introduce students to nursing and diagnostic techniques for small animals and the body's response to disease. Typically offered Spring.

VCS 22500 - Large Animal Nursing I

Credit Hours: 2.00. This course builds on concepts learning in VCS 22100 related to normal, healthy large animal patients. It also introduces the students to higher level patient care for the large animal patient. Typically offered Spring.

CPB 25500 - Clinical Pathology For Veterinary Technicians

Credit Hours: 4.00. Basic instruction in clinical pathology, including theory and techniques of hematology, clinical chemistry, urinalysis, cytology, and specimen handling. Typically offered Spring.

BMS 23300 - Introduction To Pharmacology For Veterinary Technicians

Credit Hours: 0.50. This course introduces the concepts and terminology of pharmacology including basic terminology, pharmacokinetics, and pharmacodynamics. Typically offered Spring.

VCS 22600 - Principles Of Anesthesia

Credit Hours: 2.00. This course is an introduction to surgical nursing and anesthesia. The principles of asepsis and sterile technique will be introduced and demonstrated by staff and in some cases, practiced by the student. The basics of anesthesia will be introduced and practiced by the student. Typically offered Spring.

VCS 25200 - Diagnostic Imaging For Veterinary Technicians

Credit Hours: 2.00. Provides an introduction to imaging of domestic animals. Emphasis will be placed on radiological principles and techniques, darkroom procedures and design, preparing technique charts for various X-ray units, animal positioning, and radiation safety. Typically offered Spring.

VCS 22800 - Small And Large Animal Well Animal Nutrition

Credit Hours: 1.00. This course will introduce students to an overview of nutritional concepts as it applies to common domestic small and large animal species and selected exotic companion/avian pets. Basic concepts for understanding nutritional needs for all species will be introduced as well as therapeutic use of diets as it relates to animal nursing. Typically offered Spring.

- VM 42500 - Veterinary Technician Grand Rounds

VM 24400 - Clinical Rotations II

Credit Hours: 1.5. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Spring.

VM 24900 - Clinical Rotations III

Credit Hours: 3.5. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Summer.

VM 24200 - Integrations I

Credit Hours: 1.00. An introduction to problem based learning of the nursing process (patient evaluations, interventions, and desired resolutions) using a case based approach. This course will integrate foundational knowledge from anatomy, physiology, with information in the veterinary nursing courses. Cases will involve different domestic animal species. Students will learn using a variety of teaching modalities (lecture, group work, problem based learning). Typically offered Fall.

VM 32300 - Laboratory Animals And Nursing Of Non-Traditional Pets

Credit Hours: 2.00. This course will cover the proper methods of restraint, daily care, nursing techniques, and housing needs for the common species of laboratory animals. Typically offered Spring.

BMS 33100 - Pharmacology For Veterinary Technicians

Credit Hours: 1.50. This course introduces the concepts of drugs used in the different body systems. Mechanisms of action, side effects, and therapeutic applications are presented. Typically offered Fall.

VCS 32100 - Large Animal Nursing II

Credit Hours: 2.00. This course build on concepts learned in VCS 22100 and VCS 22500 related to normal, healthy large animals patients. It also introduces the student to higher level patient care for the large animal patient. Typically offered Fall.

VCS 32200 - Small Animal Nursing II

Credit Hours: 2.00. This course will cover management of hospitalized patients, client education, and preventative medicine programs. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall.

VM 34300 - Clinical Rotations IV

Credit Hours: 5.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Fall.

CPB 35100 - Microbiology For Veterinary Technicians

Credit Hours: 2.00. Biology and laboratory identification of bacteria and fungi that cause infectious diseases in animals. Emphasis will be placed on the collection of specimens for culture, the isolation and identification of pathogenic organisms, and antibiotic susceptibility testing. Procedures and commercial systems available to veterinary practices will be utilized. Typically offered Spring.

CPB 35200 - Parasitology For Veterinary Technicians

Credit Hours: 2.00. Biology and life cycles of selected protozoan, helminth, and arthropod parasites of veterinary importance. Emphasis will be placed on laboratory procedures for the identification of common parasites of domestic and laboratory animals. Typically offered Spring.

VM 34500 - Management I

Credit Hours: 1.50. The course will introduce students to concepts related to working in and managing a veterinary practice. Emphasis will be on client communication and education as well as facilitating a job search, interviewing and cover letter and resume creation. Typically offered Spring.

VM 34400 - Clinic Rotations V

Credit Hours: 5.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical radiology, pharmacy, and ancillary areas. Typically offered Spring.

VM 34200 - Integrations II

Credit Hours: 1.00. A continuation to problem based learning of the nursing process using a case based approach. This course will integrate foundational knowledge from anatomy, physiology, veterinary nursing courses, clinical pathology, pharmacology, anesthesia diagnostic imaging, microbiology and parasitology. Cases will involve different domestic animal species and laboratory animals. Students will learn using a variety of teaching modalities (lecture, group work, problem-based learning). Typically offered Spring.

VM 39000 - Practicum

Credit Hours: 4.00. Veterinary technologist level off-campus experience in one area of interest totaling 480 hours over 12 weeks. Typically offered Fall Spring Summer.

VM 41001 - International Practicum

Credit Hours: 4.00. The student will experience an integrated employment situation combined with veterinary team interaction to augment his/her specialized CoVM clinical learning experiences. The student will work under the direct supervision of a licensed veterinarian or credentialed veterinary technician designee of tech veterinarian. The student is required to complete a pre-departure orientation with the PVM Director of International Programs. Typically offered Summer.

VM 44400 - Veterinary Technology Clinical Orientation

Credit Hours: 3.00. This course is an intensive experience and clinical orientation to the Veterinary Teaching Hospital for graduates from another AVMA accredited Veterinary Technology program who wish to complete a BS degree at Purdue University. This course is a four week long, full day rotation (40 hours per week). Typically offered Summer.

VM 44100 - Occupational And Public Health For Veterinary Technicians

Credit Hours: 1.00. The course covers selected aspects of public health and safety related to the veterinary health care team, patient, client and public. Typically offered Fall.

VCS 46700 - Diagnostic Instrumentation

Credit Hours: 2.00. A laboratory in the utilization, care, and maintenance of electronic equipment used in veterinary diagnostics. Typically offered Spring.

VM 44200 - Management II

Credit Hours: 1.50. This course is a continuation of the first veterinary practice management course. It will introduce students to concepts related to leading a veterinary medical team and managing the day-to-day management of the veterinary practice. Emphasis will be on human resources, marketing and financial management. Typically offered Fall.

BMS 46400 - Clinical Pharmacology And Toxicology For Veterinary Technologists

Credit Hours: 2.00. The common toxicants and advanced topics on the drugs most commonly encountered in veterinary medicine. Emphasis is on mechanisms, indications, contraindications, and proper applications and handling of these drugs. Permission of department required. Typically offered Spring.

VM 44300 - Clinic Rotations VI

Credit Hours: 2.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Spring.

CPB 48000 - Seminar In Animal Welfare And Human-Animal Interaction

Credit Hours: 2.00. This course will be required for students involved in the interdisciplinary "Animal Welfare and Societal Concerns" program of study. Seminar in Animal Welfare and Human-Animal Interaction is for discussion of current topics in animal welfare and other areas involving the interaction of humans and animals. Outside speakers will present their perspectives in various areas. Journal articles will also be presented and discussed. Typically offered Fall.

- VM 42500 - Veterinary Technician Grand Rounds

VCS 41800 - Applied Small Animal Behavior

Credit Hours: 2.00. Clinical applications of canine and feline behavior problems. The normal and common abnormal behaviors of domestic dogs and cats will be presented. Emphasis will be on taking clinical history from owner, observing animals, and establishing behavioral modification treatment plans as part of the veterinary team. Typically offered Spring.

VM 44500 - Veterinary Technology Senior Project

Credit Hours: 4.00. This is an independent study course in which the student engages in learning activities to enhance their

knowledge in a particular area of veterinary technology of their choosing, demonstrate effective oral and written communication, and apply analysis, integration, and syntheses to achieve a solution. Typically offered Spring.

- VM 42500 - Veterinary Technician Grand Rounds
- Veterinary Technology Electives - Credit Hours: 7.00

Note

A Veterinary Technology associate degree from an AVMA-accredited associate degree program satisfies the course requirements for the 2nd and 3rd years of the Purdue Veterinary Technology BS Completion program. Students who have graduated from AVMA accredited proprietary programs whose credits do not transfer to Purdue will have departmental credits assigned to associate degree level Veterinary Technology course work. Most graduates of AVMA-accredited proprietary programs come in with approximately 30 credits. The Purdue Transfer Credit Course Equivalency Guide is used to view how Purdue undergraduate courses compare to those of other institutions. Students MUST work closely with advisor.

Other Program Course Requirements (minimum 35 credits)

BIOL 11000 - Fundamentals Of Biology I

Credit Hours: 4.00. This course is designed primarily to provide an introduction to the principles of biology for students in agriculture and health sciences. Principles of biology, focusing on diversity, ecology, evolution, and the development, structure, and function of organisms. Typically offered Summer Fall Spring.

- BIOL 11100 - Fundamentals Of Biology II (satisfies Science)

COM 11400 - Fundamentals Of Speech Communication

Credit Hours: 3.00. A study of communication theories as applied to speech; practical communicative experiences ranging from interpersonal communication and small group process through problem identification and solution in discussion to informative and persuasive speaking in standard speaker-audience situations. Typically offered Fall Spring Summer. NOTE: Concurrent registration is not permitted for ENGL 10600 and COM 11400. CTL:ICM 1103 Fundamentals Of Public Speaking

ENGL 10600 - First-Year Composition

Credit Hours: 4.00. Extensive practice in writing clear and effective prose. Instruction in organization, audience, style, and research-based writing. Typically offered Fall Spring Summer. NOTE: Concurrent registration is not permitted for ENGL 10600 and COM 11400.

ENGL 10800 - Accelerated First-Year Composition

Credit Hours: 3.00. An accelerated composition course that substitutes for ENGL 10600 for students showing superior writing ability. Typically offered Summer Fall Spring.

CHM 11100 - General Chemistry

Credit Hours: 3.00. Not available for credit toward graduation in the School of Science. Required of all freshmen in the School of Agriculture who are not in CHM 11500 and required of students in the School of Consumer and Family Sciences in retailing, textile, RHIT, and dietetics options who are not in CHM 11500. Required of students in physical therapy who are not in CHM 11500. Not available for credit toward graduation in the School of Science. Metric and S.I. Units; dimensional analysis; density; the atomic concept; elements, compounds, and mixtures; the mole concept; equations and stoichiometry; atomic structure, spectra; the periodic table; chemical bonding, gases; descriptive chemistry of the common elements. Prerequisite: two years of high school algebra. Typically offered Fall Spring.

CHM 11500 - General Chemistry

Credit Hours: 4.00. Stoichiometry; atomic structure; periodic properties; ionic and covalent bonding; molecular geometry; gases, liquids, and solids; crystal structure; thermochemistry; descriptive chemistry of metals and non-metals. Required of students majoring in science and students in engineering who are not in CHM 12300. One year of high school chemistry or one semester of college chemistry required. Typically offered Fall Spring Summer. CTL:IPS 1721 General Chemistry I w/lab

CHM 11200 - General Chemistry

Credit Hours: 3.00. Continuation of CHM 11100. Liquids and solids; solutions; chemical kinetics; equilibrium; acids and bases; oxidation and reduction; electrochemistry; descriptive chemistry of the metals and nonmetals; introduction to organic chemistry; nuclear chemistry. Not available for credit toward graduation in the School of Science. Typically offered Spring.

CHM 11600 - General Chemistry

Credit Hours: 4.00. A continuation of CHM 11500. Solutions; quantitative equilibria in aqueous solution; introductory thermodynamics; oxidation-reduction and electrochemistry; chemical kinetics; qualitative analysis; further descriptive chemistry of metals and nonmetals. Typically offered Fall Spring Summer. CTL:IPS 1722 General Chemistry II w/lab

MA 15300 - Algebra And Trigonometry I

Credit Hours: 3.00. Exponents and radicals; algebraic and fractional expressions. Equations and inequalities, systems of linear equations. Polynomial, exponential, and logarithmic functions. Not open to students with credit in MA 15900. Not available for credit toward graduation in the School of Science. Typically offered Fall Spring Summer. CTL:IMA 1601 College Algebra

- Science, Technology & Society Selective - Credit Hours: 3.00
- Humanities Outcome Selective - Credit Hours: 3.00
- Behavior/Social Science Outcome Selective - Credit Hours: 3.00

ENGL 42000 - Business Writing

Credit Hours: 3.00. Workplace writing in networked environments for management contexts. Emphasizes organizational context, project planning, document management, ethics, research, team writing. Typical genres include management memos, reports, letters, e-mail, resumes (print and online), oral presentations. Typically offered Summer Fall Spring.

ENGL 42100 - Technical Writing

Credit Hours: 3.00. Workplace writing in networked environments for technical contexts. Emphasizes context and user analysis, data analysis/display, project planning, document management, usability, ethics, research, team writing. Typical genres include technical reports, memos, documentation, Web sites. Typically offered Fall Spring Summer.

COM 32000 - Small Group Communication

Credit Hours: 3.00. A study of group thinking and problem-solving methods; participation in, and evaluation of, committee, and informal discussion groups. Focus on the roles, networks, and messages employed by small group communicators. Typically offered Fall Spring Summer.

COM 32400 - Introduction To Organizational Communication

Credit Hours: 3.00. An introduction to fundamental concepts and basic research related to communication behavior in organizational settings. Units cover message processing, leadership communication, communication climates, communication training, and communication audits. Students participate in an organizational simulation in some sections. Typically offered Summer Fall Spring.

COM 31800 - Principles Of Persuasion

Credit Hours: 3.00. Persuasion and its effects, ranging from individual influences to societal impacts. Various perspectives and models of persuasion are examined, including classical and modern approaches. Both theoretical and pragmatic considerations are introduced. Typically offered Fall Spring Summer.

Free Electives (minimum of 2.5 credits)

University Core Requirements

- Human Cultures Humanities
- Human Cultures Behavioral/Social Science
- Science #1
- Science #2
- Science, Technology & Society Selective
- Information Literacy

- Written Communication
- Oral Communication
- Quantitative Reasoning

Office of the Provost Purdue's Undergraduate Outcomes-based Core Curriculum
www.purdue.edu/provost/initiatives/curriculum/index.html

Program Requirements

Fall 1st Year

ENGL and COM cannot be taken in the same semester

CHM 11100 - General Chemistry

Credit Hours: 3.00. Not available for credit toward graduation in the School of Science. Required of all freshmen in the School of Agriculture who are not in CHM 11500 and required of students in the School of Consumer and Family Sciences in retailing, textile, RHIT, and dietetics options who are not in CHM 11500. Required of students in physical therapy who are not in CHM 11500. Not available for credit toward graduation in the School of Science. Metric and S.I. Units; dimensional analysis; density; the atomic concept; elements, compounds, and mixtures; the mole concept; equations and stoichiometry; atomic structure, spectra; the periodic table; chemical bonding, gases; descriptive chemistry of the common elements. Prerequisite: two years of high school algebra. Typically offered Fall Spring.

CHM 11500 - General Chemistry

Credit Hours: 4.00. Stoichiometry; atomic structure; periodic properties; ionic and covalent bonding; molecular geometry; gases, liquids, and solids; crystal structure; thermochemistry; descriptive chemistry of metals and non-metals. Required of students majoring in science and students in engineering who are not in CHM 12300. One year of high school chemistry or one semester of college chemistry required. Typically offered Fall Spring Summer. CTL:IPS 1721 General Chemistry I w/lab

COM 11400 - Fundamentals Of Speech Communication

Credit Hours: 3.00. A study of communication theories as applied to speech; practical communicative experiences ranging from interpersonal communication and small group process through problem identification and solution in discussion to informative and persuasive speaking in standard speaker-audience situations. Typically offered Fall Spring Summer. NOTE: Concurrent registration is not permitted for ENGL 10600 and COM 11400. CTL:ICM 1103 Fundamentals Of Public Speaking

MA 15300 - Algebra And Trigonometry I

Credit Hours: 3.00. Exponents and radicals; algebraic and fractional expressions. Equations and inequalities, systems of linear equations. Polynomial, exponential, and logarithmic functions. Not open to students with credit in MA 15900. Not available for credit toward graduation in the School of Science. Typically offered Fall Spring Summer. CTL:IMA 1601 College Algebra

VM 14000 - Introduction To Veterinary Technology

Credit Hours: 1.00. This course provides an orientation to the profession of Veterinary Technology. Typically offered Fall.

BIOL 11000 - Fundamentals Of Biology I

Credit Hours: 4.00. This course is designed primarily to provide an introduction to the principles of biology for students in agriculture and health sciences. Principles of biology, focusing on diversity, ecology, evolution, and the development, structure, and function of organisms. Typically offered Summer Fall Spring.

- UCC Science, Technology & Society Selective - Credit Hours: 3.00 *

17 - 18 Credits

Spring 1st Year

CHM 11200 - General Chemistry

Credit Hours: 3.00. Continuation of CHM 11100. Liquids and solids; solutions; chemical kinetics; equilibrium; acids and bases; oxidation and reduction; electrochemistry; descriptive chemistry of the metals and nonmetals; introduction to organic chemistry; nuclear chemistry. Not available for credit toward graduation in the School of Science. Typically offered Spring.

CHM 11600 - General Chemistry

Credit Hours: 4.00. A continuation of CHM 11500. Solutions; quantitative equilibria in aqueous solution; introductory thermodynamics; oxidation-reduction and electrochemistry; chemical kinetics; qualitative analysis; further descriptive chemistry of metals and nonmetals. Typically offered Fall Spring Summer. CTL:IPS 1722 General Chemistry II w/lab

BIOL 11100 - Fundamentals Of Biology II

Credit Hours: 4.00. This course is designed primarily to provide an introduction to the principles of biology for students in agriculture and health sciences. Continuation of BIOL 11000. Principles of biology, focusing on cell structure and function, molecular biology, and genetics. Typically offered Fall Spring.

ENGL 10600 - First-Year Composition

Credit Hours: 4.00. Extensive practice in writing clear and effective prose. Instruction in organization, audience, style, and

research-based writing. Typically offered Fall Spring Summer. NOTE: Concurrent registration is not permitted for ENGL 10600 and COM 11400.

ENGL 10800 - Accelerated First-Year Composition

Credit Hours: 3.00. An accelerated composition course that substitutes for ENGL 10600 for students showing superior writing ability. Typically offered Summer Fall Spring.

- UCC Behavior/Social Science Selective - Credit Hours: 3.00 *
- UCC Humanities Selective - Credit Hours: 3.00 *

16 - 18 Credits

Fall 2nd Year

BMS 23100 - Anatomy For Veterinary Technicians

Credit Hours: 4.00. Gross and microscopic study of body systems and topographic relationships in major animal species. Laboratory consists of dissection as well as study of living animals. Typically offered Fall.

BMS 23200 - Physiology For Veterinary Technicians

Credit Hours: 2.00. Basic mammalian physiology, which covers general physiological processes with emphasis on domestic animals. Laboratory experiences and demonstrations form a major part of the laboratory instruction. Typically offered Fall.

VCS 22100 - Veterinary Nursing Techniques For The Normal Animal (SA & LA)

Credit Hours: 4.00. The course will introduce the students to concepts related to normal, healthy large and small animal patients. The course includes both lecture and laboratory components. Typically offered Fall.

VM 24100 - Safety, Prevention And Public Health

Credit Hours: 1.00. This course will cover selected zoonotic diseases, occupational hazards and safety issues, related to the veterinary health care team and veterinary facility. Typically offered Fall.

VM 24300 - Clinic Rotations I

Credit Hours: 1.50. This course will provide the basic learning situations for developing the techniques required of veterinary technicians in pharmacy, radiology, surgery, medical nursing, and ancillary areas. Total clinic hours 9/week. Typically offered Fall.

VCS 25100 - Introduction To Diagnostic Imaging For The Veterinary Technician

Credit Hours: 0.50. This course is an introduction to veterinary diagnostic imaging and is designed to instruct the veterinary technician student in the basic principles of imaging, necessary to perform imaging tasks within a veterinary hospital. This course will introduce the fundamentals needed in the clinical imaging rotations and in practice. Typically offered Fall.

VCS 22200 - Dentistry For The Veterinary Technician

Credit Hours: 0.50. This course is an introduction to veterinary dentistry for the technician, with emphasis on basic dental anatomy, pathologies and treatments, dental charting, intraoral radiography, dental cleaning and periodontal disease management. Typically offered Fall.

VCS 22300 - Surgical Nursing And Operating Room Protocols

Credit Hours: 1.00. This course is an introduction to the surgical environment and all aspects related to the principles of asepsis and the practice of sterile technique. Students will learn using a variety of teaching modalities (lecture, group work, laboratory experience). Typically offered Fall.

VM 42500 - Veterinary Technician Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the college together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring Summer.

VM 25100 - Medical Math And Terminology For Veterinary Technicians

Credit Hours: 0.50. This course will introduce students to fundamental medical terminology and basic math and dosage calculations commonly used in veterinary medicine. The course includes both classroom and on-line components. Typically offered Fall.

15 Credits

Spring 2nd Year

VCS 22400 - Small Animal Nursing I

Credit Hours: 2.00. This course will introduce students to nursing and diagnostic techniques for small animals and the body's response to disease. Typically offered Spring.

VCS 22500 - Large Animal Nursing I

Credit Hours: 2.00. This course builds on concepts learned in VCS 22100 related to normal, healthy large animal patients. It also introduces the students to higher level patient care for the large animal patient. Typically offered Spring.

CPB 25500 - Clinical Pathology For Veterinary Technicians

Credit Hours: 4.00. Basic instruction in clinical pathology, including theory and techniques of hematology, clinical chemistry, urinalysis, cytology, and specimen handling. Typically offered Spring.

BMS 23300 - Introduction To Pharmacology For Veterinary Technicians

Credit Hours: 0.50. This course introduces the concepts and terminology of pharmacology including basic terminology, pharmacokinetics, and pharmacodynamics. Typically offered Spring.

VCS 22600 - Principles Of Anesthesia

Credit Hours: 2.00. This course is an introduction to surgical nursing and anesthesia. The principles of asepsis and sterile technique will be introduced and demonstrated by staff and in some cases, practiced by the student. The basics of anesthesia will be introduced and practiced by the student. Typically offered Spring.

VCS 25200 - Diagnostic Imaging For Veterinary Technicians

Credit Hours: 2.00. Provides an introduction to imaging of domestic animals. Emphasis will be placed on radiological principles and techniques, darkroom procedures and design, preparing technique charts for various X-ray units, animal positioning, and radiation safety. Typically offered Spring.

VCS 22800 - Small And Large Animal Well Animal Nutrition

Credit Hours: 1.00. This course will introduce students to an overview of nutritional concepts as it applies to common domestic small and large animal species and selected exotic companion/avian pets. Basic concepts for understanding nutritional needs for all species will be introduced as well as therapeutic use of diets as it relates to animal nursing. Typically offered Spring.

VM 42500 - Veterinary Technician Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the college together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring Summer.

VM 24400 - Clinical Rotations II

Credit Hours: 1.5. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Spring.

15 Credits

Summer Between Year 2 and 3

Rotations is 6 wks. Two sections: weeks 1-6 or 10-15 (Vacation for 9 weeks)

VM 24900 - Clinical Rotations III

Credit Hours: 3.5. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Summer.

3.5 Credit

Fall 3rd Year

VM 32300 - Laboratory Animals And Nursing Of Non-Traditional Pets

Credit Hours: 2.00. This course will cover the proper methods of restraint, daily care, nursing techniques, and housing needs for the common species of laboratory animals. Typically offered Spring.

VM 24200 - Integrations I

Credit Hours: 1.00. An introduction to problem based learning of the nursing process (patient evaluations, interventions, and desired resolutions) using a case based approach. This course will integrate foundational knowledge from anatomy, physiology,

with information in the veterinary nursing courses. Cases will involve different domestic animal species. Students will learn using a variety of teaching modalities (lecture, group work, problem based learning). Typically offered Fall.

BMS 33100 - Pharmacology For Veterinary Technicians

Credit Hours: 1.50. This course introduces the concepts of drugs used in the different body systems. Mechanisms of action, side effects, and therapeutic applications are presented. Typically offered Fall.

VCS 32100 - Large Animal Nursing II

Credit Hours: 2.00. This course build on concepts learned in VCS 22100 and VCS 22500 related to normal, healthy large animals patients. It also introduces the student to higher level patient care for the large animal patient. Typically offered Fall.

VCS 32200 - Small Animal Nursing II

Credit Hours: 2.00. This course will cover management of hospitalized patients, client education, and preventative medicine programs. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall.

VM 34300 - Clinical Rotations IV

Credit Hours: 5.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Fall.

13.5 Credits

Spring 3rd Year

CPB 35100 - Microbiology For Veterinary Technicians

Credit Hours: 2.00. Biology and laboratory identification of bacteria and fungi that cause infectious diseases in animals. Emphasis will be placed on the collection of specimens for culture, the isolation and identification of pathogenic organisms, and antibiotic susceptibility testing. Procedures and commercial systems available to veterinary practices will be utilized. Typically offered Spring.

CPB 35200 - Parasitology For Veterinary Technicians

Credit Hours: 2.00. Biology and life cycles of selected protozoan, helminth, and arthropod parasites of veterinary importance. Emphasis will be placed on laboratory procedures for the identification of common parasites of domestic and laboratory animals. Typically offered Spring.

VM 34500 - Management I

Credit Hours: 1.50. The course will introduce students to concepts related to working in and managing a veterinary practice. Emphasis will be on client communication and education as well as facilitating a job search, interviewing and cover letter and resume creation. Typically offered Spring.

VM 34400 - Clinic Rotations V

Credit Hours: 5.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical radiology, pharmacy, and ancillary areas. Typically offered Spring.

VM 34200 - Integrations II

Credit Hours: 1.00. A continuation to problem based learning of the nursing process using a case based approach. This course will integrate foundational knowledge from anatomy, physiology, veterinary nursing courses, clinical pathology, pharmacology, anesthesia diagnostic imaging, microbiology and parasitology. Cases will involve different domestic animal species and laboratory animals. Students will learn using a variety of teaching modalities (lecture, group work, problem-based learning). Typically offered Spring.

- Vet Tech Electives - Credit Hours: 2.00
- Free Elective - Credit Hours: 2.50

16 Credits

Summer Between Year 3 and 4

VM 39000 - Practicum

Credit Hours: 4.00. Veterinary technologist level off-campus experience in one area of interest totaling 480 hours over 12 weeks. Typically offered Fall Spring Summer.

VM 41001 - International Practicum

Credit Hours: 4.00. The student will experience an integrated employment situation combined with veterinary team interaction to

augment his/her specialized CoVM clinical learning experiences. The student will work under the direct supervision of a licensed veterinarian or credentialed veterinary technician designee of tech veterinarian. The student is required to complete a pre-departure orientation with the PVM Director of International Programs. Typically offered Summer.

VM 44400 - Veterinary Technology Clinical Orientation

Credit Hours: 3.00. This course is an intensive experience and clinical orientation to the Veterinary Teaching Hospital for graduates from another AVMA accredited Veterinary Technology program who wish to complete a BS degree at Purdue University. This course is a four week long, full day rotation (40 hours per week). Typically offered Summer.

7 Credits

Fall 4th Year

VM 44100 - Occupational And Public Health For Veterinary Technicians

Credit Hours: 1.00. The course covers selected aspects of public health and safety related to the veterinary health care team, patient, client and public. Typically offered Fall.

VCS 46700 - Diagnostic Instrumentation

Credit Hours: 2.00. A laboratory in the utilization, care, and maintenance of electronic equipment used in veterinary diagnostics. Typically offered Spring.

VM 44200 - Management II

Credit Hours: 1.50. This course is a continuation of the first veterinary practice management course. It will introduce students to concepts related to leading a veterinary medical team and managing the day-to-day management of the veterinary practice. Emphasis will be on human resources, marketing and financial management. Typically offered Fall.

BMS 46400 - Clinical Pharmacology And Toxicology For Veterinary Technologists

Credit Hours: 2.00. The common toxicants and advanced topics on the drugs most commonly encountered in veterinary medicine. Emphasis is on mechanisms, indications, contraindications, and proper applications and handling of these drugs. Permission of department required. Typically offered Spring.

VM 44300 - Clinic Rotations VI

Credit Hours: 2.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Spring.

CPB 48000 - Seminar In Animal Welfare And Human-Animal Interaction

Credit Hours: 2.00. This course will be required for students involved in the interdisciplinary "Animal Welfare and Societal Concerns" program of study. Seminar in Animal Welfare and Human-Animal Interaction is for discussion of current topics in animal welfare and other areas involving the interaction of humans and animals. Outside speakers will present their perspectives in various areas. Journal articles will also be presented and discussed. Typically offered Fall.

15.5 Credits

Spring 4th Year

VM 44500 - Veterinary Technology Senior Project

Credit Hours: 4.00. This is an independent study course in which the student engages in learning activities to enhance their knowledge in a particular area of veterinary technology of their choosing, demonstrate effective oral and written communication, and apply analysis, integration, and syntheses to achieve a solution. Typically offered Spring.

VCS 41800 - Applied Small Animal Behavior

Credit Hours: 2.00. Clinical applications of canine and feline behavior problems. The normal and common abnormal behaviors of domestic dogs and cats will be presented. Emphasis will be on taking clinical history from owner, observing animals, and establishing behavioral modification treatment plans as part of the veterinary team. Typically offered Spring.

ENGL 42000 - Business Writing

Credit Hours: 3.00. Workplace writing in networked environments for management contexts. Emphasizes organizational context, project planning, document management, ethics, research, team writing. Typical genres include management memos, reports, letters, e-mail, resumes (print and online), oral presentations. Typically offered Summer Fall Spring.

ENGL 42100 - Technical Writing

Credit Hours: 3.00. Workplace writing in networked environments for technical contexts. Emphasizes context and user analysis, data analysis/display, project planning, document management, usability, ethics, research, team writing. Typical genres include technical reports, memos, documentation, Web sites. Typically offered Fall Spring Summer.

COM 31800 - Principles Of Persuasion

Credit Hours: 3.00. Persuasion and its effects, ranging from individual influences to societal impacts. Various perspectives and models of persuasion are examined, including classical and modern approaches. Both theoretical and pragmatic considerations are introduced. Typically offered Fall Spring Summer.

COM 32000 - Small Group Communication

Credit Hours: 3.00. A study of group thinking and problem-solving methods; participation in, and evaluation of, committee, and informal discussion groups. Focus on the roles, networks, and messages employed by small group communicators. Typically offered Fall Spring Summer.

COM 32400 - Introduction To Organizational Communication

Credit Hours: 3.00. An introduction to fundamental concepts and basic research related to communication behavior in organizational settings. Units cover message processing, leadership communication, communication climates, communication training, and communication audits. Students participate in an organizational simulation in some sections. Typically offered Summer Fall Spring.

12 Credits

Bachelor of Science (Minimum Hours Required: 127.5)

This is a suggested plan of study and subject to change

See the Outcome Selectives for approved Purdue courses

Outcome Selectives

Outcome selectives may be satisfied by transfer credits or IUPUI/IPFW equivalencies. Consult your academic advisor.

Science, Technology & Society

AGRY 28500 - World Crop Adaptation And Distribution

Credit Hours: 3.00. Examination of how environmental factors, including climate and soils, impact the global distribution of major food crops. Identification of the types of naturally occurring plant communities and comparison of these communities with those of environmentally and economically sound field cropping systems. Exploration of how man's intervention has maintained

or modified the productivity of food crops in agricultural communities and how his intervention has affected the environment. Typically offered Spring.

AGRY 29000 - Introduction To Environmental Science

Credit Hours: 3.00. (NRES 29000, EAPS 11300) An introduction to environmental science, including issues such as air and water pollution, toxic waste disposal, soil erosion, natural hazards, climate change, energy resources, and environmental planning. Includes extensive in-class discussion of case studies. Typically offered Fall.

ANTH 21000 - Technology And Culture

Credit Hours: 3.00. This course explores the social dimensions of technology from the perspective of ancient, modern, and post-modern society. Topics include the origins of particular technologies; processes of technical development and dissemination; the politics of everyday artifacts; virtual identities; and technologies of the body. Suggested courses (not pre-requisite): ANTH 10000, ANTH 20100 and/or ANTH 20500. Typically offered Fall Spring.

ANSC 10200 - Introduction To Animal Agriculture

Credit Hours: 3.00. A study of animal agriculture emphasizing the efficient production of animal food products from poultry, dairy and meat animals. Credit cannot be obtained for both ANSC 10100 and 10200. Course may also be offered for dual credit with cooperating Indiana high schools upon documented approval by Department of Animal Sciences. This course is required for ANSC majors classified as Freshman and Sophomores. Typically offered Fall Spring.

BCHM 10000 - Introduction To Biochemistry

Credit Hours: 2.00. A survey of modern biochemistry using case studies that highlight general theories and unifying concepts. This course is open to all students and does not require any college science courses as background or prerequisite. Typically offered Fall.

BIOL 31200 - Great Issues Genomics And Society

Credit Hours: 3.00. The course will revolve around genomics, the science and technology involved in determining the sequence of the entire DNA complement in an organism. Almost everyone has heard of the human genome project, but fewer are aware of the spectacular technical progress in this field and the fact that many thousands of genomes have been sequenced. Until recently, most of these have been microorganisms, but technological and computational progress has made it progressively easier and cheaper to sequence the genomes of higher organisms. This field may have more of an impact on your future lives than almost any other field of the life sciences - mostly because it touches on all areas of study. The course will focus on the impact that genomes will have in selected areas. It will begin with a basic understanding of the science and technology that gave rise to our current capabilities in sequencing and the fact that technology continues to provide greater capacity and cheaper prices. You will soon see that every field in the College of Science is well represented in the science and technology. We will then go on to see how genomics influences many topics that affect our daily lives and can possibly provide answers to some critical questions (or at least pose better questions): What is the basis of personalized medicine? What does genomics tell us about the genealogy of

mankind? What impact will genomics have on our future food supply and our ability to feed a population of 9 billion people? What is the human microbiome and what does that mean to me? Similarly, what is the gut microbiome, the mouthmicrobiome, etc? What impact will genomics have on the development of alternative energy sources, especially biofuels? In every area, we will discuss the scientific challenges, but also the ethical and societal implications. In most cases, there is no one right answer, but a series of choices that can be guided by ethical considerations. Typically offered Fall Spring Summer.

BTNY 20100 - Plants And Civilization

Credit Hours: 3.00. This course, intended primarily for non-majors, covers the history of agriculture, with focus on the centers of origin of our major food, fiber, and medicinal plants, and their historical, cultural, and economic relevance. The course also surveys the biology of crop plants, with respect to taxonomy, anatomy, cell structure, physiology, development, and genetics. Discussions also center on the roles plant biotechnology may play in sustainable agriculture and in helping to alleviate problems caused by overpopulation and ecological stress. Typically offered Spring.

BTNY 21100 - Plants And The Environment

Credit Hours: 3.00. Plants are essential to environmental and human health, and the issues related to these interactions have received much public attention. This course provides the scientific basis for issues-related topics such as the impact of plants on biodiversity; how plants affect and are affected by global climate changes and pollution; the role of plants as invasive species; ways in which plants can help solve environmental problems; and the consequences of human manipulation of plants (e.g. genetic engineering, bioremediation) on plant communities and ecosystems. . Typically offered Spring.

COM 25100 - Communication, Information, And Society

Credit Hours: 3.00. This course provides an introduction to information and communication technologies, including media and computer-related technologies. Basic information and technical literacy skills are developed, while discussing fundamental concepts of mediated communication in 21st century contexts. Typically offered Fall Spring Summer.

EAPS 10000 - Planet Earth

Credit Hours: 3.00. An introduction to the Geosciences-Earth science, oceanography, atmospheric science and astronomy. The course emphasizes topics (earthquakes, volcanoes, ocean pollution, climate change, severe weather, etc.) that are of general interest and relevance, and the interconnections between various Earth processes. Typically offered Fall Spring. CTL:IPS 1730 Earth Science

EAPS 10400 - Oceanography

Credit Hours: 3.00. Origin of the oceans and marine life. Seafloor spreading and marine geology; currents, waves, and tides; marine organisms and ecology; beaches and nearshore life. Man's use and abuse of the sea, including contemporary problems and future opportunities. The role of oceans in climate and evolution of the biosphere. Typically offered Fall Spring Summer.

EAPS 10600 - Geosciences In The Cinema

Credit Hours: 3.00. An introduction to earth and atmospheric sciences based on depictions in popular and documentary cinema. Topics will include: earthquakes, volcanoes, severe weather, dinosaurs, climate change, evolution, meteor impacts, and earth's interior. Lectures will focus on discussion of the relevant science, separating fact from fiction, and disaster management. Assignments will consist of viewing of films and answering questions about the science contained therein. Typically offered Fall Spring.

EAPS 11300 - Introduction To Environmental Science

Credit Hours: 3.00. (NRES 29000, AGRY 29000) An introduction to environmental science, including issues such as climate change, energy resources, air and water pollution, toxic waste disposal, soil erosion, natural hazards, and environmental planning. Includes extensive in-class discussion of case studies. Typically offered Fall.

EAPS 12000 - Introduction To Geography

Credit Hours: 3.00. Introduction to the major themes of modern geography, designed to enhance your spatial thinking skills, geographic literacy, and to help you understand the relevance of geographic concepts and how they relate to our changing world. This course will expand your awareness of global issues and provide you with tools to understand how the world around you changes at local, regional, and global scales. Typically offered Fall Spring Summer.

ENTM 10500 - Insects: Friend And Foe

Credit Hours: 3.00. A one-semester course for nonscience students who want to know more about insects - the most numerous organisms on earth. An introduction to insects and their relationship with humankind, including interesting aspects of insect biology; insects in music, decoration, history; use of insects in teaching at the elementary school level; their use in art, photography, and drawing; insects as human food. Typically offered Fall Spring.

EPCS 10100 - First Year Participation In EPICS

Credit Hours: 1.00. Together, Engineering Projects in Community Service (EPICS) courses create a vertical project track under which students work in multidisciplinary teams on long-term engineering-based design projects. Projects of at least one-year in duration are intended to solve real problems that are defined in consultation with "customers" from not-for-profit community and education organizations. EPCS courses are open to students from all disciplines; each student contributes expertise in his/her academic discipline. Each team consists of a mix of first year, sophomores, juniors, and seniors. Students are encouraged to participate in an EPICS project team for two or more semesters. First year students participating in EPCS 10100 gain insight into the specific project, and more generally, into the design and development process. They attend planning and reporting meetings with the customer and are expected attend all team meetings. Under the mentorship of the team's sophomores, juniors and seniors they perform and report upon tasks consistent with their level of discipline expertise. May be repeated for credit. Typically offered Fall Spring.

EPCS 10200 - First Year Participation In EPICS

Credit Hours: 2.00. Continuation of EPCS courses (see EPCS 10100). Participants in EPCS 10200 gain insight into the specific project, and more generally, into the design and development process. They attend planning and reporting meetings with the customer and are expected to attend all team meetings. Working with team's sophomores, juniors and seniors they perform and report upon tasks consistent with their level of discipline expertise. EPCS 10200 is offered for two credits and is intended for students who have exhibited significant achievement in EPCS 10100 and desire the level of responsibility that is appropriate for two credits. May be repeated for credit. Permission of department required. Typically offered Fall Spring.

EPCS 20100 - Sophomore Participation In EPICS

Credit Hours: 1.00. Continuation of EPCS courses (see EPCS 10100). Sophomores participating in EPCS 20100 gain insight into the specific project, and, more generally, into the design and development process. They attend planning and reporting meetings with the customer and are expected attend all team meetings. Under the mentorship of the team's juniors and seniors they perform and report upon tasks consistent with their level of discipline expertise. EPCS 20100 is offered for 1 credit. Typically offered Summer Fall Spring.

EPCS 20200 - Sophomore Participation In EPICS

Credit Hours: 2.00. Continuation of EPCS courses (see EPCS 10100). Sophomores participating in EPCS 20100 gain insight into the specific project, and, more generally, into the design and development process. They attend planning and reporting meetings with the customer and are expected attend all team meetings. Under the mentorship of the team's juniors and seniors they perform and report upon tasks consistent with their level of discipline expertise. EPCS 20200 is offered for 2 credits. Permission of instructor required. Typically offered Summer Fall Spring.

FNR 10300 - Introduction To Environmental Conservation

Credit Hours: 3.00. Introduction to ecological principles, history of conservation, natural resource management, human impacts on the environment, and environmental ethics. For all students interested in an introductory natural resource or environmental science elective. Typically offered Fall Spring.

FNR 23000 - The World's Forests And Society

Credit Hours: 3.00. Examination of structure, function, and environmental and cultural significance of forest ecosystems throughout the world. Typically offered Fall.

FNR 24000 - Wildlife In America

Credit Hours: 3.00. History of the occurrence, exploitation, and management of North America's wildlife resources. Life

histories, habitat relationships, and human impacts on selected species. Current conservation practices and future prospects. Typically offered Fall.

IT 22600 - Biotechnology Laboratory I

Credit Hours: 2.00. Focuses on nucleic acid manipulation. Modules include, making a eukaryotic library, identifying clones, sub-cloning into a bacterial expression vector and verification of the clone's identity by restriction analysis and DNA sequencing. Basic laboratory techniques (solution making, buffer preparation, good safety techniques), sterile technique and compliance procedures. Typically offered Summer Fall Spring.

NRES 29000 - Introduction To Environmental Science

Credit Hours: 3.00. (EAPS 11300, AGRY 29000) An introduction to environmental science, including issues such as air and water pollution, toxic waste disposal, soil erosion, natural hazards, climate change, energy resources, and environmental planning. Includes extensive in-class discussion of case studies. Typically offered Fall.

PHIL 27000 - Biomedical Ethics

Credit Hours: 3.00. An examination of the moral problems raised by developments in medicine and the biomedical sciences. Topics include abortion, reproductive technologies, euthanasia and physician-assisted suicide, experiments involving human subjects, and health care delivery. Typically offered Fall Spring.

POL 23700 - Modern Weapons And International Relations

Credit Hours: 3.00. This course introduces the student to the roles that modern weapons systems play in contemporary international relations. Typically offered Fall Spring.

STAT 11300 - Statistics And Society

Credit Hours: 3.00. Introduction to statistical ideas and their impact on public policy and the sciences. Sample surveys, design of experiments, measurement, analysis of data, simulating probabilities, concepts of inference. Application to current issues and controversies. Not available for credit toward graduation in the School of Science. Typically offered Summer Fall Spring.

TECH 12000 - Design Thinking In Technology

Credit Hours: 3.00. Student will engage in critical analysis of real-world problems and global challenges. They will demonstrate the ability to recognize opportunity and to take initiative in developing solutions applying the principles of human centered design. Students will be able to communicate effectively and to work well on teams. Problems and solutions will be examined from societal, cultural, and ethical perspectives. Typically offered Fall Spring Summer.

Approved for Spring 2014

BIOL 12100 - Biology I: Diversity, Ecology, And Behavior

Credit Hours: 2.00. Creates a framework for ordering biology by examining the unity and diversity of life on earth with an emphasis on ecology, genetics, population biology, evolution, and behavior. Typically offered Fall.

HONR 19901 - The Evolution Of Ideas

Credit Hours: 1.00. This course is the first half of the required introductory series taken by all students entering the Honors College. It has no prerequisites and is restricted to students accepted into the Honors College. Typically offered Fall.

HSCI 20100 - Principles of Public Health Science

Credit Hours: 3.00. This course begins with a definition of public health and a review of its history and its role in disease prevention. The basic tools of public health practice, vital statistics and epidemiology, are then presented. After gaining an understanding of how these tools are used in assessing the health status of a community, the etiology and control of infectious and non-infectious threats to our health will be examined. The course concludes with risk analysis as a basis for public health policy determination. Typically offered Spring.

Humanities

AAS 27100 - Introduction To African American Studies

Credit Hours: 3.00. Introduction to the philosophical and methodological principles underlying Afro-American studies. Dimensions of the black experience, including history, education, politics, psychology, economics, religion, social organization, and art, will be covered, and the requisite academic tools and sources will be examined. Typically offered Fall Spring Summer.

AD 11300 - Basic Drawing

Credit Hours: 3.00. An introduction to drawing and sketching as a means of communication of ideas. Typically offered Summer Fall Spring. CTL:IFA 1320 Drawing

AD 11700 - Photography I: Black And White Processes And Aesthetics

Credit Hours: 3.00. An introductory course in silver-based photographic processes and creative image making. Emphasis is on

the development of camera and darkroom techniques, and fostering critical thinking skills related to the traditions and aesthetics of black and white photographic practice. Typically offered Summer Fall Spring.

AD 12500 - Introduction To Interior Design

Credit Hours: 3.00. Introductory survey of interior spaces and their impact upon the physical, social, psychological, and aesthetic needs of people. Critical evaluation of concepts in the interior design profession and related fields will be emphasized. Typically offered Fall.

AD 22700 - History Of Art Since 1400

Credit Hours: 3.00. Review of painting, sculpture, and architecture from 1400 to present. Typically offered Spring. CTL:IFA 1312 Art History II

AD 24200 - Ceramics I

Credit Hours: 3.00. An introduction to ceramic materials and processes used in creating wheelthrown and hand-formed pottery and sculpture. Emphasis on contemporary interpretations of traditional forms. Freshman and Sophomore students have priority. Typically offered Fall Spring.

AD 25100 - History Of Photography I

Credit Hours: 3.00. An introduction of the history of photography from the medium's inception until 1950. Emphasis is placed on understanding photographs from a variety of aesthetic, social, and cultural perspectives, including those of race, class, and gender. Typically offered Summer Fall Spring.

AD 25500 - Art Appreciation

Credit Hours: 3.00. Understanding and appreciation of the problems overcome by mankind in the origins and growth of art. Typically offered Fall Spring. CTL:IFA 1310 Art Appreciation

AD 26500 - Relief Printmaking

Credit Hours: 3.00. An introduction to the techniques of woodcut, linocut, collagraph, and related media. Emphasis on fine art conceptual issues, creativity, matting and framing art, and professional practices. Typically offered Fall Spring.

AD 26600 - Silkscreen Printmaking

Credit Hours: 3.00. An introduction to the techniques of silkscreen printmaking on paper, including the uses of handmade and light-sensitive stencils. Emphasis on fine art conceptual issues, creativity, matting, and framing art, and professional practices. Typically offered Fall Spring.

AD 27500 - Beginning Sculpture

Credit Hours: 3.00. An introductory course in sculpture, exploring basic concepts, techniques, and materials. Problems in class will emphasize individual student's aesthetic understanding of techniques and inventive use of materials. Typically offered Fall Spring.

AD 38300 - Modern Art

Credit Hours: 3.00. A comprehensive overview of the visual arts from impressionism to Surrealism, designed to help students understand the cultural, social, and historical dynamics that influence artistic creation, and reflect upon the meanings of modernism. Typically offered Fall Spring.

AMST 20100 - Interpreting America

Credit Hours: 3.00. Introduction to the interdisciplinary study of American culture, history, and society in its national and global contexts. Typically offered Fall Spring.

CMPL 26600 - World Literature: From The Beginnings To 1700 A D

Credit Hours: 3.00. (ENGL 26600) World literature in translation. A comparative and chronological survey of the masterpieces of Eastern and Western literature. Typically offered Summer Fall Spring.

CMPL 26700 - World Literature: From 1700 A D To The Present

Credit Hours: 3.00. (ENGL 26700) World literature in translation. A comparative and chronological survey of the masterpieces of Eastern and Western literature. Typically offered Spring Summer Fall.

DANC 25000 - Dance Appreciation

Credit Hours: 3.00. Understanding and appreciation of dance as an art form. Topics include compositional forms; movement styles; elements of dance; and influential choreographers, dancers, and theorists representative of various historical periods and aesthetic points of view. Typically offered Fall Spring.

EDST 20000 - History And Philosophy Of Education

Credit Hours: 3.00. (EDFA 20000) How history and philosophy have informed school organization, curriculum, and teaching practice. Students develop their own philosophies of teaching. Topics include continuities and discontinuities of schooling, colonial period to present. Conflicting demands placed upon schools. Issues of race, class, and gender inform debates over school purposes and practices. Typically offered Fall Spring Summer.

ENGL 23000 - Great Narrative Works

Credit Hours: 3.00. Reading and discussion of great narratives from Homer's Odyssey to the present, considering works from a variety of cultures and time periods in order to develop an understanding of their ideas, structures, styles, and cultural values. Typically offered Fall Spring Summer.

ENGL 23800 - Introduction To Fiction

Credit Hours: 3.00. Reading and discussion of short stories and seven novels to promote awareness, understanding, and appreciation of the range, values, techniques, and meanings of modern fiction. Typically offered Fall Spring Summer.

ENGL 25000 - Great American Books

Credit Hours: 3.00. Selected works, such as The Scarlett Letter, Moby Dick, Uncle Tom's Cabin, Walden, Huckleberry Finn, Absalom, Absalom!, Their Eyes Were Watching God, Native Son, and Beloved, closely read and discussed as to their literary qualities and their cultural significance. Typically offered Fall Spring Summer.

ENGL 27600 - Shakespeare On Film

Credit Hours: 3.00. Considers the relation of the written text of five or six Shakespeare plays to multiple film versions from a wide variety of times and cultures, e.g., the United States, England, France, Italy, Japan, Denmark, India, and Russia. Typically offered Fall Spring Summer.

ENGL 28600 - The Movies

Credit Hours: 3.00. (Lec/Lab offering at PWL.) The history and aesthetics of the movies from The Great Train Robbery and The Birth of a Nation or Intolerance to contemporary films. Comparison of the cinematic method with the methods of the drama and the novel. One afternoon or evening a week for the screening of films; two periods a week for discussion. Typically offered Fall Spring.

FR 33000 - French Cinema

Credit Hours: 3.00. A general survey of major French cinematic trends from the earliest examples (Melies, Lumiere) to the New Wave (Chabrol, Truffaut, Resnais, Godard, etc.), with a discussion of the historical, social, political, aesthetic, and literary contexts. The French film in relation to world cinema. The relationship between the French cinema and French literature. Reading and analysis of scripts and historical and critical materials. Knowledge of French not required. Typically offered Fall Spring Summer.

GER 23000 - German Literature In Translation

Credit Hours: 3.00. Reading and analysis of selected German writers and their works, with particular emphasis on the social, political, and intellectual climate of the times. The course content will change from semester to semester. Knowledge of German not required. Typically offered Fall Spring Summer.

GER 33000 - German Cinema

Credit Hours: 3.00. Viewing and analysis of major German contributions to the cinema from the earliest period to the present. Emphasis on relevant aesthetic theories and on the schools of literature and painting that served as sources. Evaluation of the German film on the basis of social, artistic, and political criteria. Knowledge of German not required. Typically offered Fall Spring Summer.

HIST 10300 - Introduction To The Medieval World

Credit Hours: 3.00. Barbarians, kings, queens, peasants, witches, saints, teachers, students, heretics, Moslems, Jews, Christians, love, death, monks, farm life, city life, ordinary men, women, and children as Europe develops from A.D. 500 to 1500. Typically offered Fall Spring Summer.

HIST 10400 - Introduction To The Modern World

Credit Hours: 3.00. Traces the expansion of Europe into the Americas, Africa, and Asia. The French Revolution, nationalism, and the development of western European states from the era of the Reformation to the present are studied. Typically offered Fall Spring Summer.

HIST 10500 - Survey Of Global History

Credit Hours: 3.00. A survey of the interaction between the civilizations of Asia, Africa, Europe, and the Americas since 1500, with attention to cultural comparisons over time, and to the implications of global interdependence for the environment, health, economy, and geopolitics. Typically offered Fall Spring Summer.

HIST 15100 - American History To 1877

Credit Hours: 3.00. A study of the development of American political, economic, and social institutions from the early explorations and colonial settlements through Reconstruction. Typically offered Fall Spring Summer. CTL:ISH 1010 American History I

HIST 15200 - United States Since 1877

Credit Hours: 3.00. A study of the growth of the United States from 1877 to the present. The new industrialism, agrarian problems, depression, the New Deal, the two world wars, the cold war, and similar topics are analyzed. Typically offered Fall Spring Summer. CTL:ISH 1011 American History II

HIST 21000 - The Making Of Modern Africa

Credit Hours: 3.00. This course provides students with a comprehensive introduction to modern African history from 1800 to the present. Using a variety of films, novels and scholarly resources, we will examine the major historical forces that have shaped African lives over the last two centuries. Emphasis will be placed on African experiences of slavery, colonialism, liberation struggles, and post-independence national building. Students will also learn to analyze contemporary African issues within a larger historical context. Typically offered Fall Spring.

HIST 24000 - East Asia And Its Historic Tradition

Credit Hours: 3.00. Survey of the great historic traditions of China, Japan, and Korea from earliest times to approximately 1600, with special attention to state formation, society, intellectual, philosophical, and religious developments, and the visual, musical, and literary arts. Typically offered Fall.

HIST 24100 - East Asia In The Modern World

Credit Hours: 3.00. The response of China, Japan, and Korea to the coming of the West in modern times, with special stress on the effect of Western ideas and machines. Approximately 1600 to the present. Typically offered Spring.

HIST 24300 - South Asian History And Civilizations

Credit Hours: 3.00. Survey history of India, Pakistan, and Bangladesh, from the origins of South Asian civilization to the present. Topics include ancient India, the Mughal Empire, the colonial experience, the independence movement, and conflict and popular culture. Typically offered Fall Spring.

HIST 24500 - Introduction To The Middle East History And Culture

Credit Hours: 3.00. A survey of the civilization of the Middle East from the rise of Islam to the present. The political, social, and

cultural institutions are examined along with the problem of adjusting these to the pressure of Western civilization in the last two centuries. Typically offered Fall Spring.

HIST 24600 - Modern Middle East And North Africa

Credit Hours: 3.00. This course explores the political, social, and cultural factors that have contributed to the formation of the modern Middle East. Course includes short stories and a selection of documentary films from the region. Typically offered Summer Fall Spring.

HIST 27100 - Introduction To Colonial Latin American History (1492-1810)

Credit Hours: 3.00. The purpose of this general survey course is to introduce students to the principle historical themes of Latin America during the colonial period (roughly, from 1492 to 1810). No prior knowledge of Latin American history is required. Typically offered Fall Spring Summer.

HIST 27200 - Introduction To Modern Latin American History (1810 To The Present)

Credit Hours: 3.00. The purpose of this general survey course is to introduce students to the study of the major economic, political, social, and cultural processes that shaped modern Latin American nations since independence. No prior knowledge of Latin American history is required. Typically offered Fall Spring Summer.

ITAL 28100 - The Italian Renaissance And Its Impact On Western Civilization

Credit Hours: 3.00. This course introduces students to the most important literary, cultural, and political writings of the Italian Renaissance, and shows the pivotal influence of the Renaissance on the development of Western civilization as a whole. Classes and readings entirely in English; no knowledge of Italian is needed. Typically offered Fall Spring Summer.

LC 23900 - Women Writers In Translation

Credit Hours: 3.00. An examination of international female writers' literary creativity in the context of women's studies and feminist theory, as articulated in their specific cultural and geographical milieu. Course content will vary in terms of cultural focus. In English. Typically offered Fall Spring Summer.

LC 33300 - The Middle Ages On Film

Credit Hours: 3.00. Introduction to the Middle Ages through films in various languages and genres from the beginning of film history to the present. Reading literary, historical, legal, and film theory texts in conjunction with the films, students critically analyze representations of the Middle Ages and the cultural context from which these emerge. Typically offered Fall Spring.

MUS 25000 - Music Appreciation

Credit Hours: 3.00. The traditions, forms, and styles of classical music. Other types of music may be examined as well. (Students may register through the Continuing Education Student Learning Center at the Tech Statewide locations via distance education.) Typically offered Fall Spring Summer. CTL:IFA 1330 Music Appreciation

MUS 26100 - Fundamentals Of Music

Credit Hours: 3.00. Fundamentals of music notation, ear training, and music reading. Typically offered Fall Spring.

MUS 36100 - Music Theory I

Credit Hours: 3.00. Course comprises instruction in melodic and harmonic processes in tonal music; development of analytic, listening and piano techniques with musical equipment. Music reading ability is required, verified through Placement Exam. Typically offered Fall Spring.

MUS 37800 - Jazz History

Credit Hours: 3.00. A historical and stylistic study of jazz. Typically offered Fall Spring.

PHIL 11100 - Ethics

Credit Hours: 3.00. A study of the nature of moral value and obligation. Topics such as the following will be considered: different conceptions of the good life and standards of right conduct; the relation of nonmoral and moral goodness; determinism, free will, and the problem of moral responsibility; the political and social dimensions of ethics; the principles and methods of moral judgment. Readings will be drawn both from contemporary sources and from the works of such philosophers as Plato, Aristotle, Aquinas, Butler, Hume, Kant, and J. S. Mill. Typically offered Summer Fall Spring. CTL:ISH 1051 Ethics

PHIL 11000 - Introduction To Philosophy

Credit Hours: 3.00. The basic problems and types of philosophy, with special emphasis on the problems of knowledge and the nature of reality. Typically offered Summer Fall Spring. CTL:ISH 1050 Introduction To Philosophy

PHIL 11400 - Global Moral Issues

Credit Hours: 3.00. A systematic and representative examination of significant contemporary moral problems with a focus on

global issues such as international justice, poverty and foreign aid, nationalism and patriotism, just war, population and the environment, human rights, gender equality, and national self-determination. Typically offered Fall Spring Summer.

PHIL 28000 - Ethics And Animals

Credit Hours: 3.00. An exploration through the study of major historical and contemporary philosophical writings of basic moral issues as they apply to our treatment of animals. Rational understanding of the general philosophical problems raised by practices such as experimentation on animals or meat-eating will be emphasized. Typically offered Fall Spring.

PHIL 29000 - Environmental Ethics

Credit Hours: 3.00. An introduction to philosophical issues surrounding debates about the environment and our treatment of it. Topics may include endangered species, "deep ecology," the scope and limits of cost-benefit analyses, and duties to future generations. Typically offered Fall Spring.

REL 20000 - Introduction To The Study Of Religion

Credit Hours: 3.00. This course will introduce students to the academic study of religion through an exploration of various methodologies available for a critical, reflective investigation of the study of religion. Typically offered Summer Fall Spring.

REL 23000 - Religions Of The East

Credit Hours: 3.00. (PHIL 33000) A study of the history, teaching, and present institutions of the religions of India, Southeast Asia, China, and Japan. This will include Hinduism, Jainism, Sikhism, Buddhism, Confucianism, Taoism, Shintoism, and Zoroastrianism. Typically offered Summer Fall Spring.

RUSS 33000 - Russian And East European Cinema

Credit Hours: 3.00. Viewing and analysis of significant Russian and East European films. Evolution of the Russian and East European cinema, its place in world cinema, and its relation to cultural, political, and social trends. Cinematic adaptation of literary and theatrical works. Knowledge of Russian or East European languages not required. Typically offered Fall Spring Summer.

SPAN 23500 - Spanish American Literature In Translation

Credit Hours: 3.00. Reading and discussion of selected masterpieces of Spanish American literature. The course context will change from semester to semester. Knowledge of Spanish not required. Typically offered Fall Spring Summer.

SPAN 33000 - Spanish And Latin American Cinema

Credit Hours: 3.00. Screening and analysis of selected Spanish and Latin American films with readings and discussions relative to their historical, social, political, aesthetic, literary, and linguistic contexts. No knowledge of Spanish required. Typically offered Fall Spring Summer.

THTR 20100 - Theatre Appreciation

Credit Hours: 3.00. Understanding and appreciation of the theatre's role in the modern world, dramatic structure and analysis, the actor, director, designer, and critic; attendance at current stage productions; class discussion of production elements. Typically offered Summer Fall Spring. CTL:IFA 1302 Theatre Appreciation

WGSS 28000 - Women's Studies: An Introduction

Credit Hours: 3.00. An introductory survey of the concepts and research data in the new scholarship on women. Topics covered include biology, sexuality, socialization, family and work, creativity, and politics. Typically offered Summer Fall Spring.

Behavior/Social Science

AGEC 20300 - Introductory Microeconomics For Food And Agribusiness

Credit Hours: 3.00. This course introduces the application of microeconomics as used by farms and agribusiness firms. The behavior of individual firms is evaluated as price and output are determined in various market structures (pure competition, pure monopoly, monopolistic competition, and oligopoly). Other topics include pricing and employment of resources, market failure and the social control of industry (government, economics policy, and regulation), cost and production theory. Typically offered Fall Spring.

AGEC 20400 - Introduction To Resource Economics And Environmental Policy

Credit Hours: 3.00. The course provides an overview of microeconomic theory and its application to issues related to evaluating resource economic issues and environmental policy. Topics discussed include efficiency, sustainability, valuation, externalities, governmental policies, and benefit cost analysis. Typically offered Spring.

AGEC 21700 - Economics

Credit Hours: 3.00. National economic problems such as unemployment, recessions, inflation, taxation, bank interest rates, the growth of government, monetary systems, and a rising national debt are discussed along with the principles, policies, and institutions for solving these macroeconomic problems. Typically offered Fall Spring Summer.

AGEC 25000 - Economic Geography Of World Food And Resources

Credit Hours: 3.00. A study of the important issues and economic decisions about worldwide resource use for food and fiber production as influenced by geography, climate, history, social institutions, national self-interest, and the environment. Typically offered Fall Spring.

AGR 20100 - Communicating Across Culture

Credit Hours: 3.00. This course will provide students with an opportunity to understand their place in a multicultural, multiethnic, multinational country, the United States. It is designed to provide an academic overview of the field of multicultural education as it evolved to this day. The course will offer an introductory overview of the many differences that exist within all human beings. Because the diversity among individuals is endless, we cannot study all differences, but will study a sampling such as race, ethnicity, gender identity, age, social class, disability, learning styles, and religion/spiritual orientation. Issues of poverty, language, and social justice may also be examined in relationship to the above major areas of emphasis. Typically offered Fall Spring.

ANTH 10000 - Introduction To Anthropology

Credit Hours: 3.00. A general introduction to anthropology's holistic approach to human nature and behavior. A basic survey of biocultural developmental and evolutionary processes, and human uniformity and diversity through time and across space. Typically offered Summer.

ANTH 20500 - Human Cultural Diversity

Credit Hours: 3.00. Using concepts and models of cultural anthropology, this course will survey the principal cultural types of the world and their distribution, and will undertake a detailed analysis of societies representative of each type. Typically offered Fall Spring.

ANTH 20100 - Introduction To Archaeology And World Prehistory

Credit Hours: 3.00. Introduction to the ideas and practices of archaeology that are used in the study of human prehistory, from the earliest stone tools to the development of agriculture and states. Emphasis is placed on the objectives and methods of contemporary archaeology. Typically offered Summer Fall Spring.

ANTH 20300 - Biological Bases Of Human Social Behavior

Credit Hours: 3.00. This course is an introduction to human social behavior from the perspective of biological anthropology, with special emphasis on human evolution and non-human primates. Topics include aggression, communication, learning, maturation, sexuality, and the evolution of social systems. Typically offered Fall Spring.

ANTH 23000 - Gender Across Cultures

Credit Hours: 3.00. Explores gender and sexuality from a cross-cultural perspective. Draws on case studies to explore the complexities of women's and men's lives. Examines gender hierarchies, gender in a globalized world, and the cultural construction of sexuality and gender. Typically offered Summer Fall Spring.

ANTH 37900 - Native American Cultures

Credit Hours: 3.00. General survey of Native cultures of the Americas. Topics to be covered include prehistory, language, religion, aesthetics, culture contact and change, contemporary issues, and social, economic and political organization. Typically offered Fall (and occasionally in the Spring).

COM 21200 - Approaches To The Study Of Interpersonal Communication

Credit Hours: 3.00. A study of the basic characteristics of human communication and the theoretical and practical implications of these characteristics for various forms of oral communication. Typically offered Fall Spring Summer. CTL:ICM 1101 Interpersonal Communication

COM 22400 - Communicating In The Global Workplace

Credit Hours: 3.00. This introductory course explores communication issues that arise in the global workplace. The course develops an appreciation of the relationship among culture, communication, and ways of organizing and doing business. Typically offered Fall.

ECON 21000 - Principles Of Economics

Credit Hours: 3.00. Economics is the study of decision making under conditions of scarcity. This course looks at the behavior of the individual consumer and firm and their interaction with the government. The second half of the course studies the macroeconomy and focuses on the causes of inflation, unemployment, and interest rate changes. The international economy also will be studied. No credit for management students. Typically offered Fall Spring Summer. CTL:ISH 1040 Introduction To Economics

ECON 25100 - Microeconomics

Credit Hours: 3.00. Microeconomics studies the choices individuals make and the incentives that influence those choices. Emphasis is on the incentives that determine market prices and resource allocation. The role of public policy in influencing incentives and efficiency is also addressed. Typically offered Fall Spring Summer. CTL:ISH 1042 Microeconomics

ECON 25200 - Macroeconomics

Credit Hours: 3.00. Introduction to macroeconomic theory. The course develops a theoretical framework permitting an analysis of the forces affecting national income, employment, interest rates, and the rate of inflation. Emphasis is placed upon the role of government fiscal and monetary policy in promoting economic growth and stable prices. Typically offered Fall Spring Summer. CTL:ISH 1041 Macroeconomics

EDCI 28500 - Multiculturalism And Education

Credit Hours: 3.00. This course integrates an understanding of multiculturalism with principles of democratic education. Historical, sociological, cultural, political, philosophical, and pedagogical foundations of multiculturalism are explored and related to issues of pedagogy in a pluralistic society. This course is taken concurrently with EDCI 20500, which includes a school-based Theory into Practice field experience. Some discussion topics and assignments will be based on that field experience. It is highly recommended that EDCI 27000 be taken with or before taking this course. Typically offered Fall Spring Summer.

EDPS 23500 - Learning And Motivation

Credit Hours: 3.00. Introduction to concepts of learning and motivation in educational contexts (i.e., Educational Psychology). Influence of development, culture, and individual differences on learning and motivation. Uses of assessment and technology in promoting learning and motivation. A field-based experiential component is included. Typically offered Fall Spring Summer.

EDPS 26500 - The Inclusive Classroom

Credit Hours: 3.00. Characteristics of students with special needs/talents; strategies for helping students learn and develop in general educational settings. Emphasis placed upon research evidence, case studies, problem-based learning, and development of a plan for an inclusive classroom. A field-based component is included. Typically offered Spring Summer Fall.

EDPS 31600 - Collaborative Leadership: Cross-Cultural Settings

Credit Hours: 3.00. In this course, students will explore the cultural nuances of leadership in the United States as well as around the world. This course will include impact of globalism as a context for leadership, conflict resolution in a global environment, and other important factors that impact culturally diverse or global teams. Typically offered Fall Spring Summer.

EDST 24800 - Contemporary Issues In American Schools

Credit Hours: 3.00. Students will read about and discuss critical issues facing schools today. Issues will include: funding, testing/assessment, charter schools, vouchers, bilingualism, dropout programs, violence in schools, accountability movement,

teacher unions, parent involvement, inclusion, tracking, technology, and others. Requirements include weekly readings and online responses; one five-page paper; and one group project. Typically offered Fall Spring.

ENGL 22700 - Elements Of Linguistics

Credit Hours: 3.00. A summary of what is known about human language, its structure, its universality, and its diversity; language in its social setting; language in relation to other aspects of human inquiry and knowledge. Credit will not be awarded for both ENGL 22700 and LC 26100. Typically offered Fall Spring Summer. CTL:IEL 1260 Introduction To Linguistics

HDFS 21000 - Introduction To Human Development

Credit Hours: 3.00. This course provides an introduction to the development of individuals from the prenatal period to adulthood and old age. Theories and research findings related to physical growth, cognitive and language development and social and emotional development will be discussed. Typically offered Fall Spring Summer. CTL: Developmental Psychology.

HDFS 28000 - Diversity In Individual And Family Life

Credit Hours: 3.00. Students are introduced to aspects of individual and family life in diverse cultures, particularly racially and/or ethnically diverse families in the United States. The nature of relationships between dominant and minority cultures is considered. Implications of diversity for practice with diverse populations are emphasized throughout the course. Typically offered Fall Spring Summer.

LING 20100 - Introduction To Linguistics

Credit Hours: 3.00. Basic concepts of linguistics and methods of analysis of language; overview of linguistics and the role of language in society. Introduction to phonology, morphology, syntax, and semantics, and to problem-solving techniques, with material drawn from a variety of languages. Typically offered Fall Spring.

POL 10100 - American Government And Politics

Credit Hours: 3.00. A study of the nature of democratic government, the U.S. Constitution, federalism, civil rights, political dynamics, the presidency, Congress, and the judiciary. Typically offered Summer Fall Spring. CTL:ISH 1002 American Government

POL 12000 - Introduction To Public Policy And Public Administration

Credit Hours: 3.00. An introduction to the fields of public policy and public administration. Processes of policy formation and administration are examined. Different approaches to evaluating and improving public policies are discussed. Typically offered Summer Fall Spring.

POL 13000 - Introduction To International Relations

Credit Hours: 3.00. An analysis of the fundamentals of international law, organization, and politics, particularly as relevant to contemporary international relations. Typically offered Summer Fall Spring. CTL:ISH 1003 Introduction To World Politics

POL 22200 - Women, Politics, And Public Policy

Credit Hours: 3.00. An introduction to women's participation in politics, with an emphasis on America. Structural and attitudinal conditions limiting women's political roles and contemporary efforts to change women's status in society through politics. Typically offered Summer Fall Spring.

POL 22300 - Introduction To Environmental Policy

Credit Hours: 3.00. (FNR 22310) Study of decision making as modern societies attempt to cope with environmental and natural resources problems. Focuses on the American political system, with some attention to the international dimension. Current policies and issues will be examined. Typically offered Fall Spring.

POL 23500 - International Relations Among Rich And Poor Nations

Credit Hours: 3.00. Introduction to the major themes in the contemporary international relations among rich and poor nations. Examines such areas as North-South relations, interdependence, international organizations, and global development. Typically offered Fall Spring.

PSY 12000 - Elementary Psychology

Credit Hours: 3.00. Introduction to the fundamental principles of psychology, covering particularly the topics of personality, intelligence, emotion, abnormal behavior, attention, perception, learning, memory, and thinking. As part of their learning experience, students participate in psychological experiments. Typically offered Fall Spring Summer. CTL:ISH 1020 Introduction To Psychology

SOC 10000 - Introductory Sociology

Credit Hours: 3.00. A survey course designed to introduce the student to the scene of human society. Fundamental concepts, description, and analysis of society, culture, the socialization process, social institutions, and social change. Students of junior or senior standing should take SOC 31200, unless they are sociology or law and society majors. Typically offered Fall Spring Summer. CTL:ISH 1060 Introduction To Sociology

SOC 22000 - Social Problems

Credit Hours: 3.00. Contemporary problems at the community, society, and international levels, focusing on patterns of social organization and social change in American society, with concentration on such topics as technological militarism and war, poverty, racism, political protest, and cybernation. Typically offered Fall Spring Summer. CTL:ISH 1061 Social Problems

WGSS 28000 - Women's Studies: An Introduction

Credit Hours: 3.00. An introductory survey of the concepts and research data in the new scholarship on women. Topics covered include biology, sexuality, socialization, family and work, creativity, and politics. Typically offered Summer Fall Spring.

note

*Satisfies a University Core Requirement

Foreign Language Courses

Foreign Language proficiency requirements vary by program. For acceptable languages and proficiency levels, see your advisor:

American Sign Language, Arabic, Chinese, French, German, (ancient) Greek, Hebrew, Italian, Japanese, Latin, Portuguese, Russian, Spanish

Critical Course

The ♦ course is considered critical. A Critical Course is one that a student must be able to pass to persist and succeed in a particular major.

Veterinary Technology, BS

About the Program

Bachelor of Science Degree

West Lafayette Campus

Curricula

This unique program combines one four-year curriculum with an Associate in Applied Science (AAS) and Bachelor of Science (BS) options. Students wanting only the Associate degree, or who have previously completed the general education college courses found in Year One of the bachelor's degree, begin in the clinical portion, or Year Two, of the program.

Although any student can compete to start in the Year Two associate degree program, high school students, or those without any college experience, are strongly advised to apply for the first year of the BS degree program. This allows students to obtain a science, math and general education background 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 BS degree program but wishes to stop after completing the associate degree would complete the curriculum in three years (The first year of general education and two years, including two summers, of associate degree curriculum).

For more information, see the Veterinary Technology website (<https://vet.purdue.edu/vettech/>)

Careers

As part of the veterinary team, registered veterinary technicians with an AAS degree perform a wide range of veterinary nursing, imaging, anesthesia, dental hygiene and diagnostic laboratory procedures in the practice setting.

Veterinary technologists (BS degree) 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, wildlife rehabilitation, zoo and shelter medicine.

Credentialed veterinary technicians are required to maintain continuing education according to state regulations. Information about continuing education programs is available through the Purdue University College of Veterinary Medicine's Office of Lifelong Learning.

The AAS and BS plans of study in veterinary technology are not intended to meet the requirements for application to veterinary school to become a Doctor of Veterinary Medicine (DVM).

Degree Requirements and Supplemental Information

The full Program Requirements for 2016-17 Veterinary Tech - BS VTAA include all Supplemental Information and selective lists of those categories which a student must fulfill in order to earn their degree. These are intended to be printer-friendly, but include less descriptive course detail.

Please see below for program requirements and the necessary degree fulfillments.

V- BS
VTAA
127.5 Credits

Departmental/Program Major Courses (87 credits)

Veterinary Technology major courses must be taken in specific order.

VM 14000 - Introduction To Veterinary Technology

Credit Hours: 1.00. This course provides an orientation to the profession of Veterinary Technology. Typically offered Fall.

BMS 23100 - Anatomy For Veterinary Technicians

Credit Hours: 4.00. Gross and microscopic study of body systems and topographic relationships in major animal species. Laboratory consists of dissection as well as study of living animals. Typically offered Fall.

BMS 23200 - Physiology For Veterinary Technicians

Credit Hours: 2.00. Basic mammalian physiology, which covers general physiological processes with emphasis on domestic animals. Laboratory experiences and demonstrations form a major part of the laboratory instruction. Typically offered Fall.

VCS 22100 - Veterinary Nursing Techniques For The Normal Animal (SA & LA)

Credit Hours: 4.00. The course will introduce the students to concepts related to normal, healthy large and small animal patients. The course includes both lecture and laboratory components. Typically offered Fall.

VM 24100 - Safety, Prevention And Public Health

Credit Hours: 1.00. This course will cover selected zoonotic diseases, occupational hazards and safety issues, related to the veterinary health care team and veterinary facility. Typically offered Fall.

VM 24300 - Clinic Rotations I

Credit Hours: 1.50. This course will provide the basic learning situations for developing the techniques required of veterinary technicians in pharmacy, radiology, surgery, medical nursing, and ancillary areas. Total clinic hours 9/week. Typically offered Fall.

VCS 25100 - Introduction To Diagnostic Imaging For The Veterinary Technician

Credit Hours: 0.50. This course is an introduction to veterinary diagnostic imaging and is designed to instruct the veterinary technician student in the basic principles of imaging, necessary to perform imaging tasks within a veterinary hospital. This course will introduce the fundamentals needed in the clinical imaging rotations and in practice. Typically offered Fall.

VCS 22200 - Dentistry For The Veterinary Technician

Credit Hours: 0.50. This course is an introduction to veterinary dentistry for the technician, with emphasis on basic dental anatomy, pathologies and treatments, dental charting, intraoral radiography, dental cleaning and periodontal disease management. Typically offered Fall.

VCS 22300 - Surgical Nursing And Operating Room Protocols

Credit Hours: 1.00. This course is an introduction to the surgical environment and all aspects related to the principles of asepsis

and the practice of sterile technique. Students will learn using a variety of teaching modalities (lecture, group work, laboratory experience). Typically offered Fall.

VM 42500 - Veterinary Technician Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the college together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring Summer.

VM 25100 - Medical Math And Terminology For Veterinary Technicians

Credit Hours: 0.50. This course will introduce students to fundamental medical terminology and basic math and dosage calculations commonly used in veterinary medicine. The course includes both classroom and on-line components. Typically offered Fall.

VCS 22400 - Small Animal Nursing I

Credit Hours: 2.00. This course will introduce students to nursing and diagnostic techniques for small animals and the body's response to disease. Typically offered Spring.

VCS 22500 - Large Animal Nursing I

Credit Hours: 2.00. This course builds on concepts learning in VCS 22100 related to normal, healthy large animal patients. It also introduces the students to higher level patient care for the large animal patient. Typically offered Spring.

CPB 25500 - Clinical Pathology For Veterinary Technicians

Credit Hours: 4.00. Basic instruction in clinical pathology, including theory and techniques of hematology, clinical chemistry, urinalysis, cytology, and specimen handling. Typically offered Spring.

BMS 23300 - Introduction To Pharmacology For Veterinary Technicians

Credit Hours: 0.50. This course introduces the concepts and terminology of pharmacology including basic terminology, pharmacokinetics, and pharmacodynamics. Typically offered Spring.

VCS 22600 - Principles Of Anesthesia

Credit Hours: 2.00. This course is an introduction to surgical nursing and anesthesia. The principles of asepsis and sterile technique will be introduced and demonstrated by staff and in some cases, practiced by the student. The basics of anesthesia will be introduced and practiced by the student. Typically offered Spring.

VCS 25200 - Diagnostic Imaging For Veterinary Technicians

Credit Hours: 2.00. Provides an introduction to imaging of domestic animals. Emphasis will be placed on radiological principles and techniques, darkroom procedures and design, preparing technique charts for various X-ray units, animal positioning, and radiation safety. Typically offered Spring.

VCS 22800 - Small And Large Animal Well Animal Nutrition

Credit Hours: 1.00. This course will introduce students to an overview of nutritional concepts as it applies to common domestic small and large animal species and selected exotic companion/avian pets. Basic concepts for understanding nutritional needs for all species will be introduced as well as therapeutic use of diets as it relates to animal nursing. Typically offered Spring.

- VM 42500 - Veterinary Technician Grand Rounds

VM 24400 - Clinical Rotations II

Credit Hours: 1.5. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Spring.

VM 24900 - Clinical Rotations III

Credit Hours: 3.5. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Summer.

VM 24200 - Integrations I

Credit Hours: 1.00. An introduction to problem based learning of the nursing process (patient evaluations, interventions, and desired resolutions) using a case based approach. This course will integrate foundational knowledge from anatomy, physiology, with information in the veterinary nursing courses. Cases will involve different domestic animal species. Students will learn using a variety of teaching modalities (lecture, group work, problem based learning). Typically offered Fall.

VM 32300 - Laboratory Animals And Nursing Of Non-Traditional Pets

Credit Hours: 2.00. This course will cover the proper methods of restraint, daily care, nursing techniques, and housing needs for the common species of laboratory animals. Typically offered Spring.

BMS 33100 - Pharmacology For Veterinary Technicians

Credit Hours: 1.50. This course introduces the concepts of drugs used in the different body systems. Mechanisms of action, side effects, and therapeutic applications are presented. Typically offered Fall.

VCS 32100 - Large Animal Nursing II

Credit Hours: 2.00. This course builds on concepts learned in VCS 22100 and VCS 22500 related to normal, healthy large animal patients. It also introduces the student to higher level patient care for the large animal patient. Typically offered Fall.

VCS 32200 - Small Animal Nursing II

Credit Hours: 2.00. This course will cover management of hospitalized patients, client education, and preventative medicine programs. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall.

VM 34300 - Clinical Rotations IV

Credit Hours: 5.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Fall.

CPB 35100 - Microbiology For Veterinary Technicians

Credit Hours: 2.00. Biology and laboratory identification of bacteria and fungi that cause infectious diseases in animals. Emphasis will be placed on the collection of specimens for culture, the isolation and identification of pathogenic organisms, and antibiotic susceptibility testing. Procedures and commercial systems available to veterinary practices will be utilized. Typically offered Spring.

CPB 35200 - Parasitology For Veterinary Technicians

Credit Hours: 2.00. Biology and life cycles of selected protozoan, helminth, and arthropod parasites of veterinary importance. Emphasis will be placed on laboratory procedures for the identification of common parasites of domestic and laboratory animals. Typically offered Spring.

VM 34500 - Management I

Credit Hours: 1.50. The course will introduce students to concepts related to working in and managing a veterinary practice.

Emphasis will be on client communication and education as well as facilitating a job search, interviewing and cover letter and resume creation. Typically offered Spring.

VM 34400 - Clinic Rotations V

Credit Hours: 5.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical radiology, pharmacy, and ancillary areas. Typically offered Spring.

VM 34200 - Integrations II

Credit Hours: 1.00. A continuation to problem based learning of the nursing process using a case based approach. This course will integrate foundational knowledge from anatomy, physiology, veterinary nursing courses, clinical pathology, pharmacology, anesthesia diagnostic imaging, microbiology and parasitology. Cases will involve different domestic animal species and laboratory animals. Students will learn using a variety of teaching modalities (lecture, group work, problem-based learning). Typically offered Spring.

VM 39000 - Practicum

Credit Hours: 4.00. Veterinary technologist level off-campus experience in one area of interest totaling 480 hours over 12 weeks. Typically offered Fall Spring Summer.

VM 41001 - International Practicum

Credit Hours: 4.00. The student will experience an integrated employment situation combined with veterinary team interaction to augment his/her specialized CoVM clinical learning experiences. The student will work under the direct supervision of a licensed veterinarian or credentialed veterinary technician designee of tech veterinarian. The student is required to complete a pre-departure orientation with the PVM Director of International Programs. Typically offered Summer.

VM 44100 - Occupational And Public Health For Veterinary Technicians

Credit Hours: 1.00. The course covers selected aspects of public health and safety related to the veterinary health care team, patient, client and public. Typically offered Fall.

VCS 46700 - Diagnostic Instrumentation

Credit Hours: 2.00. A laboratory in the utilization, care, and maintenance of electronic equipment used in veterinary diagnostics. Typically offered Spring.

VM 44200 - Management II

Credit Hours: 1.50. This course is a continuation of the first veterinary practice management course. It will introduce students to concepts related to leading a veterinary medical team and managing the day-to-day management of the veterinary practice. Emphasis will be on human resources, marketing and financial management. Typically offered Fall.

BMS 46400 - Clinical Pharmacology And Toxicology For Veterinary Technologists

Credit Hours: 2.00. The common toxicants and advanced topics on the drugs most commonly encountered in veterinary medicine. Emphasis is on mechanisms, indications, contraindications, and proper applications and handling of these drugs. Permission of department required. Typically offered Spring.

VM 44300 - Clinic Rotations VI

Credit Hours: 2.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Spring.

CPB 48000 - Seminar In Animal Welfare And Human-Animal Interaction

Credit Hours: 2.00. This course will be required for students involved in the interdisciplinary "Animal Welfare and Societal Concerns" program of study. Seminar in Animal Welfare and Human-Animal Interaction is for discussion of current topics in animal welfare and other areas involving the interaction of humans and animals. Outside speakers will present their perspectives in various areas. Journal articles will also be presented and discussed. Typically offered Fall.

- VM 42500 - Veterinary Technician Grand Rounds

VCS 41800 - Applied Small Animal Behavior

Credit Hours: 2.00. Clinical applications of canine and feline behavior problems. The normal and common abnormal behaviors of domestic dogs and cats will be presented. Emphasis will be on taking clinical history from owner, observing animals, and establishing behavioral modification treatment plans as part of the veterinary team. Typically offered Spring.

VM 44500 - Veterinary Technology Senior Project

Credit Hours: 4.00. This is an independent study course in which the student engages in learning activities to enhance their knowledge in a particular area of veterinary technology of their choosing, demonstrate effective oral and written communication, and apply analysis, integration, and syntheses to achieve a solution. Typically offered Spring.

- VM 42500 - Veterinary Technician Grand Rounds
- Veterinary Technology Electives - Credit Hours 7.00

Free Electives (2.5 - 5.5 credits)

Other Program Course Requirements (35 - 38 credits)

BIOL 11000 - Fundamentals Of Biology I

Credit Hours: 4.00. This course is designed primarily to provide an introduction to the principles of biology for students in agriculture and health sciences. Principles of biology, focusing on diversity, ecology, evolution, and the development, structure, and function of organisms. Typically offered Summer Fall Spring.

BIOL 11100 - Fundamentals Of Biology II

Credit Hours: 4.00. This course is designed primarily to provide an introduction to the principles of biology for students in agriculture and health sciences. Continuation of BIOL 11000. Principles of biology, focusing on cell structure and function, molecular biology, and genetics. Typically offered Fall Spring.

COM 11400 - Fundamentals Of Speech Communication

Credit Hours: 3.00. A study of communication theories as applied to speech; practical communicative experiences ranging from interpersonal communication and small group process through problem identification and solution in discussion to informative and persuasive speaking in standard speaker-audience situations. Typically offered Fall Spring Summer. NOTE: Concurrent registration is not permitted for ENGL 10600 and COM 11400. CTL:ICM 1103 Fundamentals Of Public Speaking

ENGL 10600 - First-Year Composition

Credit Hours: 4.00. Extensive practice in writing clear and effective prose. Instruction in organization, audience, style, and research-based writing. Typically offered Fall Spring Summer. NOTE: Concurrent registration is not permitted for ENGL 10600 and COM 11400.

ENGL 10800 - Accelerated First-Year Composition

Credit Hours: 3.00. An accelerated composition course that substitutes for ENGL 10600 for students showing superior writing ability. Typically offered Summer Fall Spring.

CHM 11100 - General Chemistry

Credit Hours: 3.00. Not available for credit toward graduation in the School of Science. Required of all freshmen in the School of Agriculture who are not in CHM 11500 and required of students in the School of Consumer and Family Sciences in retailing, textile, RHIT, and dietetics options who are not in CHM 11500. Required of students in physical therapy who are not in CHM 11500. Not available for credit toward graduation in the School of Science. Metric and S.I. Units; dimensional analysis; density; the atomic concept; elements, compounds, and mixtures; the mole concept; equations and stoichiometry; atomic structure, spectra; the periodic table; chemical bonding, gases; descriptive chemistry of the common elements. Prerequisite: two years of high school algebra. Typically offered Fall Spring.

CHM 11500 - General Chemistry

Credit Hours: 4.00. Stoichiometry; atomic structure; periodic properties; ionic and covalent bonding; molecular geometry; gases, liquids, and solids; crystal structure; thermochemistry; descriptive chemistry of metals and non-metals. Required of students majoring in science and students in engineering who are not in CHM 12300. One year of high school chemistry or one semester of college chemistry required. Typically offered Fall Spring Summer. CTL:IPS 1721 General Chemistry I w/lab

CHM 11200 - General Chemistry

Credit Hours: 3.00. Continuation of CHM 11100. Liquids and solids; solutions; chemical kinetics; equilibrium; acids and bases; oxidation and reduction; electrochemistry; descriptive chemistry of the metals and nonmetals; introduction to organic chemistry; nuclear chemistry. Not available for credit toward graduation in the School of Science. Typically offered Spring.

CHM 11600 - General Chemistry

Credit Hours: 4.00. A continuation of CHM 11500. Solutions; quantitative equilibria in aqueous solution; introductory thermodynamics; oxidation-reduction and electrochemistry; chemical kinetics; qualitative analysis; further descriptive chemistry of metals and nonmetals. Typically offered Fall Spring Summer. CTL:IPS 1722 General Chemistry II w/lab

MA 15300 - Algebra And Trigonometry I

Credit Hours: 3.00. Exponents and radicals; algebraic and fractional expressions. Equations and inequalities, systems of linear equations. Polynomial, exponential, and logarithmic functions. Not open to students with credit in MA 15900. Not available for credit toward graduation in the School of Science. Typically offered Fall Spring Summer. CTL:IMA 1601 College Algebra

- Science, Technology & Society Selective - Credit Hours: 3.00
- Humanities Outcome Selective - Credit Hours: 3.00
- Behavior/Social Science Outcome Selective - Credit Hours: 3.00

ENGL 42000 - Business Writing

Credit Hours: 3.00. Workplace writing in networked environments for management contexts. Emphasizes organizational context, project planning, document management, ethics, research, team writing. Typical genres include management memos, reports, letters, e-mail, resumes (print and online), oral presentations. Typically offered Summer Fall Spring.

ENGL 42100 - Technical Writing

Credit Hours: 3.00. Workplace writing in networked environments for technical contexts. Emphasizes context and user analysis, data analysis/display, project planning, document management, usability, ethics, research, team writing. Typical genres include technical reports, memos, documentation, Web sites. Typically offered Fall Spring Summer.

COM 31800 - Principles Of Persuasion

Credit Hours: 3.00. Persuasion and its effects, ranging from individual influences to societal impacts. Various perspectives and models of persuasion are examined, including classical and modern approaches. Both theoretical and pragmatic considerations are introduced. Typically offered Fall Spring Summer.

COM 32000 - Small Group Communication

Credit Hours: 3.00. A study of group thinking and problem-solving methods; participation in, and evaluation of, committee, and informal discussion groups. Focus on the roles, networks, and messages employed by small group communicators. Typically offered Fall Spring Summer.

COM 32400 - Introduction To Organizational Communication

Credit Hours: 3.00. An introduction to fundamental concepts and basic research related to communication behavior in organizational settings. Units cover message processing, leadership communication, communication climates, communication training, and communication audits. Students participate in an organizational simulation in some sections. Typically offered Summer Fall Spring.

University Core Requirements

- Human Cultures Humanities
- Human Cultures Behavioral/Social Science
- Science #1
- Science #2
- Science, Technology & Society Selective
- Information Literacy
- Written Communication
- Oral Communication
- Quantitative Reasoning

Office of the Provost Purdue's Undergraduate Outcomes-based Core Curriculum
www.purdue.edu/provost/initiatives/curriculum/index.html

Program Requirements

Fall 1st Year

Semester 1

English and Communications cannot be taken in the same semester.

CHM 11100 - General Chemistry

Credit Hours: 3.00. Not available for credit toward graduation in the School of Science. Required of all freshmen in the School of Agriculture who are not in CHM 11500 and required of students in the School of Consumer and Family Sciences in retailing, textile, RHIT, and dietetics options who are not in CHM 11500. Required of students in physical therapy who are not in CHM 11500. Not available for credit toward graduation in the School of Science. Metric and S.I. Units; dimensional analysis; density; the atomic concept; elements, compounds, and mixtures; the mole concept; equations and stoichiometry; atomic structure, spectra; the periodic table; chemical bonding, gases; descriptive chemistry of the common elements. Prerequisite: two years of high school algebra. Typically offered Fall Spring.

CHM 11500 - General Chemistry

Credit Hours: 4.00. Stoichiometry; atomic structure; periodic properties; ionic and covalent bonding; molecular geometry; gases, liquids, and solids; crystal structure; thermochemistry; descriptive chemistry of metals and non-metals. Required of students majoring in science and students in engineering who are not in CHM 12300. One year of high school chemistry or one semester of college chemistry required. Typically offered Fall Spring Summer. CTL:IPS 1721 General Chemistry I w/lab

MA 15300 - Algebra And Trigonometry I

Credit Hours: 3.00. Exponents and radicals; algebraic and fractional expressions. Equations and inequalities, systems of linear equations. Polynomial, exponential, and logarithmic functions. Not open to students with credit in MA 15900. Not available for credit toward graduation in the School of Science. Typically offered Fall Spring Summer. CTL:IMA 1601 College Algebra

BIOL 11000 - Fundamentals Of Biology I

Credit Hours: 4.00. This course is designed primarily to provide an introduction to the principles of biology for students in agriculture and health sciences. Principles of biology, focusing on diversity, ecology, evolution, and the development, structure, and function of organisms. Typically offered Summer Fall Spring.

COM 11400 - Fundamentals Of Speech Communication

Credit Hours: 3.00. A study of communication theories as applied to speech; practical communicative experiences ranging from interpersonal communication and small group process through problem identification and solution in discussion to informative and persuasive speaking in standard speaker-audience situations. Typically offered Fall Spring Summer. NOTE: Concurrent registration is not permitted for ENGL 10600 and COM 11400. CTL:ICM 1103 Fundamentals Of Public Speaking

VM 14000 - Introduction To Veterinary Technology

Credit Hours: 1.00. This course provides an orientation to the profession of Veterinary Technology. Typically offered Fall.

- UCC Science, Technology & Society Selective - Credit Hours: 3.00 *

17 - 18 Credits

Spring 1st Year

Semester 2

English and Communications cannot be taken in the same semester.

CHM 11200 - General Chemistry

Credit Hours: 3.00. Continuation of CHM 11100. Liquids and solids; solutions; chemical kinetics; equilibrium; acids and bases; oxidation and reduction; electrochemistry; descriptive chemistry of the metals and nonmetals; introduction to organic chemistry; nuclear chemistry. Not available for credit toward graduation in the School of Science. Typically offered Spring.

CHM 11600 - General Chemistry

Credit Hours: 4.00. A continuation of CHM 11500. Solutions; quantitative equilibria in aqueous solution; introductory thermodynamics; oxidation-reduction and electrochemistry; chemical kinetics; qualitative analysis; further descriptive chemistry of metals and nonmetals. Typically offered Fall Spring Summer. CTL:IPS 1722 General Chemistry II w/lab

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BIOL 11100 - Fundamentals Of Biology II

Credit Hours: 4.00. This course is designed primarily to provide an introduction to the principles of biology for students in agriculture and health sciences. Continuation of BIOL 11000. Principles of biology, focusing on cell structure and function, molecular biology, and genetics. Typically offered Fall Spring.

ENGL 10600 - First-Year Composition

Credit Hours: 4.00. Extensive practice in writing clear and effective prose. Instruction in organization, audience, style, and research-based writing. Typically offered Fall Spring Summer. NOTE: Concurrent registration is not permitted for ENGL 10600 and COM 11400.

ENGL 10800 - Accelerated First-Year Composition

Credit Hours: 3.00. An accelerated composition course that substitutes for ENGL 10600 for students showing superior writing ability. Typically offered Summer Fall Spring.

- Behavior/Social Science Selective - Credit Hours: 3.00 *
- Humanities Selective - Credit Hours: 3.00 *

16 - 18 Credits

Fall 2nd Year

Semester 3

BMS 23100 - Anatomy For Veterinary Technicians

Credit Hours: 4.00. Gross and microscopic study of body systems and topographic relationships in major animal species. Laboratory consists of dissection as well as study of living animals. Typically offered Fall.

BMS 23200 - Physiology For Veterinary Technicians

Credit Hours: 2.00. Basic mammalian physiology, which covers general physiological processes with emphasis on domestic animals. Laboratory experiences and demonstrations form a major part of the laboratory instruction. Typically offered Fall.

VCS 22100 - Veterinary Nursing Techniques For The Normal Animal (SA & LA)

Credit Hours: 4.00. The course will introduce the students to concepts related to normal, healthy large and small animal patients. The course includes both lecture and laboratory components. Typically offered Fall.

VM 24100 - Safety, Prevention And Public Health

Credit Hours: 1.00. This course will cover selected zoonotic diseases, occupational hazards and safety issues, related to the veterinary health care team and veterinary facility. Typically offered Fall.

VM 24300 - Clinic Rotations I

Credit Hours: 1.50. This course will provide the basic learning situations for developing the techniques required of veterinary

technicians in pharmacy, radiology, surgery, medical nursing, and ancillary areas. Total clinic hours 9/week. Typically offered Fall.

VCS 25100 - Introduction To Diagnostic Imaging For The Veterinary Technician

Credit Hours: 0.50. This course is an introduction to veterinary diagnostic imaging and is designed to instruct the veterinary technician student in the basic principles of imaging, necessary to perform imaging tasks within a veterinary hospital. This course will introduce the fundamentals needed in the clinical imaging rotations and in practice. Typically offered Fall.

VCS 22200 - Dentistry For The Veterinary Technician

Credit Hours: 0.50. This course is an introduction to veterinary dentistry for the technician, with emphasis on basic dental anatomy, pathologies and treatments, dental charting, intraoral radiography, dental cleaning and periodontal disease management. Typically offered Fall.

VCS 22300 - Surgical Nursing And Operating Room Protocols

Credit Hours: 1.00. This course is an introduction to the surgical environment and all aspects related to the principles of asepsis and the practice of sterile technique. Students will learn using a variety of teaching modalities (lecture, group work, laboratory experience). Typically offered Fall.

VM 42500 - Veterinary Technician Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the college together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring Summer.

VM 25100 - Medical Math And Terminology For Veterinary Technicians

Credit Hours: 0.50. This course will introduce students to fundamental medical terminology and basic math and dosage calculations commonly used in veterinary medicine. The course includes both classroom and on-line components. Typically offered Fall.

15 Credits

Spring 2nd Year

Semester 4

VCS 22400 - Small Animal Nursing I

Credit Hours: 2.00. This course will introduce students to nursing and diagnostic techniques for small animals and the body's response to disease. Typically offered Spring.

VCS 22500 - Large Animal Nursing I

Credit Hours: 2.00. This course builds on concepts learned in VCS 22100 related to normal, healthy large animal patients. It also introduces the students to higher level patient care for the large animal patient. Typically offered Spring.

CPB 25500 - Clinical Pathology For Veterinary Technicians

Credit Hours: 4.00. Basic instruction in clinical pathology, including theory and techniques of hematology, clinical chemistry, urinalysis, cytology, and specimen handling. Typically offered Spring.

BMS 23300 - Introduction To Pharmacology For Veterinary Technicians

Credit Hours: 0.50. This course introduces the concepts and terminology of pharmacology including basic terminology, pharmacokinetics, and pharmacodynamics. Typically offered Spring.

VCS 22600 - Principles Of Anesthesia

Credit Hours: 2.00. This course is an introduction to surgical nursing and anesthesia. The principles of asepsis and sterile technique will be introduced and demonstrated by staff and in some cases, practiced by the student. The basics of anesthesia will be introduced and practiced by the student. Typically offered Spring.

VCS 25200 - Diagnostic Imaging For Veterinary Technicians

Credit Hours: 2.00. Provides an introduction to imaging of domestic animals. Emphasis will be placed on radiological principles and techniques, darkroom procedures and design, preparing technique charts for various X-ray units, animal positioning, and radiation safety. Typically offered Spring.

VCS 22800 - Small And Large Animal Well Animal Nutrition

Credit Hours: 1.00. This course will introduce students to an overview of nutritional concepts as it applies to common domestic small and large animal species and selected exotic companion/avian pets. Basic concepts for understanding nutritional needs for all species will be introduced as well as therapeutic use of diets as it relates to animal nursing. Typically offered Spring.

VM 42500 - Veterinary Technician Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the college together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring Summer.

VM 24400 - Clinical Rotations II

Credit Hours: 1.5. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Spring.

15 Credits

Summer Between Year 2 and 3

Rotation is 6 wks. Two sections-wks 1-6 or 10-15 Vacation for 9 wks

VM 24900 - Clinical Rotations III

Credit Hours: 3.5. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Summer.

3.5 Credits

Fall 3rd Year

Semester 5

VM 32300 - Laboratory Animals And Nursing Of Non-Traditional Pets

Credit Hours: 2.00. This course will cover the proper methods of restraint, daily care, nursing techniques, and housing needs for the common species of laboratory animals. Typically offered Spring.

VM 24200 - Integrations I

Credit Hours: 1.00. An introduction to problem based learning of the nursing process (patient evaluations, interventions, and desired resolutions) using a case based approach. This course will integrate foundational knowledge from anatomy, physiology,

with information in the veterinary nursing courses. Cases will involve different domestic animal species. Students will learn using a variety of teaching modalities (lecture, group work, problem based learning). Typically offered Fall.

BMS 33100 - Pharmacology For Veterinary Technicians

Credit Hours: 1.50. This course introduces the concepts of drugs used in the different body systems. Mechanisms of action, side effects, and therapeutic applications are presented. Typically offered Fall.

VCS 32100 - Large Animal Nursing II

Credit Hours: 2.00. This course build on concepts learned in VCS 22100 and VCS 22500 related to normal, healthy large animals patients. It also introduces the student to higher level patient care for the large animal patient. Typically offered Fall.

VCS 32200 - Small Animal Nursing II

Credit Hours: 2.00. This course will cover management of hospitalized patients, client education, and preventative medicine programs. Emphasis will be on the role of the veterinary technician in the veterinary hospital. Typically offered Fall.

VM 34300 - Clinical Rotations IV

Credit Hours: 5.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Fall.

13.5 Credits

Spring 3rd Year

Semester 6

CPB 35100 - Microbiology For Veterinary Technicians

Credit Hours: 2.00. Biology and laboratory identification of bacteria and fungi that cause infectious diseases in animals. Emphasis will be placed on the collection of specimens for culture, the isolation and identification of pathogenic organisms, and antibiotic susceptibility testing. Procedures and commercial systems available to veterinary practices will be utilized. Typically offered Spring.

CPB 35200 - Parasitology For Veterinary Technicians

Credit Hours: 2.00. Biology and life cycles of selected protozoan, helminth, and arthropod parasites of veterinary importance. Emphasis will be placed on laboratory procedures for the identification of common parasites of domestic and laboratory animals. Typically offered Spring.

VM 34500 - Management I

Credit Hours: 1.50. The course will introduce students to concepts related to working in and managing a veterinary practice. Emphasis will be on client communication and education as well as facilitating a job search, interviewing and cover letter and resume creation. Typically offered Spring.

VM 34400 - Clinic Rotations V

Credit Hours: 5.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical radiology, pharmacy, and ancillary areas. Typically offered Spring.

VM 34200 - Integrations II

Credit Hours: 1.00. A continuation to problem based learning of the nursing process using a case based approach. This course will integrate foundational knowledge from anatomy, physiology, veterinary nursing courses, clinical pathology, pharmacology, anesthesia diagnostic imaging, microbiology and parasitology. Cases will involve different domestic animal species and laboratory animals. Students will learn using a variety of teaching modalities (lecture, group work, problem-based learning). Typically offered Spring.

- Free Elective - Credit Hours: 2.50
- Vet Tech Electives (suggested cr number) - Credit Hours: 2.00

16 Credits

Summer Between Year 3 and Year 4

Practicum requirement is 12 weeks (Vacation for 3 weeks)

VM 39000 - Practicum

Credit Hours: 4.00. Veterinary technologist level off-campus experience in one area of interest totaling 480 hours over 12 weeks. Typically offered Fall Spring Summer.

VM 41001 - International Practicum

Credit Hours: 4.00. The student will experience an integrated employment situation combined with veterinary team interaction to augment his/her specialized CoVM clinical learning experiences. The student will work under the direct supervision of a licensed veterinarian or credentialed veterinary technician designee of tech veterinarian. The student is required to complete a pre-departure orientation with the PVM Director of International Programs. Typically offered Summer.

4 Credits

Associate of Applied Science Degree Granted (Minimum Hours Required: 70)

Fall 4th Year

Semester 7

VM 44100 - Occupational And Public Health For Veterinary Technicians

Credit Hours: 1.00. The course covers selected aspects of public health and safety related to the veterinary health care team, patient, client and public. Typically offered Fall.

VCS 46700 - Diagnostic Instrumentation

Credit Hours: 2.00. A laboratory in the utilization, care, and maintenance of electronic equipment used in veterinary diagnostics. Typically offered Spring.

VM 44200 - Management II

Credit Hours: 1.50. This course is a continuation of the first veterinary practice management course. It will introduce students to concepts related to leading a veterinary medical team and managing the day-to-day management of the veterinary practice. Emphasis will be on human resources, marketing and financial management. Typically offered Fall.

BMS 46400 - Clinical Pharmacology And Toxicology For Veterinary Technologists

Credit Hours: 2.00. The common toxicants and advanced topics on the drugs most commonly encountered in veterinary medicine. Emphasis is on mechanisms, indications, contraindications, and proper applications and handling of these drugs. Permission of department required. Typically offered Spring.

VM 44300 - Clinic Rotations VI

Credit Hours: 2.00. This course will provide clinical learning situations for developing techniques required for veterinary technicians in surgery, medical nursing, clinical pathology, radiology, pharmacy, and ancillary areas. Typically offered Spring.

CPB 48000 - Seminar In Animal Welfare And Human-Animal Interaction

Credit Hours: 2.00. This course will be required for students involved in the interdisciplinary "Animal Welfare and Societal Concerns" program of study. Seminar in Animal Welfare and Human-Animal Interaction is for discussion of current topics in animal welfare and other areas involving the interaction of humans and animals. Outside speakers will present their perspectives in various areas. Journal articles will also be presented and discussed. Typically offered Fall.

VM 42500 - Veterinary Technician Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the college together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring Summer.

- Free Elective - Credit Hours: 3.00
- Vet Tech Electives (suggested cr number) - Credit Hours: 2.00

15.5 Credits

Spring 4th Year

Semester 8

VM 44500 - Veterinary Technology Senior Project

Credit Hours: 4.00. This is an independent study course in which the student engages in learning activities to enhance their knowledge in a particular area of veterinary technology of their choosing, demonstrate effective oral and written communication, and apply analysis, integration, and syntheses to achieve a solution. Typically offered Spring.

VCS 41800 - Applied Small Animal Behavior

Credit Hours: 2.00. Clinical applications of canine and feline behavior problems. The normal and common abnormal behaviors of domestic dogs and cats will be presented. Emphasis will be on taking clinical history from owner, observing animals, and establishing behavioral modification treatment plans as part of the veterinary team. Typically offered Spring.

ENGL 42000 - Business Writing

Credit Hours: 3.00. Workplace writing in networked environments for management contexts. Emphasizes organizational context, project planning, document management, ethics, research, team writing. Typical genres include management memos, reports, letters, e-mail, resumes (print and online), oral presentations. Typically offered Summer Fall Spring.

ENGL 42100 - Technical Writing

Credit Hours: 3.00. Workplace writing in networked environments for technical contexts. Emphasizes context and user analysis, data analysis/display, project planning, document management, usability, ethics, research, team writing. Typical genres include technical reports, memos, documentation, Web sites. Typically offered Fall Spring Summer.

COM 32000 - Small Group Communication

Credit Hours: 3.00. A study of group thinking and problem-solving methods; participation in, and evaluation of, committee, and informal discussion groups. Focus on the roles, networks, and messages employed by small group communicators. Typically offered Fall Spring Summer.

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Credit Hours: 3.00. An introduction to fundamental concepts and basic research related to communication behavior in organizational settings. Units cover message processing, leadership communication, communication climates, communication training, and communication audits. Students participate in an organizational simulation in some sections. Typically offered Summer Fall Spring.

COM 31800 - Principles Of Persuasion

Credit Hours: 3.00. Persuasion and its effects, ranging from individual influences to societal impacts. Various perspectives and models of persuasion are examined, including classical and modern approaches. Both theoretical and pragmatic considerations are introduced. Typically offered Fall Spring Summer.

VM 42500 - Veterinary Technician Grand Rounds

Credit Hours: 0.00. Provides a regular forum to bring those in the college together, focused around their common interest in veterinary medicine. Case-based presentations emphasize the basic pathophysiology of disease and clinical investigation and demonstrate the interactions between the clinical and basic sciences. Typically offered Fall Spring Summer.

- Vet Tech Electives (suggested cr number) - Credit Hours: 3.00

12 Credits

Bachelor Degree Granted (Minimum Hours Required: 127.5)

Note

*Satisfies a University Core Requirement

***Veterinary Technologist student entering at the 2nd year takes VM 14000 in the Fall of Year 2.

Degree Requirements

The student is ultimately responsible for knowing and completing all degree requirements.

Consultation with an academic advisor is strongly advised.

Foundational Learning Outcomes Core Curriculum- Outcome Selectives*

**Outcome selective and other learning outcomes may be satisfied by transfer credits or IUPUI/IPFW equivalencies. Consult your academic advisor.*

Science, Technology & Society

AGRY 28500 - World Crop Adaptation And Distribution

Credit Hours: 3.00. Examination of how environmental factors, including climate and soils, impact the global distribution of major food crops. Identification of the types of naturally occurring plant communities and comparison of these communities with those of environmentally and economically sound field cropping systems. Exploration of how man's intervention has maintained or modified the productivity of food crops in agricultural communities and how his intervention has affected the environment. Typically offered Spring.

AGRY 29000 - Introduction To Environmental Science

Credit Hours: 3.00. (NRES 29000, EAPS 11300) An introduction to environmental science, including issues such as air and water pollution, toxic waste disposal, soil erosion, natural hazards, climate change, energy resources, and environmental planning. Includes extensive in-class discussion of case studies. Typically offered Fall.

ANSC 10200 - Introduction To Animal Agriculture

Credit Hours: 3.00. A study of animal agriculture emphasizing the efficient production of animal food products from poultry, dairy and meat animals. Credit cannot be obtained for both ANSC 10100 and 10200. Course may also be offered for dual credit

with cooperating Indiana high schools upon documented approval by Department of Animal Sciences. This course is required for ANSC majors classified as Freshman and Sophomores. Typically offered Fall Spring.

ANTH 21000 - Technology And Culture

Credit Hours: 3.00. This course explores the social dimensions of technology from the perspective of ancient, modern, and post-modern society. Topics include the origins of particular technologies; processes of technical development and dissemination; the politics of everyday artifacts; virtual identities; and technologies of the body. Suggested courses (not pre-requisite): ANTH 10000, ANTH 20100 and/or ANTH 20500. Typically offered Fall Spring.

BCHM 10000 - Introduction To Biochemistry

Credit Hours: 2.00. A survey of modern biochemistry using case studies that highlight general theories and unifying concepts. This course is open to all students and does not require any college science courses as background or prerequisite. Typically offered Fall.

BIOL 12100 - Biology I: Diversity, Ecology, And Behavior

Credit Hours: 2.00. Creates a framework for ordering biology by examining the unity and diversity of life on earth with an emphasis on ecology, genetics, population biology, evolution, and behavior. Typically offered Fall.

BIOL 31200 - Great Issues Genomics And Society

Credit Hours: 3.00. The course will revolve around genomics, the science and technology involved in determining the sequence of the entire DNA complement in an organism. Almost everyone has heard of the human genome project, but fewer are aware of the spectacular technical progress in this field and the fact that many thousands of genomes have been sequenced. Until recently, most of these have been microorganisms, but technological and computational progress has made it progressively easier and cheaper to sequence the genomes of higher organisms. This field may have more of an impact on your future lives than almost any other field of the life sciences - mostly because it touches on all areas of study. The course will focus on the impact that genomes will have in selected areas. It will begin with a basic understanding of the science and technology that gave rise to our current capabilities in sequencing and the fact that technology continues to provide greater capacity and cheaper prices. You will soon see that every field in the College of Science is well represented in the science and technology. We will then go on to see how genomics influences many topics that affect our daily lives and can possibly provide answers to some critical questions (or at least pose better questions): What is the basis of personalized medicine? What does genomics tell us about the genealogy of mankind? What impact will genomics have on our future food supply and our ability to feed a population of 9 billion people? What is the human microbiome and what does that mean to me? Similarly, what is the gut microbiome, the mouthmicrobiome, etc? What impact will genomics have on the development of alternative energy sources, especially biofuels? In every area, we will discuss the scientific challenges, but also the ethical and societal implications. In most cases, there is no one right answer, but a series of choices that can be guided by ethical considerations. Typically offered Fall Spring Summer.

BTNY 20100 - Plants And Civilization

Credit Hours: 3.00. This course, intended primarily for non-majors, covers the history of agriculture, with focus on the centers of origin of our major food, fiber, and medicinal plants, and their historical, cultural, and economic relevance. The course also surveys the biology of crop plants, with respect to taxonomy, anatomy, cell structure, physiology, development, and genetics. Discussions also center on the roles plant biotechnology may play in sustainable agriculture and in helping to alleviate problems caused by overpopulation and ecological stress. Typically offered Spring.

BTNY 21100 - Plants And The Environment

Credit Hours: 3.00. Plants are essential to environmental and human health, and the issues related to these interactions have received much public attention. This course provides the scientific basis for issues-related topics such as the impact of plants on biodiversity; how plants affect and are affected by global climate changes and pollution; the role of plants as invasive species; ways in which plants can help solve environmental problems; and the consequences of human manipulation of plants (e.g. genetic engineering, bioremediation) on plant communities and ecosystems. . Typically offered Spring.

COM 25100 - Communication, Information, And Society

Credit Hours: 3.00. This course provides an introduction to information and communication technologies, including media and computer-related technologies. Basic information and technical literacy skills are developed, while discussing fundamental concepts of mediated communication in 21st century contexts. Typically offered Fall Spring Summer.

EAPS 10000 - Planet Earth

Credit Hours: 3.00. An introduction to the Geosciences-Earth science, oceanography, atmospheric science and astronomy. The course emphasizes topics (earthquakes, volcanoes, ocean pollution, climate change, severe weather, etc.) that are of general interest and relevance, and the interconnections between various Earth processes. Typically offered Fall Spring. CTL:IPS 1730
Earth Science

EAPS 10400 - Oceanography

Credit Hours: 3.00. Origin of the oceans and marine life. Seafloor spreading and marine geology; currents, waves, and tides; marine organisms and ecology; beaches and nearshore life. Man's use and abuse of the sea, including contemporary problems and future opportunities. The role of oceans in climate and evolution of the biosphere. Typically offered Fall Spring Summer.

EAPS 10600 - Geosciences In The Cinema

Credit Hours: 3.00. An introduction to earth and atmospheric sciences based on depictions in popular and documentary cinema. Topics will include: earthquakes, volcanoes, severe weather, dinosaurs, climate change, evolution, meteor impacts, and earth's interior. Lectures will focus on discussion of the relevant science, separating fact from fiction, and disaster management. Assignments will consist of viewing of films and answering questions about the science contained therein. Typically offered Fall Spring.

EAPS 11300 - Introduction To Environmental Science

Credit Hours: 3.00. (NRES 29000, AGRY 29000) An introduction to environmental science, including issues such as climate change, energy resources, air and water pollution, toxic waste disposal, soil erosion, natural hazards, and environmental planning. Includes extensive in-class discussion of case studies. Typically offered Fall.

EAPS 12000 - Introduction To Geography

Credit Hours: 3.00. Introduction to the major themes of modern geography, designed to enhance your spatial thinking skills, geographic literacy, and to help you understand the relevance of geographic concepts and how they relate to our changing world. This course will expand your awareness of global issues and provide you with tools to understand how the world around you changes at local, regional, and global scales. Typically offered Fall Spring Summer.

ENTM 10500 - Insects: Friend And Foe

Credit Hours: 3.00. A one-semester course for nonscience students who want to know more about insects - the most numerous organisms on earth. An introduction to insects and their relationship with humankind, including interesting aspects of insect biology; insects in music, decoration, history; use of insects in teaching at the elementary school level; their use in art, photography, and drawing; insects as human food. Typically offered Fall Spring.

EPCS 10100 - First Year Participation In EPICS

Credit Hours: 1.00. Together, Engineering Projects in Community Service (EPICS) courses create a vertical project track under which students work in multidisciplinary teams on long-term engineering-based design projects. Projects of at least one-year in duration are intended to solve real problems that are defined in consultation with "customers" from not-for-profit community and education organizations. EPCS courses are open to students from all disciplines; each student contributes expertise in his/her academic discipline. Each team consists of a mix of first year, sophomores, juniors, and seniors. Students are encouraged to participate in an EPICS project team for two or more semesters. First year students participating in EPCS 10100 gain insight into the specific project, and more generally, into the design and development process. They attend planning and reporting meetings with the customer and are expected attend all team meetings. Under the mentorship of the team's sophomores, juniors and seniors they perform and report upon tasks consistent with their level of discipline expertise. May be repeated for credit. Typically offered Fall Spring.

EPCS 10200 - First Year Participation In EPICS

Credit Hours: 2.00. Continuation of EPCS courses (see EPCS 10100). Participants in EPCS 10200 gain insight into the specific project, and more generally, into the design and development process. They attend planning and reporting meetings with the customer and are expected to attend all team meetings. Working with team's sophomores, juniors and seniors they perform and report upon tasks consistent with their level of discipline expertise. EPCS 10200 is offered for two credits and is intended for

students who have exhibited significant achievement in EPCS 10100 and desire the level of responsibility that is appropriate for two credits. May be repeated for credit. Permission of department required. Typically offered Fall Spring.

EPCS 20100 - Sophomore Participation In EPICS

Credit Hours: 1.00. Continuation of EPCS courses (see EPCS 10100). Sophomores participating in EPCS 20100 gain insight into the specific project, and, more generally, into the design and development process. They attend planning and reporting meetings with the customer and are expected attend all team meetings. Under the mentorship of the team's juniors and seniors they perform and report upon tasks consistent with their level of discipline expertise. EPCS 20100 is offered for 1 credit. Typically offered Summer Fall Spring.

EPCS 20200 - Sophomore Participation In EPICS

Credit Hours: 2.00. Continuation of EPCS courses (see EPCS 10100). Sophomores participating in EPCS 20100 gain insight into the specific project, and, more generally, into the design and development process. They attend planning and reporting meetings with the customer and are expected attend all team meetings. Under the mentorship of the team's juniors and seniors they perform and report upon tasks consistent with their level of discipline expertise. EPCS 20200 is offered for 2 credits. Permission of instructor required. Typically offered Summer Fall Spring.

EPCS 30100 - Junior Participation In EPICS

Credit Hours: 1.00. Continuation of EPCS courses (see EPCS 10100). The responsibilities of juniors include working with the seniors in the planning and organization of the project, contributing to the design process, problem solving by contributing expertise from their discipline, meeting with the customer, and the mentorship of sophomores and freshmen. EPCS 30100 is offered for 1 credit. The EPICS procedures manual provides information on expected relative workload for EPCS 30100 and EPCS 30200 students. May not be taken concurrently with EPCS 30200. Typically offered Summer Fall Spring.

EPCS 30200 - Junior Participation In EPICS

Credit Hours: 2.00. Continuation of EPCS courses (see EPCS 10100). The responsibilities of juniors include working with the seniors in the planning and organization of the project, contributing to the design process, problem solving by contributing expertise from their discipline, meeting with the customer, and the mentorship of sophomores and freshmen. EPCS 30200 is offered for 2 credits. The EPICS procedures manual provides information on expected relative workload for EPCS 30100 and EPCS 30200 students. May not be taken concurrently with EPCS 30100. Typically offered Summer Fall Spring.

EPCS 40100 - Senior Participation In EPICS

Credit Hours: 1.00. Continuation of EPCS courses (see EPCS 10100). Seniors are responsible for the management tasks of planning and organizing their team project activity. They are expected to contribute expertise from their discipline to the design of the team's projects throughout most of the design process phases of problem identification, specification development, design, production, and deployment. Seniors will also meet with the customer and mentor the freshman, sophomores and juniors. Seniors using EPCS 40100/EPCS 40200 to fulfill capstone or design requirements where approved for their major may be required to

satisfy additional course requirements specified by their degree program. EPCS 40100 is offered for 1 credit. The EPICS procedures manual provides information on expected relative workload for EPCS 40100 and EPCS 40200 students. May not be taken concurrently with EPCS 40200. Typically offered Summer Fall Spring.

EPCS 40200 - Senior Participation In EPICS

Credit Hours: 2.00. Continuation of EPCS courses (see EPCS 10100). Seniors are responsible for the management tasks of planning and organizing their team project activity. They are expected to contribute expertise from their discipline to the design of the team's projects throughout most of the design process phases of problem identification, specification development, design, production, and deployment. Seniors will also meet with the customer and mentor the freshman, sophomores and juniors. Seniors using EPCS 40100/40200 to fulfill capstone or design requirements where approved for their major may be required to satisfy additional course requirements specified by their degree program. EPCS 40200 is offered for 2 credits. The EPICS procedures manual provides information on expected relative workload for EPCS 40100 and EPCS 40200 students. May not be taken concurrently with EPCS 40100. Typically offered Summer Fall Spring.

FNR 10300 - Introduction To Environmental Conservation

Credit Hours: 3.00. Introduction to ecological principles, history of conservation, natural resource management, human impacts on the environment, and environmental ethics. For all students interested in an introductory natural resource or environmental science elective. Typically offered Fall Spring.

FNR 22310 - Introduction To Environmental Policy

Credit Hours: 3.00. (POL 22300) Study of decision making as modern societies attempt to cope with environmental and natural resources problems. Focuses on the American political system, with some attention to the international dimension. Current policies and issues will be examined. Typically offered Fall Spring.

FNR 23000 - The World's Forests And Society

Credit Hours: 3.00. Examination of structure, function, and environmental and cultural significance of forest ecosystems throughout the world. Typically offered Fall.

FNR 24000 - Wildlife In America

Credit Hours: 3.00. History of the occurrence, exploitation, and management of North America's wildlife resources. Life histories, habitat relationships, and human impacts on selected species. Current conservation practices and future prospects. Typically offered Fall.

FS 16100 - Science Of Food

Credit Hours: 3.00. Chemical and physical properties of foods; issues pertaining to safety, food-diet-health relationship; government regulations pertaining to food safety, quality and additives; preservation techniques and transformation of agricultural commodities to food products; Food facts, myths, and practices that are important for making intelligent food decisions. Course may also be offered for dual credit with cooperating Indiana high schools upon documented approval by the Department of Food Science. Typically offered Fall.

HIST 38001 - History Of United States Agriculture

Credit Hours: 3.0. This course surveys the main development in North American agricultural history, emphasizing the continental United States. Topics include early American agriculture, the plantation system, land policy, scientific and technological change, agrarian politics, water rights, migrant labor, and agricultural policy. Typically offered Fall Spring.

HONR 19901 - The Evolution Of Ideas

Credit Hours: 1.00. This course is the first half of the required introductory series taken by all students entering the Honors College. It has no prerequisites and is restricted to students accepted into the Honors College. Typically offered Fall.

HORT 30600 - History Of Horticulture

Credit Hours: 3.00. The origins and development of agriculture, with specific emphasis on horticulture from prehistory to the present in relation to civilization and modern culture. Typically offered Fall Spring Summer.

HSCI 20100 - Principles of Public Health Science

Credit Hours: 3.00. This course begins with a definition of public health and a review of its history and its role in disease prevention. The basic tools of public health practice, vital statistics and epidemiology, are then presented. After gaining an understanding of how these tools are used in assessing the health status of a community, the etiology and control of infectious and non-infectious threats to our health will be examined. The course concludes with risk analysis as a basis for public health policy determination. Typically offered Spring.

HSCI 20200 - Essentials Of Environmental, Occupational, And Radiological Health Sciences

Credit Hours: 3.00. This course is designed to introduce the essential concepts of Environmental, Occupational, and Radiological Health Science. The principles of these three fields including the environmental impacts on human health and disease, environmental toxicology, occupational health concerns, contemporary occupational health issues, radioactivity, and the human health effects of exposure to ionizing radiation will be discussed. Typically offered Fall.

IT 22600 - Biotechnology Laboratory I

Credit Hours: 2.00. Focuses on nucleic acid manipulation. Modules include, making a eukaryotic library, identifying clones, sub-cloning into a bacterial expression vector and verification of the clone's identity by restriction analysis and DNA sequencing. Basic laboratory techniques (solution making, buffer preparation, good safety techniques), sterile technique and compliance procedures. Typically offered Summer Fall Spring.

ME 29000 - Global Engineering Professional Seminar

Credit Hours: 1.00. Forum on contemporary issues in the global profession of mechanical engineering. Professionalism and ethics. Interactions with engineering faculty and with professionals outside the University. Quizzes on assigned readings in the areas of globalization, cultural difference and collaborating across cultural boundaries. Individually developed professional profiles describe technical interests and convey awareness of ethical responsibilities in global context. Typically offered Fall Spring.

NRES 29000 - Introduction To Environmental Science

Credit Hours: 3.00. (EAPS 11300, AGRY 29000) An introduction to environmental science, including issues such as air and water pollution, toxic waste disposal, soil erosion, natural hazards, climate change, energy resources, and environmental planning. Includes extensive in-class discussion of case studies. Typically offered Fall.

PHIL 27000 - Biomedical Ethics

Credit Hours: 3.00. An examination of the moral problems raised by developments in medicine and the biomedical sciences. Topics include abortion, reproductive technologies, euthanasia and physician-assisted suicide, experiments involving human subjects, and health care delivery. Typically offered Fall Spring.

POL 22300 - Introduction To Environmental Policy

Credit Hours: 3.00. (FNR 22310) Study of decision making as modern societies attempt to cope with environmental and natural resources problems. Focuses on the American political system, with some attention to the international dimension. Current policies and issues will be examined. Typically offered Fall Spring.

POL 23700 - Modern Weapons And International Relations

Credit Hours: 3.00. This course introduces the student to the roles that modern weapons systems play in contemporary international relations. Typically offered Fall Spring.

SLHS 11500 - Introduction To Communicative Disorders

Credit Hours: 3.00. Nature, systems, and causes of communicative disorders and the principal methods used for remediation. Typically offered Fall Spring.

STAT 11300 - Statistics And Society

Credit Hours: 3.00. Introduction to statistical ideas and their impact on public policy and the sciences. Sample surveys, design of experiments, measurement, analysis of data, simulating probabilities, concepts of inference. Application to current issues and controversies. Not available for credit toward graduation in the School of Science. Typically offered Summer Fall Spring.

TECH 12000 - Design Thinking In Technology

Credit Hours: 3.00. Student will engage in critical analysis of real-world problems and global challenges. They will demonstrate the ability to recognize opportunity and to take initiative in developing solutions applying the principles of human centered design. Students will be able to communicate effectively and to work well on teams. Problems and solutions will be examined from societal, cultural, and ethical perspectives. Typically offered Fall Spring Summer.

Humanities Human Cultures (H)

AAS 27100 - Introduction To African American Studies

Credit Hours: 3.00. Introduction to the philosophical and methodological principles underlying Afro-American studies. Dimensions of the black experience, including history, education, politics, psychology, economics, religion, social organization, and art, will be covered, and the requisite academic tools and sources will be examined. Typically offered Fall Spring Summer.

AD 11300 - Basic Drawing

Credit Hours: 3.00. An introduction to drawing and sketching as a means of communication of ideas. Typically offered Summer Fall Spring. CTL:IFA 1320 Drawing

AD 11700 - Photography I: Black And White Processes And Aesthetics

Credit Hours: 3.00. An introductory course in silver-based photographic processes and creative image making. Emphasis is on the development of camera and darkroom techniques, and fostering critical thinking skills related to the traditions and aesthetics of black and white photographic practice. Typically offered Summer Fall Spring.

AD 12500 - Introduction To Interior Design

Credit Hours: 3.00. Introductory survey of interior spaces and their impact upon the physical, social, psychological, and aesthetic needs of people. Critical evaluation of concepts in the interior design profession and related fields will be emphasized. Typically offered Fall.

AD 22700 - History Of Art Since 1400

Credit Hours: 3.00. Review of painting, sculpture, and architecture from 1400 to present. Typically offered Spring. CTL:IFA 1312 Art History II

AD 24200 - Ceramics I

Credit Hours: 3.00. An introduction to ceramic materials and processes used in creating wheelthrown and hand-formed pottery and sculpture. Emphasis on contemporary interpretations of traditional forms. Freshman and Sophomore students have priority. Typically offered Fall Spring.

AD 25100 - History Of Photography I

Credit Hours: 3.00. An introduction of the history of photography from the medium's inception until 1950. Emphasis is placed on understanding photographs from a variety of aesthetic, social, and cultural perspectives, including those of race, class, and gender. Typically offered Summer Fall Spring.

AD 25500 - Art Appreciation

Credit Hours: 3.00. Understanding and appreciation of the problems overcome by mankind in the origins and growth of art. Typically offered Fall Spring. CTL:IFA 1310 Art Appreciation

AD 26500 - Relief Printmaking

Credit Hours: 3.00. An introduction to the techniques of woodcut, linocut, collagraph, and related media. Emphasis on fine art conceptual issues, creativity, matting and framing art, and professional practices. Typically offered Fall Spring.

AD 26600 - Silkscreen Printmaking

Credit Hours: 3.00. An introduction to the techniques of silkscreen printmaking on paper, including the uses of handmade and light-sensitive stencils. Emphasis on fine art conceptual issues, creativity, matting, and framing art, and professional practices. Typically offered Fall Spring.

AD 27500 - Beginning Sculpture

Credit Hours: 3.00. An introductory course in sculpture, exploring basic concepts, techniques, and materials. Problems in class will emphasize individual student's aesthetic understanding of techniques and inventive use of materials. Typically offered Fall Spring.

AD 38300 - Modern Art

Credit Hours: 3.00. A comprehensive overview of the visual arts from impressionism to Surrealism, designed to help students understand the cultural, social, and historical dynamics that influence artistic creation, and reflect upon the meanings of modernism. Typically offered Fall Spring.

AMST 20100 - Interpreting America

Credit Hours: 3.00. Introduction to the interdisciplinary study of American culture, history, and society in its national and global contexts. Typically offered Fall Spring.

ARAB 28000 - Arabic Culture

Credit Hours: 3.00. A historical and literary survey of defining characteristics of Arabic culture from pre-Islamic times to the modern period. Typically offered Summer Fall Spring.

CHNS 10100 - Chinese Level I

Credit Hours: 4.00. A comprehensive course in elementary Mandarin, designed to develop basic proficiency in listening, speaking, reading, and writing. Systematic coverage of syntactical patterns. After oral foundation work, 20 characters are introduced each lesson in unsimplified and simplified forms. Typically offered Summer Fall Spring.

CLCS 23010 - Survey Of Greek Literature In Translation

Credit Hours: 3.00. Introduction to Ancient Greek literature from Homer to Plato. All readings in English. Typically offered Fall Spring Summer.

CLCS 23100 - Survey Of Latin Literature

Credit Hours: 3.00. Highlights of literature written in Ancient Rome at times of political, social, and intellectual turbulence.

Reading (all in English) includes Vergil's Aeneid, as well as selections from other influential Latin texts. Typically offered Fall Spring Summer.

CLCS 23200 - Classical Roots Of English Words

Credit Hours: 3.00. This is an introduction to English etymology with emphasis on building vocabulary. Students will learn English derivatives from both classical Greek and Latin. All texts to be read in English. Typically offered Fall Spring Summer.

CLCS 23300 - Comparative Mythology

Credit Hours: 3.00. Comparative study of the myths of major ancient cultures, with emphasis on shared typological features. Typically offered Summer Fall Spring.

CLCS 23500 - Introduction To Classical Mythology

Credit Hours: 3.00. Study of the myths of western antiquity, as represented in ancient Greek and Latin texts and images. Typically offered Fall Spring Summer.

CLCS 23700 - Gender And Sexuality In Greek And Roman Antiquity

Credit Hours: 3.00. How identities based on gender, sexual behavior and sexual desire, and socio-economic status are established in ancient Greece and Rome. Exploration of why these ancient views of gender and sexuality remain of continuing importance in the 21st century. All readings in English. Typically offered Fall Spring Summer.

CLCS 33900 - Literature And The Law

Credit Hours: 3.00. Study of literary texts that shed light on the varied practices and ideals that different ancient and modern societies have regarded as "lawful", "just", and "good". Exploration of questions and conflicts arising from disagreement about these ideals and from the difficulties enacting them through legal systems, political structures, and individual choices. Typically offered Fall Spring Summer.

CMPL 26600 - World Literature: From The Beginnings To 1700 A D

Credit Hours: 3.00. (ENGL 26600) World literature in translation. A comparative and chronological survey of the masterpieces of Eastern and Western literature. Typically offered Summer Fall Spring.

CMPL 26700 - World Literature: From 1700 A D To The Present

Credit Hours: 3.00. (ENGL 26700) World literature in translation. A comparative and chronological survey of the masterpieces of Eastern and Western literature. Typically offered Spring Summer Fall.

DANC 25000 - Dance Appreciation

Credit Hours: 3.00. Understanding and appreciation of dance as an art form. Topics include compositional forms; movement styles; elements of dance; and influential choreographers, dancers, and theorists representative of various historical periods and aesthetic points of view. Typically offered Fall Spring.

EDST 20000 - History And Philosophy Of Education

Credit Hours: 3.00. (EDFA 20000) How history and philosophy have informed school organization, curriculum, and teaching practice. Students develop their own philosophies of teaching. Topics include continuities and discontinuities of schooling, colonial period to present. Conflicting demands placed upon schools. Issues of race, class, and gender inform debates over school purposes and practices. Typically offered Fall Spring Summer.

ENGL 23000 - Great Narrative Works

Credit Hours: 3.00. Reading and discussion of great narratives from Homer's Odyssey to the present, considering works from a variety of cultures and time periods in order to develop an understanding of their ideas, structures, styles, and cultural values. Typically offered Fall Spring Summer.

ENGL 23800 - Introduction To Fiction

Credit Hours: 3.00. Reading and discussion of short stories and seven novels to promote awareness, understanding, and appreciation of the range, values, techniques, and meanings of modern fiction. Typically offered Fall Spring Summer.

ENGL 25000 - Great American Books

Credit Hours: 3.00. Selected works, such as The Scarlett Letter, Moby Dick, Uncle Tom's Cabin, Walden, Huckleberry Finn, Absalom, Absalom!, Their Eyes Were Watching God, Native Son, and Beloved, closely read and discussed as to their literary qualities and their cultural significance. Typically offered Fall Spring Summer.

ENGL 27600 - Shakespeare On Film

Credit Hours: 3.00. Considers the relation of the written text of five or six Shakespeare plays to multiple film versions from a wide variety of times and cultures, e.g., the United States, England, France, Italy, Japan, Denmark, India, and Russia. Typically offered Fall Spring Summer.

ENGL 28600 - The Movies

Credit Hours: 3.00. (Lec/Lab offering at PWL.) The history and aesthetics of the movies from *The Great Train Robbery* and *The Birth of a Nation* or *Intolerance* to contemporary films. Comparison of the cinematic method with the methods of the drama and the novel. One afternoon or evening a week for the screening of films; two periods a week for discussion. Typically offered Fall Spring.

FR 10100 - French Level I

Credit Hours: 3.00. A beginning French course with emphasis on communicative skills (listening and speaking), literacy skills (reading and writing) and culture. Permission of department required. Typically offered Fall Spring Summer. CTL:IWL 1901 French Level I

FR 33000 - French Cinema

Credit Hours: 3.00. A general survey of major French cinematic trends from the earliest examples (Melies, Lumiere) to the New Wave (Chabrol, Truffaut, Resnais, Godard, etc.), with a discussion of the historical, social, political, aesthetic, and literary contexts. The French film in relation to world cinema. The relationship between the French cinema and French literature. Reading and analysis of scripts and historical and critical materials. Knowledge of French not required. Typically offered Fall Spring Summer.

GER 23000 - German Literature In Translation

Credit Hours: 3.00. Reading and analysis of selected German writers and their works, with particular emphasis on the social, political, and intellectual climate of the times. The course content will change from semester to semester. Knowledge of German not required. Typically offered Fall Spring Summer.

GER 33000 - German Cinema

Credit Hours: 3.00. Viewing and analysis of major German contributions to the cinema from the earliest period to the present. Emphasis on relevant aesthetic theories and on the schools of literature and painting that served as sources. Evaluation of the German film on the basis of social, artistic, and political criteria. Knowledge of German not required. Typically offered Fall Spring Summer.

GREK 10100 - Ancient Greek Level I

Credit Hours: 3.00. Introduction to the grammar of Attic Greek of the Classical period, and first forays into the reading of connected prose. Emphasis on accidence, syntax, and vocabulary building. Typically offered Fall Spring.

HIST 10300 - Introduction To The Medieval World

Credit Hours: 3.00. Barbarians, kings, queens, peasants, witches, saints, teachers, students, heretics, Moslems, Jews, Christians, love, death, monks, farm life, city life, ordinary men, women, and children as Europe develops from A.D. 500 to 1500. Typically offered Fall Spring Summer.

HIST 10400 - Introduction To The Modern World

Credit Hours: 3.00. Traces the expansion of Europe into the Americas, Africa, and Asia. The French Revolution, nationalism, and the development of western European states from the era of the Reformation to the present are studied. Typically offered Fall Spring Summer.

HIST 10500 - Survey Of Global History

Credit Hours: 3.00. A survey of the interaction between the civilizations of Asia, Africa, Europe, and the Americas since 1500, with attention to cultural comparisons over time, and to the implications of global interdependence for the environment, health, economy, and geopolitics. Typically offered Fall Spring Summer.

HIST 15100 - American History To 1877

Credit Hours: 3.00. A study of the development of American political, economic, and social institutions from the early explorations and colonial settlements through Reconstruction. Typically offered Fall Spring Summer. CTL:ISH 1010 American History I

HIST 15200 - United States Since 1877

Credit Hours: 3.00. A study of the growth of the United States from 1877 to the present. The new industrialism, agrarian problems, depression, the New Deal, the two world wars, the cold war, and similar topics are analyzed. Typically offered Fall Spring Summer. CTL:ISH 1011 American History II

HIST 21000 - The Making Of Modern Africa

Credit Hours: 3.00. This course provides students with a comprehensive introduction to modern African history from 1800 to the present. Using a variety of films, novels and scholarly resources, we will examine the major historical forces that have shaped African lives over the last two centuries. Emphasis will be placed on African experiences of slavery, colonialism, liberation struggles, and post-independence national building. Students will also learn to analyze contemporary African issues within a larger historical context. Typically offered Fall Spring.

HIST 24000 - East Asia And Its Historic Tradition

Credit Hours: 3.00. Survey of the great historic traditions of China, Japan, and Korea from earliest times to approximately 1600, with special attention to state formation, society, intellectual, philosophical, and religious developments, and the visual, musical, and literary arts. Typically offered Fall.

HIST 24100 - East Asia In The Modern World

Credit Hours: 3.00. The response of China, Japan, and Korea to the coming of the West in modern times, with special stress on the effect of Western ideas and machines. Approximately 1600 to the present. Typically offered Spring.

HIST 24300 - South Asian History And Civilizations

Credit Hours: 3.00. Survey history of India, Pakistan, and Bangladesh, from the origins of South Asian civilization to the present. Topics include ancient India, the Mughal Empire, the colonial experience, the independence movement, and conflict and popular culture. Typically offered Fall Spring.

HIST 24500 - Introduction To The Middle East History And Culture

Credit Hours: 3.00. A survey of the civilization of the Middle East from the rise of Islam to the present. The political, social, and cultural institutions are examined along with the problem of adjusting these to the pressure of Western civilization in the last two centuries. Typically offered Fall Spring.

HIST 24600 - Modern Middle East And North Africa

Credit Hours: 3.00. This course explores the political, social, and cultural factors that have contributed to the formation of the modern Middle East. Course includes short stories and a selection of documentary films from the region. Typically offered Summer Fall Spring.

HIST 27100 - Introduction To Colonial Latin American History (1492-1810)

Credit Hours: 3.00. The purpose of this general survey course is to introduce students to the principle historical themes of Latin America during the colonial period (roughly, from 1492 to 1810). No prior knowledge of Latin American history is required. Typically offered Fall Spring Summer.

HIST 27200 - Introduction To Modern Latin American History (1810 To The Present)

Credit Hours: 3.00. The purpose of this general survey course is to introduce students to the study of the major economic, political, social, and cultural processes that shaped modern Latin American nations since independence. No prior knowledge of Latin American history is required. Typically offered Fall Spring Summer.

HIST 35100 - The Second World War

Credit Hours: 3.00. A study of the diplomacy, economic mobilization, and military operations of World War II, 1939-1945. Typically offered Fall Spring.

HIST 37100 - Society, Culture, And Rock And Roll

Credit Hours: 3.00. Surveys American society and culture through the prism of rock and roll music. Looks at politics, gender, race, and class in the postwar era to examine and explain the social, economic, and technological forces that shaped rock and roll. Typically offered Fall Spring.

HIST 38001 - History Of United States Agriculture

Credit Hours: 3.0. This course surveys the main development in North American agricultural history, emphasizing the continental United States. Topics include early American agriculture, the plantation system, land policy, scientific and technological change, agrarian politics, water rights, migrant labor, and agricultural policy. Typically offered Fall Spring.

ITAL 10100 - Italian Level I

Credit Hours: 3.00. A beginning Italian course with emphasis on communicative skills (listening and speaking), literacy (reading and writing) and culture. Typically offered Fall Spring Summer.

ITAL 28100 - The Italian Renaissance And Its Impact On Western Civilization

Credit Hours: 3.00. This course introduces students to the most important literary, cultural, and political writings of the Italian Renaissance, and shows the pivotal influence of the Renaissance on the development of Western civilization as a whole. Classes and readings entirely in English; no knowledge of Italian is needed. Typically offered Fall Spring Summer.

ITAL 33000 - The Italian Cinema

Credit Hours: 3.00. The development and evolution of Italian cinema after World War II. The class will center on the viewing and discussion of films and will survey a broad spectrum of directors and styles. Knowledge of Italian not required. Typically offered Fall Spring Summer.

ITAL 33300 - The Spirit Of Italian Comedy

Credit Hours: 3.00. This course explores various types of Italian comedy, focusing on theater and cinema. Particular emphasis will be given to Renaissance theater, commedia dell'arte, Goldoni, Pirandello, Dario Fo, and to the new generation of Italian comedians. In English. Typically offered Summer Fall Spring.

LATN 10100 - Latin Level I

Credit Hours: 3.00. Introduction to classical Latin language. Focus on grammar, syntax, vocabulary, and elementary readings. Typically offered Fall Spring Summer.

LC 23900 - Women Writers In Translation

Credit Hours: 3.00. An examination of international female writers' literary creativity in the context of women's studies and feminist theory, as articulated in their specific cultural and geographical milieu. Course content will vary in terms of cultural focus. In English. Typically offered Fall Spring Summer.

LC 33300 - The Middle Ages On Film

Credit Hours: 3.00. Introduction to the Middle Ages through films in various languages and genres from the beginning of film history to the present. Reading literary, historical, legal, and film theory texts in conjunction with the films, students critically analyze representations of the Middle Ages and the cultural context from which these emerge. Typically offered Fall Spring.

MUS 25000 - Music Appreciation

Credit Hours: 3.00. The traditions, forms, and styles of classical music. Other types of music may be examined as well. (Students may register through the Continuing Education Student Learning Center at the Tech Statewide locations via distance education.) Typically offered Fall Spring Summer. CTL:IFA 1330 Music Appreciation

MUS 26100 - Fundamentals Of Music

Credit Hours: 3.00. Fundamentals of music notation, ear training, and music reading. Typically offered Fall Spring.

MUS 36100 - Music Theory I

Credit Hours: 3.00. Course comprises instruction in melodic and harmonic processes in tonal music; development of analytic,

listening and piano techniques with musical equipment. Music reading ability is required, verified through Placement Exam. Typically offered Fall Spring.

MUS 37800 - Jazz History

Credit Hours: 3.00. A historical and stylistic study of jazz. Typically offered Fall Spring.

PHIL 11100 - Ethics

Credit Hours: 3.00. A study of the nature of moral value and obligation. Topics such as the following will be considered: different conceptions of the good life and standards of right conduct; the relation of nonmoral and moral goodness; determinism, free will, and the problem of moral responsibility; the political and social dimensions of ethics; the principles and methods of moral judgment. Readings will be drawn both from contemporary sources and from the works of such philosophers as Plato, Aristotle, Aquinas, Butler, Hume, Kant, and J. S. Mill. Typically offered Summer Fall Spring. CTL:ISH 1051 Ethics

PHIL 11000 - Introduction To Philosophy

Credit Hours: 3.00. The basic problems and types of philosophy, with special emphasis on the problems of knowledge and the nature of reality. Typically offered Summer Fall Spring. CTL:ISH 1050 Introduction To Philosophy

PHIL 11400 - Global Moral Issues

Credit Hours: 3.00. A systematic and representative examination of significant contemporary moral problems with a focus on global issues such as international justice, poverty and foreign aid, nationalism and patriotism, just war, population and the environment, human rights, gender equality, and national self-determination. Typically offered Fall Spring Summer.

PHIL 28000 - Ethics And Animals

Credit Hours: 3.00. An exploration through the study of major historical and contemporary philosophical writings of basic moral issues as they apply to our treatment of animals. Rational understanding of the general philosophical problems raised by practices such as experimentation on animals or meat-eating will be emphasized. Typically offered Fall Spring.

PHIL 29000 - Environmental Ethics

Credit Hours: 3.00. An introduction to philosophical issues surrounding debates about the environment and our treatment of it. Topics may include endangered species, "deep ecology," the scope and limits of cost-benefit analyses, and duties to future generations. Typically offered Fall Spring.

REL 20000 - Introduction To The Study Of Religion

Credit Hours: 3.00. This course will introduce students to the academic study of religion through an exploration of various methodologies available for a critical, reflective investigation of the study of religion. Typically offered Summer Fall Spring.

REL 23000 - Religions Of The East

Credit Hours: 3.00. (PHIL 33000) A study of the history, teaching, and present institutions of the religions of India, Southeast Asia, China, and Japan. This will include Hinduism, Jainism, Sikhism, Buddhism, Confucianism, Taoism, Shintoism, and Zoroastrianism. Typically offered Summer Fall Spring.

RUSS 33000 - Russian And East European Cinema

Credit Hours: 3.00. Viewing and analysis of significant Russian and East European films. Evolution of the Russian and East European cinema, its place in world cinema, and its relation to cultural, political, and social trends. Cinematic adaptation of literary and theatrical works. Knowledge of Russian or East European languages not required. Typically offered Fall Spring Summer.

SPAN 23500 - Spanish American Literature In Translation

Credit Hours: 3.00. Reading and discussion of selected masterpieces of Spanish American literature. The course context will change from semester to semester. Knowledge of Spanish not required. Typically offered Fall Spring Summer.

SPAN 33000 - Spanish And Latin American Cinema

Credit Hours: 3.00. Screening and analysis of selected Spanish and Latin American films with readings and discussions relative to their historical, social, political, aesthetic, literary, and linguistic contexts. No knowledge of Spanish required. Typically offered Fall Spring Summer.

THTR 20100 - Theatre Appreciation

Credit Hours: 3.00. Understanding and appreciation of the theatre's role in the modern world, dramatic structure and analysis, the actor, director, designer, and critic; attendance at current stage productions; class discussion of production elements. Typically offered Summer Fall Spring. CTL:IFA 1302 Theatre Appreciation

WGSS 28000 - Women's Studies: An Introduction

Credit Hours: 3.00. An introductory survey of the concepts and research data in the new scholarship on women. Topics covered include biology, sexuality, socialization, family and work, creativity, and politics. Typically offered Summer Fall Spring.

Behavior/Social Science (BSS)

AGEC 20300 - Introductory Microeconomics For Food And Agribusiness

Credit Hours: 3.00. This course introduces the application of microeconomics as used by farms and agribusiness firms. The behavior of individual firms is evaluated as price and output are determined in various market structures (pure competition, pure monopoly, monopolistic competition, and oligopoly). Other topics include pricing and employment of resources, market failure and the social control of industry (government, economics policy, and regulation), cost and production theory. Typically offered Fall Spring.

AGEC 20400 - Introduction To Resource Economics And Environmental Policy

Credit Hours: 3.00. The course provides an overview of microeconomic theory and its application to issues related to evaluating resource economic issues and environmental policy. Topics discussed include efficiency, sustainability, valuation, externalities, governmental policies, and benefit cost analysis. Typically offered Spring.

AGEC 21700 - Economics

Credit Hours: 3.00. National economic problems such as unemployment, recessions, inflation, taxation, bank interest rates, the growth of government, monetary systems, and a rising national debt are discussed along with the principles, policies, and institutions for solving these macroeconomic problems. Typically offered Fall Spring Summer.

AGEC 25000 - Economic Geography Of World Food And Resources

Credit Hours: 3.00. A study of the important issues and economic decisions about worldwide resource use for food and fiber production as influenced by geography, climate, history, social institutions, national self-interest, and the environment. Typically offered Fall Spring.

AGR 20100 - Communicating Across Culture

Credit Hours: 3.00. This course will provide students with an opportunity to understand their place in a multicultural, multiethnic, multinational country, the United States. It is designed to provide an academic overview of the field of multicultural education as it evolved to this day. The course will offer an introductory overview of the many differences that exist within all human beings. Because the diversity among individuals is endless, we cannot study all differences, but will study a sampling such as race, ethnicity, gender identity, age, social class, disability, learning styles, and religion/spiritual orientation. Issues of poverty,

language, and social justice may also be examined in relationship to the above major areas of emphasis. Typically offered Fall Spring.

ANTH 10000 - Introduction To Anthropology

Credit Hours: 3.00. A general introduction to anthropology's holistic approach to human nature and behavior. A basic survey of biocultural developmental and evolutionary processes, and human uniformity and diversity through time and across space. Typically offered Summer.

ANTH 20100 - Introduction To Archaeology And World Prehistory

Credit Hours: 3.00. Introduction to the ideas and practices of archaeology that are used in the study of human prehistory, from the earliest stone tools to the development of agriculture and states. Emphasis is placed on the objectives and methods of contemporary archaeology. Typically offered Summer Fall Spring.

ANTH 20300 - Biological Bases Of Human Social Behavior

Credit Hours: 3.00. This course is an introduction to human social behavior from the perspective of biological anthropology, with special emphasis on human evolution and non-human primates. Topics include aggression, communication, learning, maturation, sexuality, and the evolution of social systems. Typically offered Fall Spring.

ANTH 20500 - Human Cultural Diversity

Credit Hours: 3.00. Using concepts and models of cultural anthropology, this course will survey the principal cultural types of the world and their distribution, and will undertake a detailed analysis of societies representative of each type. Typically offered Fall Spring.

ANTH 23000 - Gender Across Cultures

Credit Hours: 3.00. Explores gender and sexuality from a cross-cultural perspective. Draws on case studies to explore the complexities of women's and men's lives. Examines gender hierarchies, gender in a globalized world, and the cultural construction of sexuality and gender. Typically offered Summer Fall Spring.

ANTH 37900 - Native American Cultures

Credit Hours: 3.00. General survey of Native cultures of the Americas. Topics to be covered include prehistory, language, religion, aesthetics, culture contact and change, contemporary issues, and social, economic and political organization. Typically offered Fall (and occasionally in the Spring).

CLCS 18100 - Classical World Civilizations

Credit Hours: 3.00. Course introduces students to "Classical" civilizations on three continents (Europe, Africa, and Asia) demonstrably interconnected by an ancient world system. Course focuses on essential themes of past civilization: religion, philosophy, surviving texts, gender relations, urbanism, technology, social and political formations. Typically offered Summer Fall Spring.

COM 21200 - Approaches To The Study Of Interpersonal Communication

Credit Hours: 3.00. A study of the basic characteristics of human communication and the theoretical and practical implications of these characteristics for various forms of oral communication. Typically offered Fall Spring Summer. CTL:ICM 1101 Interpersonal Communication

COM 22400 - Communicating In The Global Workplace

Credit Hours: 3.00. This introductory course explores communication issues that arise in the global workplace. The course develops an appreciation of the relationship among culture, communication, and ways of organizing and doing business. Typically offered Fall.

ECON 21000 - Principles Of Economics

Credit Hours: 3.00. Economics is the study of decision making under conditions of scarcity. This course looks at the behavior of the individual consumer and firm and their interaction with the government. The second half of the course studies the macroeconomy and focuses on the causes of inflation, unemployment, and interest rate changes. The international economy also will be studied. No credit for management students. Typically offered Fall Spring Summer. CTL:ISH 1040 Introduction To Economics

ECON 25100 - Microeconomics

Credit Hours: 3.00. Microeconomics studies the choices individuals make and the incentives that influence those choices. Emphasis is on the incentives that determine market prices and resource allocation. The role of public policy in influencing incentives and efficiency is also addressed. Typically offered Fall Spring Summer. CTL:ISH 1042 Microeconomics

ECON 25200 - Macroeconomics

Credit Hours: 3.00. Introduction to macroeconomic theory. The course develops a theoretical framework permitting an analysis of the forces affecting national income, employment, interest rates, and the rate of inflation. Emphasis is placed upon the role of government fiscal and monetary policy in promoting economic growth and stable prices. Typically offered Fall Spring Summer. CTL:ISH 1041 Macroeconomics

EDCI 28500 - Multiculturalism And Education

Credit Hours: 3.00. This course integrates an understanding of multiculturalism with principles of democratic education. Historical, sociological, cultural, political, philosophical, and pedagogical foundations of multiculturalism are explored and related to issues of pedagogy in a pluralistic society. This course is taken concurrently with EDCI 20500, which includes a school-based Theory into Practice field experience. Some discussion topics and assignments will be based on that field experience. It is highly recommended that EDCI 27000 be taken with or before taking this course. Typically offered Fall Spring Summer.

EDPS 23500 - Learning And Motivation

Credit Hours: 3.00. Introduction to concepts of learning and motivation in educational contexts (i.e., Educational Psychology). Influence of development, culture, and individual differences on learning and motivation. Uses of assessment and technology in promoting learning and motivation. A field-based experiential component is included. Typically offered Fall Spring Summer.

EDPS 26500 - The Inclusive Classroom

Credit Hours: 3.00. Characteristics of students with special needs/talents; strategies for helping students learn and develop in general educational settings. Emphasis placed upon research evidence, case studies, problem-based learning, and development of a plan for an inclusive classroom. A field-based component is included. Typically offered Spring Summer Fall.

EDPS 31600 - Collaborative Leadership: Cross-Cultural Settings

Credit Hours: 3.00. In this course, students will explore the cultural nuances of leadership in the United States as well as around the world. This course will include impact of globalism as a context for leadership, conflict resolution in a global environment, and other important factors that impact culturally diverse or global teams. Typically offered Fall Spring Summer.

EDST 24800 - Contemporary Issues In American Schools

Credit Hours: 3.00. Students will read about and discuss critical issues facing schools today. Issues will include: funding, testing/assessment, charter schools, vouchers, bilingualism, dropout programs, violence in schools, accountability movement, teacher unions, parent involvement, inclusion, tracking, technology, and others. Requirements include weekly readings and online responses; one five-page paper; and one group project. Typically offered Fall Spring.

ENGL 22700 - Elements Of Linguistics

Credit Hours: 3.00. A summary of what is known about human language, its structure, its universality, and its diversity; language in its social setting; language in relation to other aspects of human inquiry and knowledge. Credit will not be awarded for both ENGL 22700 and LC 26100. Typically offered Fall Spring Summer. CTL:IEL 1260 Introduction To Linguistics

HDFS 21000 - Introduction To Human Development

Credit Hours: 3.00. This course provides an introduction to the development of individuals from the prenatal period to adulthood and old age. Theories and research findings related to physical growth, cognitive and language development and social and emotional development will be discussed. Typically offered Fall Spring Summer. CTL: Developmental Psychology.

HDFS 28000 - Diversity In Individual And Family Life

Credit Hours: 3.00. Students are introduced to aspects of individual and family life in diverse cultures, particularly racially and/or ethnically diverse families in the United States. The nature of relationships between dominant and minority cultures is considered. Implications of diversity for practice with diverse populations are emphasized throughout the course. Typically offered Fall Spring Summer.

LC 26100 - Introduction To The Linguistic Study Of Foreign Languages

Credit Hours: 3.00. Overview of linguistics and the role of language in society; fundamental concepts of linguistic analysis. The course focuses on linguistic phenomena found in French, German, Russian, and Spanish, with material, examples, and assignments drawn primarily from those languages whenever appropriate. Credit will not be awarded for both LC 26100 and SLHS 22700/ENGL 22700. Typically offered Fall Spring.

LING 20100 - Introduction To Linguistics

Credit Hours: 3.00. Basic concepts of linguistics and methods of analysis of language; overview of linguistics and the role of language in society. Introduction to phonology, morphology, syntax, and semantics, and to problem-solving techniques, with material drawn from a variety of languages. Typically offered Fall Spring.

POL 10100 - American Government And Politics

Credit Hours: 3.00. A study of the nature of democratic government, the U.S. Constitution, federalism, civil rights, political dynamics, the presidency, Congress, and the judiciary. Typically offered Summer Fall Spring. CTL: ISH 1002 American Government

POL 12000 - Introduction To Public Policy And Public Administration

Credit Hours: 3.00. An introduction to the fields of public policy and public administration. Processes of policy formation and administration are examined. Different approaches to evaluating and improving public policies are discussed. Typically offered Summer Fall Spring.

POL 13000 - Introduction To International Relations

Credit Hours: 3.00. An analysis of the fundamentals of international law, organization, and politics, particularly as relevant to contemporary international relations. Typically offered Summer Fall Spring. CTL:ISH 1003 Introduction To World Politics

POL 22200 - Women, Politics, And Public Policy

Credit Hours: 3.00. An introduction to women's participation in politics, with an emphasis on America. Structural and attitudinal conditions limiting women's political roles and contemporary efforts to change women's status in society through politics. Typically offered Summer Fall Spring.

POL 22300 - Introduction To Environmental Policy

Credit Hours: 3.00. (FNR 22310) Study of decision making as modern societies attempt to cope with environmental and natural resources problems. Focuses on the American political system, with some attention to the international dimension. Current policies and issues will be examined. Typically offered Fall Spring.

POL 23500 - International Relations Among Rich And Poor Nations

Credit Hours: 3.00. Introduction to the major themes in the contemporary international relations among rich and poor nations. Examines such areas as North-South relations, interdependence, international organizations, and global development. Typically offered Fall Spring.

PSY 12000 - Elementary Psychology

Credit Hours: 3.00. Introduction to the fundamental principles of psychology, covering particularly the topics of personality, intelligence, emotion, abnormal behavior, attention, perception, learning, memory, and thinking. As part of their learning experience, students participate in psychological experiments. Typically offered Fall Spring Summer. CTL:ISH 1020 Introduction To Psychology

SLHS 22700 - Elements Of Linguistics

Credit Hours: 3.00. (ENGL 22700) Credit will not be awarded for both AUSL 22700 and LC 26100. A summary of what is known about human language, its structure, its universality, and its diversity; language in its social setting; language in relation to other aspects of human inquiry and knowledge. Typically offered Summer Fall Spring.

SOC 10000 - Introductory Sociology

Credit Hours: 3.00. A survey course designed to introduce the student to the scene of human society. Fundamental concepts, description, and analysis of society, culture, the socialization process, social institutions, and social change. Students of junior or senior standing should take SOC 31200, unless they are sociology or law and society majors. Typically offered Fall Spring Summer. CTL:ISH 1060 Introduction To Sociology

SOC 22000 - Social Problems

Credit Hours: 3.00. Contemporary problems at the community, society, and international levels, focusing on patterns of social organization and social change in American society, with concentration on such topics as technological militarism and war, poverty, racism, political protest, and cybernation. Typically offered Fall Spring Summer. CTL:ISH 1061 Social Problems

WGSS 28000 - Women's Studies: An Introduction

Credit Hours: 3.00. An introductory survey of the concepts and research data in the new scholarship on women. Topics covered include biology, sexuality, socialization, family and work, creativity, and politics. Typically offered Summer Fall Spring.

WGSS 28200 - Introduction To LGBT Studies

Credit Hours: 3.00. (ANTH 28200) This course offers students an introduction to the interdisciplinary study of lesbian, gay, bisexual, transgender and queer lives. It provides a basic grounding in theories of sexuality and LGBT histories, identities and movements in the U.S. and globally. Typically offered Fall Spring.

WGSS 38000 - Gender And Multiculturalism

Credit Hours: 3.00. This course expands students' understanding of gender issues by exploring the multicultural diversity of women's lives. It examines how race, class, sexuality, and culture interact and shape society and ecology in the United States and in a global context. Typically offered Fall Spring.

Further Selectives

For the rest of the selective list please [click here](#).

Foreign Language Courses

Foreign Language proficiency requirements vary by program. For acceptable languages and proficiency levels, see your advisor:

American Sign Language, Arabic, Chinese, French, German, (ancient) Greek, Hebrew, Italian, Japanese, Latin, Portuguese, Russian, Spanish

Critical Course

The ♦ course is considered critical. A Critical Course is one that a student must be able to pass to persist and succeed in a particular major.

Department of Basic Medical Sciences

Overview

The Department of Basic Medical Sciences (BMS) offers graduate programs leading to the Master of Science (M.S.) and Doctor of Philosophy (Ph.D) degrees. The Department emphasizes integrative studies that are applicable to animal and human health. Discovery activities range from studies of molecular and cellular processes to studies of the whole animal, in areas of cell and tissue growth, differentiation, regeneration, and numerous aspects of cancer biology. BMS faculty currently have active research programs in the areas of cancer biology; musculoskeletal biomechanics and skeletal adaptation; neural development, mechanisms of injury and regeneration; tissue dynamic spectroscopy; cellular and molecular screening; and high throughput analysis of cell function. Our directory of faculty research interests describes in more detail the exciting research that is conducted in BMS.

Faculty

<http://vet.purdue.edu/directory/index.php?department=2>.

Contact Information

Basic Medical Sciences

Purdue University College of Veterinary Medicine
Basic Medical Sciences Department
625 Harrison St.
West Lafayette, IN 47907-2026

Phone: 765-494-8632

Fax: 765-494-0781

Graduate Information

For Graduate Information please see Basic Medical Sciences Graduate Program Information.

Department of Comparative Pathobiology

Overview

Welcome to the Department of Comparative Pathobiology. Comparative Pathobiology is the study of disease phenomena basic to all species including humans, at the molecular, cellular, organismal and ecosystem level. Our faculty, staff and students are involved in research and learning in a variety of areas including pathobiology, infectious diseases and vaccines, cancer biology, nanomedicine, toxicology, disease surveillance and human-animal interactions.

Faculty

<http://vet.purdue.edu/directory/index.php?department=3>.

Contact Information

Comparative Pathobiology

Ramesh Vemulapalli, BVSc, MVSc, PhD

Department Head, Department of Comparative Pathobiology

Professor of Veterinary Microbiology and Immunology

Phone: 765.494.7560

Email: rvemulap@purdue.edu

Graduate Information

For Graduate Information please see Comparative Pathobiology Graduate Program Information.

Department of Veterinary Clinical Sciences

Overview

Welcome to the Department of Veterinary Clinical Sciences. The VCS department is one of three departments in the Purdue University College of Veterinary Medicine. Our mission is to educate members of the veterinary health care team and biomedical community, to create and communicate knowledge, and to provide outstanding clinical service for the citizens of Indiana and surrounding region.

The department offers graduate programs leading to the Master of Science (MS; thesis or non-thesis) and Doctor of Philosophy (PhD) degrees. We also provide excellent opportunities for Post-DVM students to further their training through specialty residency programs in anesthesiology, cardiology, diagnostic imaging, emergency and critical care medicine, large animal internal medicine, large animal surgery, neurology, oncology, ophthalmology, radiation oncology, small animal internal medicine, and small animal surgery.

Faculty

<https://vet.purdue.edu/directory/index.php>

Contact Information

Veterinary Clinical Sciences

The VCS department office is located in Lynn Hall, Rm. 1352.

Hours: Monday - Friday, 8:00am - 5:00pm

Department Head

J. Scott-Moncrieff, VET MB, MA, MS

Department Head

Professor, Small Animal Internal Medicine

Phone: 765.494.9900

Fax: 765.496.1108

Email: scottmon@purdue.edu

Graduate Information

For Graduate Information please see [Veterinary Clinical Sciences Graduate Program Information](#).