VETS - 1002 Applied Veterinary Med Term, 2.00 Credits
Level: Lower
This course is designed to introduce Veterinary Technology students to the animal and procedural terminology they will need to understand during their studies. Students will be expected to learn the acronyms and abbreviations commonly used in the field of Veterinary Medicine. Basic animal anatomic terminology and veterinary equipment identification will be taught, as well as the basic calculations that will be required in veterinary technology course work. Students will also be given an overview of the expectations of the profession, college experience and will be given an introduction to the services available at the Student Success Center.

VETS - 1203 Intro to Veterinary Technology, 3.00 Credits
Level: Lower
Applied Learning-Practicum, Course Fee $83.00
This course is an introduction to the field of Veterinary Technology for students who desire to learn about the profession, preferably those who have not had laboratory animal science experience. This course will provide an overview of the profession and exposure to various clinical services. Students will also have an opportunity to shadow and shadowing veterinary technicians and veterinarians. The course will include an introduction to the history of veterinary technology, an overview of the veterinary profession, the role of a veterinary technician, professional associations, the veterinary technology curriculum, and current issues in the field.

VETS - 1204 Pathophysiology of An Disease, 4.00 Credits
Level: Lower
Applied Learning-Practicum, Course Fee $83.00
Pathophysiology of Animal Disease is a course which provides a multidisciplinary approach to the understanding of basic science and clinical information as it relates to health and disease in domestic animals. Utilizing a body systems approach, students will receive in-depth exposure to the most common diseases of domestic animals. They will build on their foundation in anatomy and physiology from previous courses to learn how disease affects normal anatomy and physiology. They will learn to recognize these changes, and to understand disease mechanisms and treatment options. The course will also provide an overview of the role of the veterinary technician in the management of disease.

VETS - 1214 Anatomy & Physiology of Animals I, 4.00 Credits
Level: Lower
Applied Learning-Other, Liberal Arts and Science
Anatomy and Physiology of Animals I is a continuation of the study of anatomy and physiology using Domestic and Exotic animal species as the primary model. The course provides a functional integration of basic science and clinical information as it relates to the healthy animal in an integrated lecture and laboratory approach. Histological slides, Kodachromes, and radiographs will also be utilized to enhance student understanding and retention of course material. The students will explore in greater depth and detail the course materials through questions and discussions fostered by the development of group Power Point presentations on topics that are related to the animal species studied.

VETS - 2014 Anatomy & Physiology of Animals II, 4.00 Credits
Prerequisite(s): VETS 1214 with D or better and VETS 1203 with C or better
Level: Lower
Applied Learning-Other, Liberal Arts and Science
Anatomy and Physiology of Animals II is a continuation of the study of anatomy and physiology using Domestic and Exotic animal species as the primary model. The course provides a functional integration of basic science and clinical information as it relates to the healthy animal in an integrated lecture and laboratory approach. Histological slides, Kodachromes, and radiographs will also be utilized to enhance student understanding and retention of course material. The students will explore in greater depth and detail the course materials through questions and discussions fostered by the development of group Power Point presentations on topics that are related to the animal species studied.

VETS - 2032 Intro to Anesthesia & Surg Nsg, 2.00 Credits
Prerequisite(s): VETS 1214 with D or better and VETS 3003 with C or better
Level: Lower
Applied Learning-Practicum, Course Fee $83.00
This course is designed to prepare the second year Veterinary Technology student to become the individual who can induce, maintain and recover small animal surgical patients. The student will also prepare the animal for surgery and assist in the surgical procedures. Upon course completion, the student will possess an understanding of all procedures done in Vet practice with anesthesia and surgical nursing.

VETS - 2033 Animal Parasitology, 3.00 Credits
Prerequisite(s): VETS 1214 with D or better and VETS 1203 with C or better
Level: Lower
Applied Learning-Practicum, Course Fee $83.00
Parasitology is a multidisciplinary approach to the study of internal and external parasites of companion, exotic and farm animals. This course will integrate the student's knowledge of anatomy and pharmacology while providing the student the opportunity to understand life cycles, diagnostic protocols, control and treatment of the most common internal and external parasites. The course will also provide the students with an understanding of how to appropriately provide both verbal and written communications for the client concerning management, prevention and potential zoonosis of the common parasites. The laboratory will emphasize the common techniques used to identify the parasites of companion, laboratory and farm animals.

VETS - 2034 Radiography, 3.00 Credits
Prerequisite(s): VETS 1214 with D or better and VETS 3003 with C or better
Level: Lower
Applied Learning-Practicum, Course Fee $83.00
In this course students will examine body systems using radiographic, endoscopic, and ultrasound procedures to evaluate animals for the diagnosis and prognosis of trauma or disease. The course integrates the production of the radiograph and its clinical use as it relates to the evaluation of healthy and diseased animals. In the laboratory, students will utilize animal models, inanimate objects, and living animals to perfect their understanding of patient positioning, radiographic exposures, and film developing techniques. Emphasis is placed on safely producing diagnostic quality radiographs using both conventional and digital radiographic techniques, as well as providing the basic skills in the setup and operation of an ultrasound unit. The veterinary endoscope will also be used in the laboratory setting.

VETS - 2034 Clinical Laboratory Techniques, 4.00 Credits
Prerequisite(s): VETS 1214 with D or better and BIOL 5254 with C or better or VETS 3012 with D or better
Level: Lower
This course introduces laboratory techniques performed in veterinary offices and clinics. Examination and testing of blood, feces, urine, and exudates are performed for diagnostic and prognostic purposes. Lectures deal with testing theories and relevance to animal health and disease. Laboratories develop skills necessary to maintain a safe laboratory working environment, institute quality control programs, collect, process, store, and transport clinical biological specimens. Major emphasis of the course is development of skills necessary to operate and maintain clinical analyzers, accurately perform laboratory tests, interpret, and report laboratory results on clinical specimens.

VETS - 2034 Parasitology, 3.00 Credits
Prerequisite(s): VETS 1214 with D or better and VETS 3003 with C or better
Level: Lower
Applied Learning-Practicum, Course Fee $83.00
Parasitology is a multidisciplinary approach to the study of internal and external parasites of companion, exotic and farm animals. This course will integrate the student's knowledge of anatomy and pharmacology while providing the student the opportunity to understand life cycles, diagnostic protocols, control and treatment of the most common internal and external parasites. The course will also provide the students with an understanding of how to appropriately provide both verbal and written communications for the client concerning management, prevention and potential zoonosis of the common parasites. The laboratory will emphasize the common techniques used to identify the parasites of companion, laboratory and farm animals.

VETS - 2034 Parasitology, 3.00 Credits
Prerequisite(s): VETS 1214 with D or better and VETS 3003 with C or better
Level: Lower
Applied Learning-Practicum, Course Fee $83.00
Parasitology is a multidisciplinary approach to the study of internal and external parasites of companion, exotic and farm animals. This course will integrate the student's knowledge of anatomy and pharmacology while providing the student the opportunity to understand life cycles, diagnostic protocols, control and treatment of the most common internal and external parasites. The course will also provide the students with an understanding of how to appropriately provide both verbal and written communications for the client concerning management, prevention and potential zoonosis of the common parasites. The laboratory will emphasize the common techniques used to identify the parasites of companion, laboratory and farm animals.
VETS - 3204 Farm Animal Management, 4.00 Credits
Level: Lower
Applied Learning-Practicum, Course Fee $33.00
This course is designed to provide the student insight into the behavior, care and management of farm animals. Dairy cattle, horses, sheep, swine, goats and other animals will be discussed. Emphasis will be placed on the practical aspects of veterinary nursing such as proper handling, restraint, evaluation, medication, treatment, and examination procedures that apply to farm animal species. Characteristics of the major breeds, terminology, disease control measures, housing, and basic management practices will also be covered. Additional farm experiences outside of regularly scheduled classes will be required for successful completion of this course.

VETS - 4002 Advanced Animal Health Care, 2.00 Credits
Prerequisite(s): VETS 3003 with D or better
Level: Upper
Applied Learning-Practicum
This course will serve two functions. The first is to introduce concepts in veterinary critical care and advanced medical and surgical cases including advanced diagnostics, treatment options, and long term and follow-up animal care. The second is to serve as both a review of classroom material provided throughout the Veterinary Technology curriculum and as a preparation for actual cases and client communication requirements in a veterinary practice.

VETS - 4103 Laboratory Animal and Exotics, 3.00 Credits
Prerequisite(s): VETS 1203 with D or better and VETS 2014 with D or better and VETS 3003 with D or better
Level: Lower
Applied Learning-Practicum, Course Fee $33.00
This course is designed to provide the student with basic knowledge and understanding of research facilities and their function. Students will be instructed in the care and handling of small animals used in the research laboratory. Emphasis will be placed on species differences, housing requirements, nutrition, reproduction, health, sanitation, and laboratory techniques applied in animal research and pharmaceutical facilities. Animal handling, observation and management time will be provided in the laboratory time as well as during assigned vivarium duty. In addition an exotic animal section has been added to familiarize the students with the care and identification of common exotic species. (Exotics in this case will not include dogs or cats or species commonly found on farms.)

VETS - 4202 Small Animal Nutrition, 2.00 Credits
Prerequisite(s): VETS 1203 with C or better
Level: Lower
This is an introductory course for students accepted in the veterinary technology program, providing identification and function of nutrients, understanding pet food labels, and applications for wellness, life stage, and therapeutic nutrition (prescription food) for dogs and cats. The course will utilize an interactive Internet connection in the classroom.

VETS - 4302 Pharmacology for the Vet Techn, 2.00 Credits
Prerequisite(s): VETS 2013 with C or better or VETS 2104 with C or better
Level: Lower
This course will review and consolidate information on pharmacology that is touched upon in other Veterinary Technology courses and add additional topics in pharmacology to provide the student with a comprehensive and organized overview of veterinary pharmacology.

VETS - 4900 Directed Study, 1.00 TO 4.00 Credits
Level: Lower
A student may contract for one to four credit hours of independent study through an arrangement with an instructor who agrees to direct such a study. The student will submit a plan acceptable to the instructor and to the department chairperson. The instructor and student will confer regularly regarding the process of the study.