### VETS - 1002 Applied Veterinary Med Term, 2.00 Credits
**Level:** Lower  
**Prerequisite(s):** VETS 1203 with C or better and ( VETS 1214 with D or better or ANSC 2114 with C or better )  
This course is designed to give first year students intensive animal handling skills and familiarity with basic procedures such as injections, venipuncture, bandaging, and dosage and fluid therapy calculations. Students will also develop skills to perform proficient physical examination of animals. Common outpatient diagnostic tests used for eye, ear, and skin disease will be mastered. 

### VETS - 1214 Anatomy & Physiology of Animals I, 4.00 Credits
**Level:** Lower  
**Prerequisite(s):** VETS 1214 with D or better and VETS 2014 with C or better  
This course is an organ systems approach to the study of anatomy and physiology using Domestic and Exotic animal species as the primary model. The course will utilize domestic and exotic animal models to relate the normal anatomy and physiology of animals to their function in disease. The course will also prepare the students for surgery and assist in the surgical procedures. Upon course completion, the student will possess an understanding of all procedures done in veterinary medicine.

### VETS - 2014 Anatomy & Physiology of Animals II, 4.00 Credits
**Level:** Lower  
**Prerequisite(s):** VETS 1214 with D or better and VETS 2014 with C or better  
This course is an organ systems approach to the study of anatomy and physiology using Domestic and Exotic animal species as the primary model. The course will utilize domestic and exotic animal models to relate the normal anatomy and physiology of animals to their function in disease. The course will also prepare the students for surgery and assist in the surgical procedures. Upon course completion, the student will possess an understanding of all procedures done in veterinary medicine.

### VETS - 3003 Animal Health Care, 3.00 Credits
**Level:** Lower  
**Prerequisite(s):** VETS 1203 with C or better and ( VETS 1214 with D or better or ANSC 2114 with C or better )  
This course is designed to give first year students intensive animal handling skills and familiarity with basic procedures such as injections, venipuncture, bandaging, and dosage and fluid therapy calculations. Students will also develop skills to perform proficient physical examination of animals. Common outpatient diagnostic tests used for eye, ear, and skin disease will be mastered. 

### VETS - 3004 Anesthesia & Surgical Nursing, 4.00 Credits
**Level:** Lower  
**Prerequisite(s):** VETS 2014 with C or better and VETS 3003 with C or better and VETS 3023 with C or better  
This course is designed to further develop an understanding of domestic animal behavior for students in the Veterinary Technology Program. It will help the student to work as a veterinary technician with a strong understanding of the behavior of animals and the proper techniques for handling them. The course will also prepare the students for surgery and assist in the surgical procedures. Upon course completion, the student will possess an understanding of all procedures done in veterinary medicine.

### VETS - 3003 Animal Health Care, 3.00 Credits
**Level:** Lower  
**Prerequisite(s):** VETS 1203 with C or better and ( VETS 1214 with D or better or ANSC 2114 with C or better )  
This course is designed to give first year students intensive animal handling skills and familiarity with basic procedures such as injections, venipuncture, bandaging, and dosage and fluid therapy calculations. Students will also develop skills to perform proficient physical examination of animals. Common outpatient diagnostic tests used for eye, ear, and skin disease will be mastered. 

### VETS - 3004 Anesthesia & Surgical Nursing, 4.00 Credits
**Level:** Lower  
**Prerequisite(s):** VETS 2014 with C or better and VETS 3003 with C or better and VETS 3023 with C or better  
This course is designed to further develop an understanding of domestic animal behavior for students in the Veterinary Technology Program. It will help the student to work as a veterinary technician with a strong understanding of the behavior of animals and the proper techniques for handling them. The course will also prepare the students for surgery and assist in the surgical procedures. Upon course completion, the student will possess an understanding of all procedures done in veterinary medicine.

### VETS - 3003 Animal Health Care, 3.00 Credits
**Level:** Lower  
**Prerequisite(s):** VETS 1203 with C or better and ( VETS 1214 with D or better or ANSC 2114 with C or better )  
This course is designed to give first year students intensive animal handling skills and familiarity with basic procedures such as injections, venipuncture, bandaging, and dosage and fluid therapy calculations. Students will also develop skills to perform proficient physical examination of animals. Common outpatient diagnostic tests used for eye, ear, and skin disease will be mastered. 

### VETS - 3004 Anesthesia & Surgical Nursing, 4.00 Credits
**Level:** Lower  
**Prerequisite(s):** VETS 2014 with C or better and VETS 3003 with C or better and VETS 3023 with C or better  
This course is designed to further develop an understanding of domestic animal behavior for students in the Veterinary Technology Program. It will help the student to work as a veterinary technician with a strong understanding of the behavior of animals and the proper techniques for handling them. The course will also prepare the students for surgery and assist in the surgical procedures. Upon course completion, the student will possess an understanding of all procedures done in veterinary medicine.
VETS - 3024 Clinical Laboratory Techniques, 4.00 Credits
Prerequisite(s): VETS 2014 with C or better and BIOL 5254 with C or better or VETS 3012 with D or better
Level: Lower
Applied Learning-Field Study, Course Fee $69.00
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 - 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
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.