



SJVC: Veterinary Technology (Degree)				
Course ID	Course Name	Units	Hours	
BIO32	Microbiology	3	45	
VRT101	Anatomy and Physiology of Domestic Animals	5	90	
VRT104	Companion Animal Nursing	5	90	
VRT105	Fundamentals of Animal Nursing	3	45	
VRT205	Laboratory Procedures	5	90	
VRT207	Farm Animal Nursing	3	45	
VRT208	Introduction to Pharmacology	3	45	
VRT300	Beginning Diagnostic Imaging	2	45	
VRT308	Advanced Pharmacology	3	45	
VRT330	Beginning Surgical Assisting	5	90	
VRT340	Advanced Surgical Procedures	5	90	
VRT403	Advanced Diagnostic Imaging	2	45	
VRT406	Exotic and Lab Animals	3	45	
VRT407	Course Review and Essential Skills	2	45	
VRT493	Externship	5	240	
MTH121	College Algebra - Part A	3	45	
MTH122	College Algebra - Part B	3	45	
ENG121	Composition & Reading - Part A	3	45	
ENG122	Composition & Reading - Part B	3	45	
PHIL1C	Ethics	3	45	
SOC1	Intro to Sociology	3	45	
PSY1	General Psychology	3	45	
N/A				
N/A				

SJVC: Veterinary Technology (Certificate)				
Course ID	Course Name	Units	Hours	
BIO32	Microbiology	3	45	
VRT101	Anatomy and Physiology of Domestic Animals	5	90	
VRT104	Companion Animal Nursing	5	90	
VRT105	Fundamentals of Animal Nursing	3	45	
VRT205	Laboratory Procedures	5	90	
N/A				
VRT208	Introduction to Pharmacology	3	45	
VRT300	Beginning Diagnostic Imaging	2	45	
VRT308	Advanced Pharmacology	3	45	
VRT330	Beginning Surgical Assisting	5	90	
VRT340	Advanced Surgical Procedures	5	90	
VRT403	Advanced Diagnostic Imaging	2	45	
N/A				
VRT407	Course Review and Essential Skills	2	45	
VRT493	Externship	5	240	
N/A				
N/A				
N/A				
N/A				
N/A				
N/A				
N/A				
N/A				
N/A				
N/A				
N/A				

SJVC: Veterinary Assisting: 36-Weeks				
Course ID	Course Name	Units	Hours	
VA110	Introduction to Life Sciences	3	45	
VA110	Introduction to Life Sciences	3	45	
VA130	Veterinary Anatomy and Physiology I	3	45	
VA140	Veterinary Anatomy and Physiology II	3	45	
VA100	Introduction to Veterinary Assisting	2	45	
VA120	Animal Nursing	2	45	
VA100	Introduction to Veterinary Assisting	2	45	
VA120	Animal Nursing	2	45	
VA130	Veterinary Anatomy and Physiology I	3	45	
VA160	Veterinary Laboratory Procedures	5	90	
N/A				
VA100	Introduction to Veterinary Assisting	2	45	
VA150	Veterinary Pharmacology	3	45	
VA170	Veterinary Radiology	2	45	
VA150	Veterinary Pharmacology	3	45	
VA180	Veterinary Surgical Assisting	5	90	
VA190	Veterinary Dentistry and Critical Care	2	45	
VA180	Veterinary Surgical Assisting	5	90	
VA190	Veterinary Dentistry and Critical Care	2	45	
VA170	Veterinary Radiology	2	45	
N/A				
N/A				
VA500	Clinical Externship	3	135	
N/A				
N/A				
N/A				
N/A				
N/A				
N/A				
N/A				
VA510	Certification Prep	2	30	
GRS100	Graduate Readiness Seminar	2	30	

**SJVC: Veterinary Assisting (Certificate)**

Course ID	Course Name	Units	Hours
VA100	Introduction to Veterinary Assisting	2	45
VA110	Introduction to Life Sciences	3	45
VA120	Animal Nursing	2	45
VA130	Veterinary Anatomy and Physiology I	3	45
VA140	Veterinary Anatomy and Physiology II	3	45
VA150	Veterinary Pharmacology	3	45
VA160	Veterinary Laboratory Procedures	5	90
VA170	Veterinary Radiology	2	45
VA180	Veterinary Surgical Assisting	5	90
VA190	Veterinary Dentistry and Critical Care	2	45
VA500	Clinical Externship	3	135
VA510	Certification Prep	2	30
GRS100	Graduate Readiness Seminar	2	30

**Carrington College: Veterinary Assisting (Certificate)**

Course ID	Course Name	Units	Hours
VAC 111 T	Introduction to the Veterinary Hospital	3	48
VAC 111 L	Hospital Practices	1.5	48
VAC 113 L	Veterinary Assisting Techniques	1.5	48
VAC 111 T	Introduction to the Veterinary Hospital	3	48
VAC 111 L	Hospital Practices	1.5	48
VAC 113 T	Animal Nursing and Care	3	48
VAC 113 L	Veterinary Assisting Techniques	1.5	48
VAC 111 T	Introduction to the Veterinary Hospital	3	48
VAC 112 T	The Veterinary Laboratory	3	48
VAC 115 T	Pharmacy and Pharmacology Calculations	3	48
VAC 115 L	Pharmacy Practice	1.5	48
VAC 112 T	The Veterinary Laboratory	3	48
VAC 112 L	Laboratory Procedures	1.5	48
VAC 111 L	Hospital Practices	1.5	48
VAC 114 T	Surgical Nursing and Specialty Care	3	48
VAC 114 L	Surgical and Specialty Procedures	1.5	48
VAC 114 T	Surgical Nursing and Specialty Care	3	48
VAC 114 L	Surgical and Specialty Procedures	1.5	48
VAC 180	Veterinary Assisting Externship	4	180
N/A			
CDV 198.2	Career Development Seminar	2	30

**Veterinary Program Information**

Institution	Program	Course Code	Course Title	Weeks	Units	Total Hours	T/L Hours	A/L Hours	E/C Hours	Course Description
SJVC	Veterinary Technology (Degree)	BIO32	Microbiology	5	3	45	45			An introduction to microbiology covering the fundamental aspects of taxonomy, morphology, classification, genetics and reproduction, physiology, nutrition and growth, control, host – parasite relationships, and immunology. Bacteria, fungi, protozoa, viruses and the roles and importance in the biological world will be covered. Basic techniques for culturing, staining, counting, and identifying microorganisms are emphasized in the laboratory.
SJVC	Veterinary Technology (Degree)	VRT101	Anatomy and Physiology of Domestic Animals	10	5	90	60	30		Students will learn biological foundations and scrutinize the comparative anatomy and physiology of selected species of animals. Through lecture and lab demonstrations, emphasis will be placed on the variations in each species. Professional veterinary terminology will be introduced and organ systems and disease will be explored through a dissection project.
SJVC	Veterinary Technology (Degree)	VRT104	Companion Animal Nursing	10	5	90	60	30		This course focuses on infectious and non-infectious diseases of small animals. Students will identify the basic principles of disease transmission, pathology, and prevention. They will distinguish the common disorders of organ systems, and evaluate methods for their prevention and treatment. Students will discuss therapeutic nutrition options and the specialized care and hand-rearing of orphaned domestic small animals.
SJVC	Veterinary Technology (Degree)	VRT105	Fundamentals of Animal Nursing	5	3	45	45			Students will learn the role of the veterinary technician and assistant in various occupational settings. They will discuss the legal and ethical responsibilities, as well as the communication skills needed for an office setting. Identification, behavior, care, and husbandry of domestic species will be studied using proper medical terminology. Students will begin to perform safe animal capture, handling, and restraint techniques as well as essential veterinary nursing skills.
SJVC	Veterinary Technology (Degree)	VRT205	Laboratory Procedures	5	5	90	60	30		This course focuses on demonstrations and laboratory exercises covering routine examinations of blood, urine, feces, and cytology from a variety of species. Normal and abnormal values will be presented and treatment for disorders will be discussed. The use and proper handling of lab equipment and lab samples will be analyzed. Basic microbiological procedures will be discussed and demonstrated.
SJVC	Veterinary Technology (Degree)	VRT207	Farm Animal Nursing	5	3	45	45			In this course, students will explore clinical farm animal care. They will learn to properly restrain, medicate, and care for farm animals (primarily working with ruminants and equine), assisting the veterinarian in a variety of clinical, radiographic, and surgical procedures. Students will be able to describe effective breeding programs, the care of neonatal farm animals, and common farm animal diseases and treatments.
SJVC	Veterinary Technology (Degree)	VRT208	Introduction to Pharmacology	5	3	45	45			This course presents an overview of veterinary pharmaceuticals, formulations and dosage recommendations as they are used for treatment and/or prevention of some of the more common animal diseases. Pharmaceutical interactions on the body are discussed as well as state regulations and federal guidelines in the dispensing of medications. Basic drug dosages will be explained and practiced, and personal drug reference materials will be developed.

**Veterinary Program Information**

Institution	Program	Course Code	Course Title	Weeks	Units	Total Hours	T/L Hours	A/L Hours	E/C Hours	Course Description
SJVC	Veterinary Technology (Degree)	VRT300	Beginning Diagnostic Imaging	5	2	45	15	30		Students will participate in beginning applications and techniques of diagnostic x-ray in the veterinary setting. Current state safety regulations and requirements are discussed, and quality assurance equipment testing is demonstrated. Students will perform proper animal restraint, process films and verify image accuracy. Students will also spend time in this course practicing and demonstrating other veterinary lab skills required before clinical rotation.
SJVC	Veterinary Technology (Degree)	VRT308	Advanced Pharmacology	5	3	45	45			This course emphasizes the chemistry of drugs, their pharmacodynamics and the pharmacokinetics with various species. Blood transfusion, fluid therapy nursing, alternative drug therapies, toxicological crisis situations, behavioral drugs and modification techniques will be studied. In-depth dosage calculation exercises will be performed.
SJVC	Veterinary Technology (Degree)	VRT330	Beginning Surgical Assisting	10	5	90	60	30		In this course students will demonstrate essential Veterinary Technician surgical team skills such as asepsis, sterilization, medical documentation, and surgical patient preparation. Components of an anesthetic machine and their functions, as well as anesthetic and analgesic drug classifications, patient monitoring and endotracheal intubation will be discussed. Students will also apply surgical nursing skills from the beginning to end of the surgical process, completing all documentation, interacting with clients, using aseptic techniques, and practicing sterilization and sanitation of the operating suite.
SJVC	Veterinary Technology (Degree)	VRT340	Advanced Surgical Procedures	10	5	90	60	30		This course focuses on advanced licensure procedures for the Veterinary Technician. These include principles of anesthesia induction, advanced surgical nursing techniques, dental prophylaxis and extractions, suture techniques, bandaging, splinting, emergency and critical care. Basic disaster planning and pet CPR are included. Students will also demonstrate competency of advanced veterinary technician skills with anesthetic induction, suture techniques and dental prophylaxis and extraction techniques. Surgical assistance aptitude, critical care knowledge, and proper emergency response protocols will be performed and assessed.
SJVC	Veterinary Technology (Degree)	VRT403	Advanced Diagnostic Imaging	5	2	45	15	30		This course provides an overview of radiation control regulations and advanced techniques in radiology. Student will produce quality radiographs and perform various restraint techniques, including special positioning for orthopedics, thoracic and abdominal films. Contrast studies, dental x-rays, ultrasound, CT, MRI, and basic endoscopy will be discussed. Students will also continue to practice other lab skills when not producing radiographs.
SJVC	Veterinary Technology (Degree)	VRT406	Exotic and Lab Animals	5	3	45	45			In this course students will learn to care for lab and exotic pet animals such as rodents, rabbits, birds, reptiles, amphibians and other various species. They will study basic care, handling and restraint, nail trims, and physical exams. Students will practice basic venipuncture techniques and administration of medications on these various species.
SJVC	Veterinary Technology (Degree)	VRT407	Course Review and Essential Skills	5	2	45	15	30		In this course students will apply the knowledge gained throughout the program to preparation for the licensure exam and career. Students will practice answering exam questions as well as have hands-on lab time to solidify essential skills. Students will also reflect on how to prevent test anxiety and practice test preparation techniques.

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Institution	Program	Course Code	Course Title	Weeks	Units	Total Hours	T/L Hours	A/L Hours	E/C Hours	Course Description
SJVC	Veterinary Technology (Degree)	VRT493	Externship	15	5	240			240	This course provides continued work experience in a clinical setting under direct supervision of a veterinarian or RVT associated with the college. Hours and sites will be arranged by the student and approved by the veterinary faculty. Students will submit a completed supervisor evaluation, based on job tasks performed in the practice.
SJVC	Veterinary Technology (Degree)	MTH121	College Algebra - Part A	5	3	45	45			
SJVC	Veterinary Technology (Degree)	MTH122	College Algebra - Part B	5	3	45	45			
SJVC	Veterinary Technology (Degree)	ENG121	Composition & Reading - Part A	5	3	45	45			
SJVC	Veterinary Technology (Degree)	ENG122	Composition & Reading - Part B	5	3	45	45			
SJVC	Veterinary Technology (Degree)	PHIL1C	Ethics	5	3	45	45			
SJVC	Veterinary Technology (Degree)	SOC1	Intro to Sociology	5	3	45	45			
SJVC	Veterinary Technology (Degree)	PSY1	General Psychology	5	3	45	45			
SJVC	Veterinary Technology (Certificate)	BIO32	Microbiology	5	3	45	45			An introduction to microbiology covering the fundamental aspects of taxonomy, morphology, classification, genetics and reproduction, physiology, nutrition and growth, control, host – parasite relationships, and immunology. Bacteria, fungi, protozoa, viruses and the roles and importance in the biological world will be covered. Basic techniques for culturing, staining, counting, and identifying microorganisms are emphasized in the laboratory.
SJVC	Veterinary Technology (Certificate)	VRT101	Anatomy and Physiology of Domestic Animals	10	5	90	60	30		Students will learn biological foundations and scrutinize the comparative anatomy and physiology of selected species of animals. Through lecture and lab demonstrations, emphasis will be placed on the variations in each species. Professional veterinary terminology will be introduced and organ systems and disease will be explored through a dissection project.
SJVC	Veterinary Technology (Certificate)	VRT104	Companion Animal Nursing	10	5	90	60	30		This course focuses on infectious and non-infectious diseases of small animals. Students will identify the basic principles of disease transmission, pathology, and prevention. They will distinguish the common disorders of organ systems, and evaluate methods for their prevention and treatment. Students will discuss therapeutic nutrition options and the specialized care and hand-rearing of orphaned domestic small animals.
SJVC	Veterinary Technology (Certificate)	VRT105	Fundamentals of Animal Nursing	5	3	45	45			Students will learn the role of the veterinary technician and assistant in various occupational settings. They will discuss the legal and ethical responsibilities, as well as the communication skills needed for an office setting. Identification, behavior, care, and husbandry of domestic species will be studied using proper medical terminology. Students will begin to perform safe animal capture, handling, and restraint techniques as well as essential veterinary nursing skills.
SJVC	Veterinary Technology (Certificate)	VRT205	Laboratory Procedures	5	5	90	60	30		This course focuses on demonstrations and laboratory exercises covering routine examinations of blood, urine, feces, and cytology from a variety of species. Normal and abnormal values will be presented and treatment for disorders will be discussed. The use and proper handling of lab equipment and lab samples will be analyzed. Basic microbiological procedures will be discussed and demonstrated.

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Institution	Program	Course Code	Course Title	Weeks	Units	Total Hours	T/L Hours	A/L Hours	E/C Hours	Course Description
SJVC	Veterinary Technology (Certificate)	VRT208	Introduction to Pharmacology	5	3	45	45			This course presents an overview of veterinary pharmaceuticals, formulations and dosage recommendations as they are used for treatment and/or prevention of some of the more common animal diseases. Pharmaceutical interactions on the body are discussed as well as state regulations and federal guidelines in the dispensing of medications. Basic drug dosages will be explained and practiced, and personal drug reference materials will be developed.
SJVC	Veterinary Technology (Certificate)	VRT300	Beginning Diagnostic Imaging	5	2	45	15	30		Students will participate in beginning applications and techniques of diagnostic x-ray in the veterinary setting. Current state safety regulations and requirements are discussed, and quality assurance equipment testing is demonstrated. Students will perform proper animal restraint, process films and verify image accuracy. Students will also spend time in this course practicing and demonstrating other veterinary lab skills required before clinical rotation.
SJVC	Veterinary Technology (Certificate)	VRT308	Advanced Pharmacology	5	3	45	45			This course emphasizes the chemistry of drugs, their pharmacodynamics and the pharmacokinetics with various species. Blood transfusion, fluid therapy nursing, alternative drug therapies, toxicological crisis situations, behavioral drugs and modification techniques will be studied. In-depth dosage calculation exercises will be performed.
SJVC	Veterinary Technology (Certificate)	VRT330	Beginning Surgical Assisting	10	5	90	60	30		In this course students will demonstrate essential Veterinary Technician surgical team skills such as asepsis, sterilization, medical documentation, and surgical patient preparation. Components of an anesthetic machine and their functions, as well as anesthetic and analgesic drug classifications, patient monitoring and endotracheal intubation will be discussed. Students will also apply surgical nursing skills from the beginning to end of the surgical process, completing all documentation, interacting with clients, using aseptic techniques, and practicing sterilization and sanitation of the operating suite.
SJVC	Veterinary Technology (Certificate)	VRT340	Advanced Surgical Procedures	10	5	90	60	30		This course focuses on advanced licensure procedures for the Veterinary Technician. These include principles of anesthesia induction, advanced surgical nursing techniques, dental prophylaxis and extractions, suture techniques, bandaging, splinting, emergency and critical care. Basic disaster planning and pet CPR are included. Students will also demonstrate competency of advanced veterinary technician skills with anesthetic induction, suture techniques and dental prophylaxis and extraction techniques. Surgical assistance aptitude, critical care knowledge, and proper emergency response protocols will be performed and assessed.
SJVC	Veterinary Technology (Certificate)	VRT403	Advanced Diagnostic Imaging	5	2	45	15	30		This course provides an overview of radiation control regulations and advanced techniques in radiology. Student will produce quality radiographs and perform various restraint techniques, including special positioning for orthopedics, thoracic and abdominal films. Contrast studies, dental x-rays, ultrasound, CT, MRI, and basic endoscopy will be discussed. Students will also continue to practice other lab skills when not producing radiographs.
SJVC	Veterinary Technology (Certificate)	VRT407	Course Review and Essential Skills	5	2	45	15	30		In this course students will apply the knowledge gained throughout the program to preparation for the licensure exam and career. Students will practice answering exam questions as well as have hands-on lab time to solidify essential skills. Students will also reflect on how to prevent test anxiety and practice test preparation techniques.

**Veterinary Program Information**

Institution	Program	Course Code	Course Title	Weeks	Units	Total Hours	T/L Hours	A/L Hours	E/C Hours	Course Description
SJVC	Veterinary Technology (Certificate)	VRT493	Externship	15	5	240			240	This course provides continued work experience in a clinical setting under direct supervision of a veterinarian or RVT associated with the college. Hours and sites will be arranged by the student and approved by the veterinary faculty. Students will submit a completed supervisor evaluation, based on job tasks performed in the practice.
SJVC	Veterinary Assisting (Certificate)	VA100	Introduction to Veterinary Assisting	5	2	45	30	15		Students will learn the role of the veterinary technician and assistant in various occupational settings. They will explain the legal and ethical responsibilities, as well as the communication and math skills needed for a veterinary setting. Students will differentiate basic husbandry practices and perform safe animal capture, handling, and restraint techniques. Disinfection and infection control procedures will also be covered.
SJVC	Veterinary Assisting (Certificate)	VA110	Introduction to Life Sciences	5	3	45	45			This course emphasizes the scientific method and how it is applied to the veterinary field. Students will be introduced to basic principles of biology, microbiology, and chemistry. Additional topics include disease etiology, animal homeostasis, and relating the principles of chemistry to biological processes.
SJVC	Veterinary Assisting (Certificate)	VA120	Animal Nursing	5	2	45	30	15		This course focuses on infectious and non-infectious diseases of animals, including zoonotic diseases. Students will identify the basic principles of disease transmission, pathology, and prevention. The fundamentals of immunology will be introduced and discussed. Students will practice essential veterinary nursing skills.
SJVC	Veterinary Assisting (Certificate)	VA130	Veterinary Anatomy and Physiology I	5	3	45	45			The course examines the foundational principles of the skeletal, muscular, lymphatic, immune, integumentary, nervous, and special senses body systems of various animal species. The course emphasizes the effective use of medical terminology through the study of the principles of word construction, elements, abbreviations, and symbols with emphasis on spelling and pronunciation.
SJVC	Veterinary Assisting (Certificate)	VA140	Veterinary Anatomy and Physiology II	5	3	45	45			The course examines the foundational principles of the digestive, urinary, endocrine, reproductive, respiratory, and cardiovascular body systems of various animal species. The course emphasizes the effective use of medical terminology through the study of the principles of word construction, elements, abbreviations, and symbols with emphasis on spelling and pronunciation.
SJVC	Veterinary Assisting (Certificate)	VA150	Veterinary Pharmacology	5	3	45	45			This course will provide a basic understanding of veterinary pharmaceuticals: their pharmacodynamics, pharmacokinetics and common use. Students will identify and explain pharmaceutical classes and identify controlled substances. Students will also perform pharmacological math calculations.
SJVC	Veterinary Assisting (Certificate)	VA160	Veterinary Laboratory Procedures	5	5	90	60	30		This course focuses on demonstrations and laboratory exercises covering routine examinations of blood, urine, feces, and cytology from a variety of species. Normal and abnormal values will be presented and treatment for disorders will be discussed. The proper use and handling of lab equipment will be demonstrated and lab samples will be analyzed. Basic microbiological procedures will be discussed and demonstrated.



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Institution	Program	Course Code	Course Title	Weeks	Units	Total Hours	T/L Hours	A/L Hours	E/C Hours	Course Description
SJVC	Veterinary Assisting (Certificate)	VA170	Veterinary Radiology	5	2	45	30	15		This course focuses on the fundamentals of veterinary radiology. Students will demonstrate equipment quality assurance, perform proper animal positioning and digital radiograph acquisition, and evaluate image quality. The use of contrast studies, ultrasound, CT, MRI and basic endoscopy will be discussed. Students will follow current state radiology safety regulations and requirements.
SJVC	Veterinary Assisting (Certificate)	VA180	Veterinary Surgical Assisting	10	5	90	60	30		In this course students will demonstrate essential veterinary surgical assisting skills such as patient prep, aseptic technique, care of instruments, and medical documentation. Students will perform patient prep, patient assessments and monitor anesthesia. Students will be familiar with common anesthetic monitoring equipment, anesthetic protocols and proper documentation.
SJVC	Veterinary Assisting (Certificate)	VA190	Veterinary Dentistry and Critical Care	5	2	45	30	15		This course focuses on dentistry, emergency and critical care. Dental prophylaxis and radiographs will be performed with an emphasis on client education regarding dental preventative and post-procedure care. Students will discuss and perform proper emergency response protocols and analyze emergency and critical care situations. The proper techniques required to place a bandage, cast, and splint on animals will be performed in this course.
SJVC	Veterinary Assisting (Certificate)	VA500	Clinical Externship	5	3	135			135	This course provides work experience in a clinical setting under the direct supervision of a veterinarian or RVT. The teaching/learning facility will provide appropriate supervision and evaluation of student performance under the direction of the Externship Coordinator; students will submit a completed supervisor evaluation based on job tasks performed in the practice and weekly time cards. The grade earned in this course is Pass/Fail. Passing this course is a graduation requirement.
SJVC	Veterinary Assisting (Certificate)	VA510	Certification Prep	6	2	30	30			In this course students will assess their performance and application of acquired skills and knowledge. They will learn skills to prepare for the Registered Veterinary Technician (RVT) licensure and practice professional behavior.
SJVC	Veterinary Assisting (Certificate)	GRS100	Graduate Readiness Seminar	6	2	30	30			In this course, students demonstrate the integration of their academic learning into their professional and personal lives. Students will use their self-awareness to model professional behavior, written and oral communication skills, and cultural competence by presenting program learning to an inter-professional audience. The grade earned in this course is Pass/Fail.
Pierce College	Veterinary Technology (Degree)	ANML SC 180	Animal Care Experience		1	1	1			Veterinary science students will learn important aspects of animal care through theoretical and hands on learning. Areas of study will include sanitation, housing, nutrition, restraint, and environmental enrichment for livestock, lab animals and companion animals.
Pierce College	Veterinary Technology (Degree)	ANML SC 181A	Field Work		1	3	3			Students gain supervised job experience at a learning station related to their occupational goals. Students perform various jobs that may include working at a veterinary clinic, equine facility, animal research facility and/or production farming enterprise. Student must be employed at an 'approved' Vendor Contracted location
Pierce College	Veterinary Technology (Degree)	ANML SC 401	Orientation to Veterinary Science		1	1	1			This class directs student exploration of veterinary medicine as a career choice, including education, job tasks, and employment options. Other key topics include an orientation into Los Angeles Pierce College veterinary science programs and an introduction to medical terminology.

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Pierce College	Veterinary Technology (Degree)	ANML SC 501	Principles of Animal Science		3	3	3			Students will learn a broad perspective of livestock management problems and decisions that must be made in livestock production. Covers the following class of livestock: beef cattle, dairy cattle, sheep, goats, swine, horses, poultry, llamas, rabbits and ostriches. Topics include breeds, feeding, reproduction, animal welfare and other management activities. Course is designed for the pre-veterinary, registered veterinary technician, equine science and general animal science student.
Pierce College	Veterinary Technology (Degree)	ANML SC 510	Animal Health and Disease Control		3	3	3			Students learn the physiology of animals and how it relates to animal health. It will also include common animal diseases, their causes, prevention and control, the treatment of wounds and the relation of sanitation to disease prevention
Pierce College	Veterinary Technology (Degree)	ANML SC 511	Anatomy and Physiology of Animals		3	3	3			Students learn the structural aspects and the normal functions of the principal systems of the various farm and companion animals. This course includes comparative anatomy and physiology as well as a basic study of the facts and principles of animal life
Pierce College	Veterinary Technology (Degree)	ANML SC 512	Anatomy and Physiology of Animals Laboratory		1	3		3		Students will gain practical experience discovering principles and structures associated with the anatomy and physiology of animals. Microscope work and dissection of the cat are included.
Pierce College	Veterinary Technology (Degree)	BIOLOGY 3	Introduction to Biology		4	6	3	3		Students engage in a comprehensive study of the major principles of biology. Topics such as cell structure and physiology, bioenergetics, development, genetics, basic ecology, population biology and evolution are emphasized. This course meets the general education laboratory experience requirement. This course is not intended for life science, biology, or pre-professional (medical, dental) majors
Pierce College	Veterinary Technology (Degree)	CHEM 51	Fundamentals of Chemistry I		5	7	3	4		This course offers a basic introduction to concepts in general chemistry with an overview of organic chemistry. It is designed for those students whose interests are in nursing, animal health technology, home economics, physical therapy, elementary education and for liberal arts students in need of a laboratory course in physical science. It is not intended for students planning to take Chemistry 101.
Pierce College	Veterinary Technology (Degree)	MICRO 20	General Microbiology		4	6	3	3		This course introduces students to bacteria, viruses, fungi, protozoa, and multicellular parasites, and includes examination of microbial morphology, metabolism, genetics, and the roles of microorganisms in infectious diseases. This course also includes immunology and methods of controlling microorganisms. The labs include microscopy, aseptic technique, cultivation, isolation and identification of bacteria, and control of bacterial populations. This course is recommended for pre-nursing and allied health students who need a 4 unit course with 3 hours of lab per week.
Pierce College	Veterinary Technology (Degree)	ANML SC 410	Animal Nursing I		2	2	2			Students will study on the nursing care of small animals. Representative diseases from each system will be highlighted with an emphasis on the RVT's role in caring for patients with these diseases. Wellness protocols for dogs and cats will also be addressed, with an emphasis on vaccine programs.
Pierce College	Veterinary Technology (Degree)	ANML SC 411	Animal Nursing I Laboratory		1	2		2		This course introduces students to specific skills involved with small animal nursing and provides opportunities to practice these skills under direct supervision in an academic environment. Areas of study include administering vaccinations, injection techniques, performing diagnostic tests and obtaining laboratory samples.

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Institution	Program	Course Code	Course Title	Weeks	Units	Total Hours	T/L Hours	A/L Hours	E/C Hours	Course Description
Pierce College	Veterinary Technology (Degree)	ANML SC 412	Animal Nursing II		2	2	2			Students will study on three main areas of study: nursing care for emergency and critical patients, pharmacology, and an introduction to the nursing care of birds and reptiles.
Pierce College	Veterinary Technology (Degree)	ANML SC 413	Animal Nursing II Laboratory		1	2		2		This course expands upon the skills and knowledge developed in Small Animal Nursing I Laboratory. Areas of study include emergency medicine, pharmacology skills and companion exotic animal clinical techniques.
Pierce College	Veterinary Technology (Degree)	ANML SC 420	Clinical Procedures in Animal Care I		2	2	2			Students are introduced to the theoretical knowledge of anesthesia, surgical assisting and dental procedures as it relates to the role of the veterinary technician.
Pierce College	Veterinary Technology (Degree)	ANML SC 421	Clinical Procedures in Animal Care I Laboratory		1	3		3		Students prepare to perform anesthetic, surgical assisting and dental procedures on dogs and cats relevant to veterinary technology under the supervision of a veterinarian. Students are provided hands-on experience and practice opportunities for these skills.
Pierce College	Veterinary Technology (Degree)	ANML SC 422	Clinical Procedures in Animal Care II		2	2	2			This course is designed to prepare the advanced veterinary technology student for practice in a small animal veterinary hospital, especially in the areas of anesthesiology and surgery. Students will examine pharmacology of anesthetic agents, how to troubleshoot during general anesthesia and intervene in emergency situations. They will also investigate the veterinary technicians role in the operatory as a member of the surgical team. The identification of pain, it's pharmacological and non-pharmacological management are explored in-depth.
Pierce College	Veterinary Technology (Degree)	ANML SC 423	Clinical Procedures in Animal Care II Laboratory		1	2		2		Students gain practical experience in anesthesia, surgical preparation and assisting through participation with on-site surgical procedures on dogs and cats. Students are assigned to perform 18 hours of animal care.
Pierce College	Veterinary Technology (Degree)	ANML SC 430	Veterinary Clinical Pathology		2	2	2			In this course, students are introduced to modern and practical methods in veterinary clinical laboratory analysis. Blood, urine, feces and skin scrapings tests with emphasis on small animal species are examined.
Pierce College	Veterinary Technology (Degree)	ANML SC 431	Veterinary Clinical Pathology Laboratory		1	2		2		Students engage in practical experience in performing various clinical analysis examinations and procedures.
Pierce College	Veterinary Technology (Degree)	ANML SC 435	Veterinary Radiography		2	2	2			Students learn and understand the radiological terms, safety, and techniques needed by veterinary technicians to provide the veterinarian with diagnostic quality x-rays.
Pierce College	Veterinary Technology (Degree)	ANML SC 436	Veterinary Radiography Laboratory		1	2		2		Veterinary technology students acquire hands-on practice in safely taking diagnostic quality x-rays of animals.
Pierce College	Veterinary Technology (Degree)	ANML SC 441	Large Animal Nursing Laboratory		2	4		4		Students engage in hands-on practical experience in performing procedures and husbandry practices common to large and laboratory animal species. Extensive practice in handling and restraint is provided.
Pierce College	Veterinary Technology (Degree)	ANML SC 470	Laboratory Animal Care		3	4	2	2		Students participate in an introduction to laboratory animal care and husbandry. Topics include care and restraint of rabbits, guinea pigs, rodents and other small lab animals. Laboratory regulations and career opportunities will also be addressed.

**Veterinary Program Information**

Institution	Program	Course Code	Course Title	Weeks	Units	Total Hours	T/L Hours	A/L Hours	E/C Hours	Course Description
Pierce College	Veterinary Technology (Degree)	ANML SC 480	Clinical Experience for Veterinary Technicians I		3	3	3			This course integrates extensive class work and outside clinical work in a veterinary setting. Non-technical topics such as grief counseling, laws and ethics, practice management, and the human - animal bond are explored. Students expand their acquisition of medical terminology and review for the California State Board Exam. During the clinical component of the class students will participate in a variety of clinical experiences encompassing multiple aspects of veterinary technology. Successful completion of this course requires a minimum of 163.5 hours working at a veterinary clinic. The lecture component of this course requires 3 hours per week of class time.
Pierce College	Veterinary Technology (Degree)	ANML SC 481	Clinical Experience for Veterinary Technicians II		3	3	3			This course integrates extensive class work and outside clinical work in a veterinary setting and provides the student with a comprehensive review for the Veterinary Technician National Exam. During the clinical component of the class students will participate in a variety of clinical experiences encompassing multiple aspects of veterinary technology. Successful completion of this course requires a minimum of 120 hours working at a veterinary clinic. The lecture component of this course requires 3 hours per week of class time. Class time is devoted to board exam review, case studies and impromptu discussions.
Pierce College	Veterinary Technology (Degree)	LACCD GE	LACCD General Education Plan		21	0				
Carrington College	Veterinary Assisting (Certificate)	VAC 111 T	Introduction to the Veterinary Hospital		3	48	48			This course covers anatomy and physiology of the muscular system, skeletal system, cardiovascular system and blood, lymph and immunity. The student will study microbiology, parasitology and zoonotic diseases, in addition to identification and administration of associated vaccines. Related medical vocabulary and terminology are covered. Principles and practices of radiography are discussed. A study of abbreviations, acronyms and symbols is included. In addition, the student will learn about and practice veterinary front office procedures, safety procedures and hospital sanitation
Carrington College	Veterinary Assisting (Certificate)	VAC 111 L	Hospital Practices		1.5	48		48		This course uses hands on methods for students to explore animal body systems and basic hospital procedures. Students will practice taking patient histories and performing physical examinations, injections related to vaccinations, radiography safety and positioning, parasitology and microbiology
Carrington College	Veterinary Assisting (Certificate)	VAC 112 T	The Veterinary Laboratory		3	48	48			This course covers anatomy and physiology of the renal, urinary, reproductive and endocrine systems and the related medical vocabulary and terminology. Students will learn laboratory techniques including urinalysis, hematology, serology and cytology. A study of abbreviations, acronyms and symbols is included
Carrington College	Veterinary Assisting (Certificate)	VAC 112 L	Laboratory Procedures		1.5	48		48		This course allows students hands on practice preparing cytology slides, examining various cytological samples, performing blood chemistries, PCV's and differentials, urinalysis and dissection/necropsy, along with preparing samples for submission
Carrington College	Veterinary Assisting (Certificate)	VAC 113 T	Animal Nursing and Care		3	48	48			This course introduces basic concepts pertaining to the integumentary system, nervous system and special senses. Also covered is anatomy and physiology for avian and exotic species. Basic nursing practices will be covered that include animal behavior, breed identification, handling and restraint for canine, feline, large animal and equine species

**Veterinary Program Information**

Institution	Program	Course Code	Course Title	Weeks	Units	Total Hours	T/L Hours	A/L Hours	E/C Hours	Course Description
Carrington College	Veterinary Assisting (Certificate)	VAC 113 L	Veterinary Assisting Techniques		1.5	48		48		In this course, students gain hands-on experience with skin assessment and treatments, handling and restraint procedures, large animal, equine, small mammal and exotic-species procedures
Carrington College	Veterinary Assisting (Certificate)	VAC 114 T	Surgical Nursing and Specialty Care		3	48	48			This course introduces students to practical skills essential to the veterinary assistant. The course includes surgical nursing, cardiopulmonary cerebral resuscitation (CPCR) and other emergency procedures, digestive system including dental care and nutrition and the respiratory system
Carrington College	Veterinary Assisting (Certificate)	VAC 114 L	Surgical and Specialty Procedures		1.5	48		48		This course uses hands on practice for students to gain technical skills in surgical assisting techniques, cardiopulmonary cerebral resuscitation (CPCR), dental care, nutrition and fecal analysis
Carrington College	Veterinary Assisting (Certificate)	VAC 115 T	Pharmacy and Pharmacology Calculations		3	48	48			This course introduces students to pharmacology, medical math, inventory and client communication.
Carrington College	Veterinary Assisting (Certificate)	VAC 115 L	Pharmacy Practice		1.5	48		48		This course uses hands-on practice to understand and fill prescriptions, calculate dosages for in-patient treatments and medication administered at home and dispensing medications to clients
Carrington College	Veterinary Assisting (Certificate)	CDV 198.2	Career Development Seminar		2	30	30			In this course, students assess personal strengths and identify areas of opportunity using specific selfassessment and goal-setting tools as they prepare for professional employment. In addition, they develop resume writing skills, create cover letters, participate in mock interviews and apply research, evaluation and networking skills to execute job searches and enhance their general financial awareness. This is an online course at all campuses except for Portland where it is campus-based. Prerequisite: Successful completion of all technical coursework.
Carrington College	Veterinary Assisting (Certificate)	VAC 180	Veterinary Assisting Externship		4	180			180	The externship provides students with field experience and the opportunity to practice the skills they have learned, under direct supervision, in an actual work environment
Carrington College	Veterinary Technology (Degree)	VT 5	Introduction to the Veterinary Hospital		3.5	55	55			Students are introduced to the veterinary technician's responsibilities and scope of practice. Veterinary technology law and ethics are discussed, as are client relations and record keeping. Students receive instruction in animal handling, behavior, zoonotic diseases, hazardous materials and occupational safety, preventive health strategies including physical exams, the human-animal bond and breed identification along with breed traits.
Carrington College	Veterinary Technology (Degree)	VT 6	Introduction to the Basic Sciences		4.5	68	68			This course provides students with a foundation in chemistry and biology. The fundamentals of matter, cellular and molecular biology, body systems taxonomy, the body plan, genetics, microbiology and immunology are covered.
Carrington College	Veterinary Technology (Degree)	VT 9A	Veterinary Medical Terminology1		0.5	7.5	7.5			Students in this course learn medical vocabulary used in the veterinary setting. Introductory terminology including word derivations and formations are discussed, as are pharmaceutical abbreviations, anatomical and directional terms and words related to the various species, basic sciences and orientation to the veterinary hospital.
Carrington College	Veterinary Technology (Degree)	VT 15A	Clinical Procedures Lab1		0.5	30		30		Lab exercises provide students with theory and practice in animal handling, physical examinations, blood collection techniques, microbiological procedures, administration of oral and parenteral medication, common laboratory procedures, use of microscopes and standard hospital protocols.

**Veterinary Program Information**

Institution	Program	Course Code	Course Title	Weeks	Units	Total Hours	T/L Hours	A/L Hours	E/C Hours	Course Description
Carrington College	Veterinary Technology (Degree)	VT 99A	Clinical Rotation 1		0.5	44			44	The clinical rotation exposes students to clinical settings at which they care for animals. Documentation of clinical experiences helps improve students' written communication skills and powers of observation.
Carrington College	Veterinary Technology (Degree)	VT 8	Introduction to the Applied Sciences		3.5	80	55	25		This course introduces radiology, histology, pathology, parasitology, clinical pathology and pharmacology as they are applied in the field of veterinary technology. A dissection is performed to incorporate material covered throughout the term.
Carrington College	Veterinary Technology (Degree)	VT 9B	Veterinary Medical Terminology 2		0.5	7.5	7.5			This course, a continuation of VT 9A, introduces terms used in radiology, histology, pathology, clinical pathology, parasitology and pharmacology. Terms related to the skeletal, muscular, hematopoietic, cardiovascular and respiratory systems are also studied.
Carrington College	Veterinary Technology (Degree)	VT 15B	Clinical Procedures Lab 2		0.5	30		30		Lab exercises provide students with theory and practice in radiography, pharmacy, parasitology, hematology, histology, clinical pathology, electrocardiography and anatomy of the skeletal, muscular, cardiovascular and respiratory systems
Carrington College	Veterinary Technology (Degree)	VT 16A	Body Systems 1		4	66	66			This course introduces students to the skeletal, hematopoietic, cardiovascular and respiratory systems. These systems are discussed in terms of their microscopic and macroscopic anatomy, physiology, pathology and pharmacology
Carrington College	Veterinary Technology (Degree)	VT 99B	Clinical Rotation 2		0.5	44			44	In this continuation of VT99A, students complete a program at a veterinary hospital caring for animals. Documentation of clinical experiences is aimed at enhancing their written communication skills and powers of observation
Carrington College	Veterinary Technology (Degree)	VT 16B	Body Systems 2		5	83	83			This course, a continuation of VT16A, provides an overview of the gastrointestinal, integumentary, urinary and nervous systems. The basics of clinical pathology, dentistry, wound management and nutrition is also presented
Carrington College	Veterinary Technology (Degree)	VT 17	Introduction to Anesthesia and Surgical Assisting		2	30	30			This course provides an overview of roles and responsibilities of nurse anesthetists and surgical technicians. Students are given instruction in anesthetic pharmacology, principles of aseptic surgery, surgical instrumentation and the perioperative care of the surgical patient. Prerequisite: VT16A Co-requisite: Enrollment in VT 16B
Carrington College	Veterinary Technology (Degree)	VT 15C	Clinical Procedures Lab 3		0.5	30		30		Lab exercises provide students with theory and practice in anesthesia, surgical assisting, sutures and suturing, fluid therapy, radiography, dentistry, bandages and splints and anatomy of the urinary and gastrointestinal systems.
Carrington College	Veterinary Technology (Degree)	VT 9C	Veterinary Medical Terminology 3		0.5	7.5	7.5			This course is a continuation of VT 9B. Students learn about terms related to the urinary, nervous, gastrointestinal and integumentary systems as well as those used in dentistry, nutrition, anesthesia, surgical assisting, sutures and suturing, fluid therapy and wound treatment.
Carrington College	Veterinary Technology (Degree)	VT 99C	Clinical Rotation 3		0.5	44			44	This course, the third in the rotation series, places students in veterinary hospital settings to care for animals. Qualified students are assigned rotations in specialty sites such as emergency clinics and veterinary dentistry, surgery, internal medicine and large animal medical facilities.
Carrington College	Veterinary Technology (Degree)	VT 16C	Body Systems 3		2	30	30			In this third body systems course, students are introduced to the reproductive and endocrine systems and the special senses

**Veterinary Program Information**

Institution	Program	Course Code	Course Title	Weeks	Units	Total Hours	T/L Hours	A/L Hours	E/C Hours	Course Description
Carrington College	Veterinary Technology (Degree)	VT 18	Surgical Nursing Theory and Practice		3	98	25	73		Students receive instruction and gain practice in surgical instrumentation and instrument care, surgical pack preparation and autoclaving, surgical suite preparation, scrubbing, gowning and gloving, placing intravenous catheters and administering parenteral fluids, inducing, monitoring and maintaining anesthesia, dental prophylaxis and providing perioperative patient care.
Carrington College	Veterinary Technology (Degree)	VT 9D	Veterinary Medical Terminology 4		0.5	7.5	7.5			This course, the last in the series of terminology courses, introduces terms related to the reproductive and endocrine systems and the special senses. Terminology used in anesthesiology, surgery, equine and ruminant medicine, avian and reptile medicine, small mammal medicine, emergency medicine, critical care and practice management is also covered.
Carrington College	Veterinary Technology (Degree)	VT 19	Selected Topics in Veterinary Technology		3.5	73	50	23		This course introduces students to special aspects of veterinary medicine, including emergency care of the critically ill patient, large animal medicine and surgery, avian, reptile and small mammal medicine and veterinary practice management
Carrington College	Veterinary Technology (Degree)	VT 99D	Clinical Rotation 4		0.5	44			44	In this final rotation course, students care for animals in veterinary hospital settings. Documentation of clinical experiences is aimed at enhancing their written communication skills and powers of observation. Qualified students are assigned rotations in specialty sites such as emergency clinics and veterinary dentistry, surgery, internal medicine and large animal medical facilities.
Carrington College	Veterinary Technology (Degree)	VT 100	Vet Tech Externship		4	200			200	This externship course offers field experience in an actual work environment, providing an opportunity for students to practice, under direct supervision of a clinical instructor, skills they have learned. Types of facilities for externship might include hospitals, longterm care, private practice or other veterinary facilities. Student hours are tracked on a weekly time sheet that is submitted to the campus at the end of each week. Prerequisite: Completion of all coursework and a 2.0
Carrington College	Veterinary Technology (Degree)	VT 102	State Board RVT Licensing Exam Review		2	30	15	15		This course helps students prepare for state and national registered veterinary technology (RVT) credentialing exams by identifying knowledge deficits and implementing strategies for enhancing knowledge in a self-directed learning environment. The exam review course may be taken prior to, concurrently with or after the externship. Prerequisite: Completion of all core courses leading to the externship.
Carrington College	Veterinary Technology (Degree)	ENG 101	English Writing and Composition		3	45	45			This course strengthens reading and writing skills of students entering the writing sequence and enrolling in other standard Carrington courses. An integrated approach links reading with writing and addresses basic matters as they arise from assignments. This is an online course
Carrington College	Veterinary Technology (Degree)	MAT 101	Principles of Mathematics		3	45	45			This course provides students with critical elements of algebra for linear equations and polynomials. Starting with a foundation of real numbers, the course presents the addition and multiplication rules of solving linear equations.
Carrington College	Veterinary Technology (Degree)	MAT 151	College Algebra		3	45	45			This course provides students with the analytical skills necessary to solve a variety of basic algebra problems, focusing on factoring skills and using technology to solve problems. The course includes graphing of linear equations. Students apply their skills to a variety of problems to see the real world nature of algebra. This is an online course.

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Institution	Program	Course Code	Course Title	Weeks	Units	Total Hours	T/L Hours	A/L Hours	E/C Hours	Course Description
Carrington College	Veterinary Technology (Degree)	HUM 200	Ethics in Contemporary Society		3	45	45			This course examines the problems of ethics and the nature of ethical decisions and solutions. Emphasis is placed on the application of ethical theory and contemporary social issues. Moral issues such as abortion, euthanasia, discrimination and animal rights are addressed. Where appropriate, career-specific issues are examined. This course is equivalent to the prior version course code PHIL2
Carrington College	Veterinary Technology (Degree)	PSY 101	Introduction to Psychology		3	45	45			This course provides a foundation for understanding, predicting and directing behavior. Organized within a frame-work encompassing foundations, general topics and applications, the course provides an understanding of how psychological principles and concepts relate to professional and personal life. Topics include learning, attitude formation, personality, social influence, dynamics of communication, conflict resolution, motivation, leadership and group roles and processes. This is an online course.
Carrington College	Veterinary Technology (Degree)	SPH 205	Interpersonal Communication		3	45	45			This course involves practical communication skills useful for communicating in personal life as well as in working relationships. Topic areas include listening, nonverbal communication, assertiveness, selfawareness, intercultural communication and conflict resolution. This is an online course
College of Sequoias	Veterinary Assisting (Skill Certificate)	VT109	Intro to Veterinary Technology		3	4	2.5	1.5		An introductory course for students interested in the field of veterinary technology. Designed to give students hands-on experience with domesticated farm and laboratory animals.
College of Sequoias	Veterinary Assisting (Skill Certificate)	VT118	Comparative Anatomy/Physiology		4	6	3	3		This course is designed to emphasize animal structures and functions that apply to procedures commonly employed in the practice of veterinary medicine. Students will perform dissections on a variety of animal preparations to further illustrate the similarities and differences in structures.
College of Sequoias	Veterinary Assisting (Skill Certificate)	VT120	Parasitology		3	4	2.5	1.5		This course will cover the types, life cycles, diagnosis and control of parasites that infect and infest animals. Both internal and external parasites will be covered.
College of Sequoias	Veterinary Assisting (Skill Certificate)	VT121	Large Animal Diseases		3	5	2	3		This course will cover the role of Veterinary Assistant/Livestock Technician as an aid to the veterinarian in the diagnosis and treatment of infectious and non-infectious disease of large domesticated animals. Additionally, the study of common livestock diseases and fundamentals of immunity in promoting animal health and the foundation of disease control programs will be covered.
College of Sequoias	Veterinary Assisting (Skill Certificate)	VT216	Veterinary Office Practices		2	2	2			This course is designed to teach the skills that are necessary to operate the veterinary business office. Client communications, routine vaccinations, and preventative medicine procedures will be covered.
Modesto Junior College	Veterinary Technician (Certificate)	ANSC 250	Veterinary Physiology, Anatomy, & Terminology		3	54	54			Commonly used terminology and biological concepts used in veterinary medicine. Includes study of basic normal anatomy and physiology in a body systems format, along with related vocabulary and spelling. Commonly used veterinary acronyms and abbreviations are woven throughout the course where relevant. Field trips are not required. Not repeatable. (A-F Only) Transfer: (CSU)
Modesto Junior College	Veterinary Technician (Certificate)	ANSC 251	Veterinary Pharmacy Procedures		2	36	36			Includes discussion of veterinary pharmacology, proper labeling and dispensing instructions with emphasis on pharmaceutical calculations and metric conversions within the veterinary discipline. Field trips are not required. Not repeatable. (A-F or P/ NP) Transfer: (CSU)



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Institution	Program	Course Code	Course Title	Weeks	Units	Total Hours	T/L Hours	A/L Hours	E/C Hours	Course Description
Modesto Junior College	Veterinary Technician (Certificate)	ANSC 252	Veterinary Equipment: Operation Instrumentation and Safety		3	54	54			Introduction to diagnostic imaging equipment used in veterinary practices. Safe operation of radiographic equipment. Use of ultrasound equipment. Use of gas anesthesia equipment - safety and proper procedure. Field trips are required. Not repeatable. (A-F or P/NP) Transfer: (CSU)
Modesto Junior College	Veterinary Technician (Certificate)	ANSC 253	Veterinary Laboratory Procedures		1	18	18			Introduction to manual and automated veterinary lab techniques and procedures, including work with blood, urine, fecal and skin samples. Field trips are not required. Not repeatable. (A-F or P/NP) Transfer: (CSU)
Modesto Junior College	Veterinary Technician (Certificate)	ANSC 254	Veterinary Medical Office Procedures		2	36	36			This course covers customer service, medical communication skills, office organization, scheduling, emergency recognition and management, stress management, preventative health programs, and medical record-keeping. Field trips might be required. Not repeatable. (A-F Only) Transfer: (CSU)
Modesto Junior College	Veterinary Technician (Certificate)	ANSC 255	Preparation for Veterinary Surgical and Dental Assistance		3	54	54			Veterinary Technician preparation for surgery, surgery assistance, surgical and dental instruments and packs, anesthesia induction, monitoring and anesthetic machine maintenance, anatomy of the mouth and dental arcade, dental prophylaxis and extractions. Field trips are not required. Not repeatable. (A-F Only) Transfer: (CSU)
Modesto Junior College	Veterinary Technician (Certificate)	ANSC 256	Veterinary Assistance & Nursing: Emergency Procedures		1	18	18			Emphasis on emergency procedures, monitoring vital signs, taking steps to stabilize patients. Basic nutritional requirements for pets, species requirements, nutritional disorders, feeding methods. Basic animal behavior, detecting signs of stress and identifying causes of behavioral problems. Field trips are not required. Not repeatable. (A-F Only) Transfer: (CSU)
Modesto Junior College	Veterinary Technician (Certificate)	ANSC 257	Veterinary Assistance & Nursing: Animal Handling		2	36	36			Basic veterinary restraint methods and nursing procedures in small animal medicine, administration of medication, catheterization, vaccination techniques, bandaging and performing minor medical procedures. Field trips might be required. Not repeatable. (A-F Only) Transfer: (CSU)
Pima Community College	Veterinary Practice Assistant (Certificate)	VET106	Veterinary Practice Assistant I		3	4	2	2		Introduction to the basic skills needed to assist veterinary professionals in the quality care of animals. Includes animal restraint, nursing, vaccinations and other basic assisting skills.
Pima Community College	Veterinary Practice Assistant (Certificate)	VET107	Veterinary Practice Assistant II		3	4	2	2		Continuation of VET 106. Build on the foundation skills of veterinary clinical care in VET 106. Includes foundations in pharmacy order fulfillment, supportive roles in surgical environment, care of surgical equipment, and the assistant's role in obtaining samples and submitting them for diagnostic results. Also includes an introduction to veterinary imaging and restraint techniques needed related to imaging.
Pima Community College	Veterinary Practice Assistant (Certificate)	VET108	Introduction to Veterinary Facilities Practices		6	6	6			Introduction into the role of the veterinary practice assistant in the veterinary medicine profession. Includes careers and career paths, legal applications, ethical responsibilities, professional attitudes, medical terminology, and occupational safety issues. Also includes standard office procedures with an emphasis in client relations and education and computer skills, breed identification of domestic animals, behavioral characteristics of animals, human-animal bonding, and dealing with pet loss.
Yuba College	Veterinary Assisting (Certificate)	VETT 5	Internship		2	0				



Row Labels	Sum of Units	Sum of Total Hours	Sum of T/L Hours	Sum of A/L Hours	Sum of E/C Hours
<b>Carrington College</b>	<b>89</b>	<b>2069</b>	<b>1047</b>	<b>466</b>	<b>556</b>
Veterinary Assisting (Certificate)	28.5	690	270	240	180
Veterinary Technology (Degree)	60.5	1379	777	226	376
<b>College of Sequoias</b>	<b>15</b>	<b>21</b>	<b>12</b>	<b>9</b>	
Veterinary Assisting (Skill Certificate)	15	21	12	9	
<b>Modesto Junior College</b>	<b>17</b>	<b>306</b>	<b>306</b>		
Veterinary Technician (Certificate)	17	306	306		
<b>Pierce College</b>	<b>76</b>	<b>75</b>	<b>43</b>	<b>32</b>	
Veterinary Technology (Degree)	76	75	43	32	
<b>Pima Community College</b>	<b>12</b>	<b>14</b>	<b>10</b>	<b>4</b>	
Veterinary Practice Assistant (Certificate)	12	14	10	4	
<b>Pima Medical Institute</b>	<b>30</b>	<b>720</b>	<b>295</b>	<b>185</b>	<b>240</b>
Veterinary Assisting (Certificate)	30	720	295	185	240
<b>SJVC</b>	<b>160</b>	<b>3150</b>	<b>1935</b>	<b>600</b>	<b>615</b>
Veterinary Assisting (Certificate)	37	735	480	120	135
Veterinary Technology (Certificate)	48	1005	525	240	240
Veterinary Technology (Degree)	75	1410	930	240	240
<b>Yuba College</b>	<b>17</b>	<b>0</b>			
Veterinary Assisting (Certificate)	17	0			
<b>Grand Total</b>	<b>416</b>	<b>6355</b>	<b>3648</b>	<b>1296</b>	<b>1411</b>