

# Veterinary Technology

This program is offered at **Fresno**.

## Program Description

This 65-school-week specialized program is designed to prepare the student to perform all aspects of veterinary patient care. Graduates will possess the skills, knowledge, and confidence to be able to assist in surgery, provide basic pet care and handling, identify common animal diseases and disorders, administer medication and treatments, take and develop radiographs, as well as perform various laboratory procedures. Students will also practice the communication, patient education, and organizational skills needed to work effectively in the clinical setting. Students will work primarily with small animal (dog and cat) procedures; large animal and exotic animal care are also included in the program.

SJVC's Veterinary Technology program holds provisional accreditation by the American Veterinary Medical Association (AVMA). Graduates will be able to work as a Veterinary Assistant and qualifying students are eligible to sit for the Registered Veterinary Technician (RVT) exam for state licensure immediately upon graduation.

## Program Student Learning Outcomes

Upon completion of this program, the graduate will be able to:

1. Perform the duties pertaining to veterinary clinic reception, bookkeeping, office management, and general computer skills.
2. Perform the various duties of a veterinary assistant, such as venipuncture, administering of injections, placing of IV catheters, intubation, and the monitoring of anesthesia in a surgical setting.
3. Perform dental prophylaxis, with capability to instruct and demonstrate in-home dental care, providing detailed explanation for future recommendations.
4. Apply the concepts of animal husbandry, common diseases, signs, treatment, and prevention of disease to the Veterinary Technician profession.
5. Perform and apply laboratory procedures, as well as radiographic film processing regarded as diagnostic contributions in animal health care.
6. Demonstrate confidence in the execution of exam room protocols, such as proper pet restraining techniques, the obtaining of vitals, accurate recording of patient history and client communication within the examination process.
7. Relate and apply concepts of communication, reasoning, critical analysis, ethical behavior and appropriate interpersonal interaction to situations in his or her career and personal life.
8. Demonstrate the social skills, professional appearance, attitudes and behavior that employers expect of all *SJVC* graduates.

The following courses are required to obtain a degree in this field.

Course ID	Course Name	Credit Units
BIO 3	Introduction to General Biology	3.0
ENG 121	Reading and Composition – Part A	3.0
ENG 122	Reading and Composition – Part B	3.0
MTH 121	College Algebra – Part A	3.0
MTH 122	College Algebra – Part B	3.0
PHIL 1C	Ethics	3.0
PSY 1	General Psychology	3.0
SOC 1	Introduction to Sociology	3.0
VRT 101	Anatomy and Physiology of Domestic Animals	5.0
VRT 102	Fundamentals of Animal Nursing	5.0
VRT 205	Laboratory Procedures	5.0
VRT 206	Companion Animal Nursing	3.0
VRT 207	Farm Animal Nursing	3.0
VRT 208	Introduction to Pharmacology	3.0
VRT 300	Beginning Diagnostic Imaging	2.0
VRT 301	Beginning Surgical Assisting A	3.0
VRT 306	Beginning Surgical Assisting B	2.0
VRT 308	Advanced Pharmacology	3.0



VRT 310	Advanced Surgical Procedures A	3.0
VRT 320	Advanced Surgical Procedures B	2.0
VRT 390	Veterinary Clinical Rotation	1.0
VRT 403	Advanced Diagnostic Imaging Applications	2.0
VRT 406	Exotic and Lab Animals	3.0
VRT 407	Course Review and Essential Skills	2.0
VRT 490	Externship A	4.0
VRT 491	Externship B	1.0
<b>AS Degree Program Total</b>		<b>76.0</b>

For a description of the courses listed above, please see Section 8.

**Program Graduation Requirements:** Student must earn a grade of "C" or higher in all VRT courses.

*In addition to course work, students must complete a Career Services Seminar (CSS 100), facilitated by the Career Services Department, during their last 20 weeks to be eligible for graduation.*



### **AERO 36: Propellers and Engine Auxiliary Systems**

**9.0 units – 256 hours**

This course will focus on the inspection, troubleshooting, overhaul, and repair techniques of carburetors, engine fuel metering systems and components. Engine fire detection and extinguishing systems, propellers and propeller control systems, and engine auxiliary systems are also covered. **A grade of "C" or better is required for completion of the course.**

### **AERO 37: Aircraft Landing Gear**

**9.0 units – 256 hours**

This course will cover the inspection, troubleshooting and repair of landing gear retraction systems, including shock struts, wheels, brakes, and tires. Topics include: checking and servicing of fuel management and dump systems, inspection and repair of aircraft auxiliary systems, including ice and rain control, smoke and carbon monoxide warning systems, and fire detection and extinguishing systems and landing gear. **A grade of "C" or better is required for completion of the course.**

### **AERO 51: Professional Licensing Seminar**

**2.0 units – 96 hours**

The focus of this course is the review and practical application of the AMT license examination. Students will prepare for both the written and practical examinations. The course also covers a review of the professional opportunities for the AMT graduate. **A grade of "C" or better is required for completion of the course.**

### **AMA 33: Medical Insurance**

**3.0 units – 45 hours**

This course presents a comprehensive look at medical insurance billing requirements and skills necessary to successfully file claims and effect collection of payment for medical services given.

### **AMA 223: Medical Office Management & Computer**

#### **Applications**

**5.0 units - 90 hours**

In this course, students will learn the skills necessary to manage the front office of a health care facility. They will learn to manage Electronic Health Records (EHR) and basic procedures for processing fee-for-service, insurance and coding procedures for various insurance and HMO applications. Students will demonstrate patient and appointment management, telephone procedures, as well as the operation of software used to run the modern medical office facility. Keyboarding skills are a part of each class session.

### **APMT 1: Anatomy and Physiology with Medical**

#### **Terminology**

**5.0 units – 90 hours**

This course provides an overview of medical terminology including basic word construction, abbreviations and symbols used in the profession. An extensive study of the human body includes basic chemistry, organization, cells, tissues, membranes and human diseases. Emphasis is placed on the integumentary, skeletal, muscular, nervous, sensory, endocrine, circulatory, lymphatic, respiratory, digestive, urinary, and reproductive systems. **A grade of "C" or better is required for completion of the course.**

### **BA 210: Business Writing**

**2.0 units – 45 hours**

This course focuses on the effective writing techniques utilized in business to produce various communications and documents, including business letters, minutes and reports, and dictation and note taking are the emphasis of this course. The keeping of minutes and transcription of dictated material into usable business communication will be practiced throughout the course. Specialized business terminology (legal, banking, insurance and real estate) will be reviewed. Proper grammar, punctuation, capitalization, vocabulary, proofreading, and number usage are emphasized as well as form and content. Importance is placed on style, appearance, tone, vocabulary and reader appeal. This course involves research and report writing projects. The importance of oral communication in business is also covered.

### **BCS 101: Basic Computer Skills**

**5.0 units – 90 hours**

The course is designed to provide the student with an introduction to the components of the Microsoft Office Suite. Emphasis of the class will be Microsoft Word, Microsoft Excel, and PowerPoint. Students will be tested for skill competency on a regular basis. Keyboarding skills are part of each class session. Students will participate in timed keyboarding skill tests.

### **BIO 3: Introduction to General Biology**

**3.0 units – 45 hours**

The introduction to general biology is designed to provide a basic foundation. The course will focus on the study of cell structure, function, and genetics. Evolution of life forms from bacteria to advanced species and principles of chemistry with an emphasis on the structure and function of biological molecules will also be covered. **A grade of "C" or better is required for completion of the course.**

### **BIO 24: Human Anatomy and Physiology**

**4.0 units – 75 hours**

This course provides an introduction to the structure and function of the major organs, essential structures, and physiological principles of the human body with emphasis on primary organ systems to students in health majors. Integration of multi-organ functions and relevant terminology will be included.

### **BIO 31: Microbiology**

**4.0 units – 75 hours**

This course provides 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, and viruses and their roles and importance in the biological world will be covered. Basic techniques for culturing, staining, counting and identifying microorganisms are emphasized in the laboratory.

and task based performance objectives. **A grade of "C" or better is required for completion of the course.**

### **DMS 260: Clinical Practicum II**

**10.0 units – 480 hours**

This course is designed as a more advanced continuation of Clinical Practicum I. The student will continue to perfect scanning skills in the clinical environment and to learn more advanced imaging techniques, protocols, and procedures required of the sonographer. The student will gain more experience in performing various ultrasound images of the patient undergoing abdominal, small parts, gynecological, obstetric, or vascular ultrasound examinations. The student will be assessed on supervised clinical practice and completion of clinical assignments and task based performance objectives. **A grade of "C" or better is required for completion of the course.**

### **DMS 300: ARDMS Certifying Examination Review**

**1.0 unit – 20 hours**

This course covers the application process and content specific outlines information for the ARDMS Sonography Principles and Instrumentation examination, the Abdominal and Small Parts specialty examination, and the Obstetrics and Gynecology specialty examination. Registry examination preparation techniques and strategies for achievement of successful examination outcomes are included. Administration of mock examinations will enable the student to identify specific strengths and weaknesses in subject matter in order to self-correct and improve performance on the ARDMS examinations. Guidance and direction toward additional registry preparation tools and resources are provided. The grade earned in this course is Pass/Fail. **A grade of "C" or better is required for completion of the course.**

### **EC 100: Basic Electricity Theory and Applications**

**5.0 units – 90 hours**

This course introduces, discusses and applies electron flow theory, magnetism, electrical generation and power distribution, conductors, insulators, fuses, DC and AC electricity and circuits, motors and motor circuits, air conditioning and refrigerating system components and circuits.

### **EC 200: Intermediate Electricity 1**

**5.0 units – 90 hours**

This course identifies and discusses the control devices used in refrigeration and air conditioning systems, practice of electrical drafting skills, interpretation of pictorial and ladder writing diagrams, and problem analysis, using various diagnostic techniques for domestic and light commercial ventilation, refrigeration, and air conditioning systems.

### **EC 302: Intermediate Electricity 2**

**3.0 units – 45 hours**

This course applies pictorial and schematic wiring diagrams, interpretation and various techniques for problem analysis and troubleshooting of domestic and light commercial refrigeration and air conditioning circuits.

### **EC 400: Advanced Electricity**

**2.0 units – 45 hours**

This course applies pictorial and schematic wiring diagrams interpretation, problem analysis, and the application of the, "Hop-Scotch" diagnostic technique for commercial refrigeration and air conditioning systems. This course also prepares students for the EPA Section 608, Technician's Certification Examination.

### **ECON 1: Economics**

**3.0 units – 45 hours**

This course provides a general introduction and overview of economics and the role economics plays in society today. Topics in the course include taxes, the roles of supply and demand, elasticity, productivity, GDP, unemployment, competitive pricing, and the role of money in the economy. Students will discuss the impact these topics have on our economy and society. Students will understand and illustrate how each person's daily decisions affect the economy.

### **ENG 121: Composition and Reading – Part A**

**3.0 units – 45 hours**

This is the first in a 2-part college level English course. In this course, students will learn the foundation of critically reading and writing in a variety of rhetorical modes. Students will read various essays and literature, and apply critical analysis to their own writing. Students will practice all aspects of the writing process, and by the end of Part B, they will meet a goal of writing a minimum of 6000 words through a variety of assignments.

### **ENG 122: Composition and Reading – Part B**

**3.0 units – 45 hours**

This course is the second portion of our college level English course. By building on the skills learned in Part A, students will continue to critically read and write in a variety of rhetorical modes. Students will read various essays and literature, and apply critical analysis to their own writing. In this course they will build information literacy skills through research, and describe the connection between effective communication and professionalism. Students will complete their goal of writing a minimum of 6000 words.

### **ESSM 2: Health Care Security and Safety Administration**

**2.0 units – 45 hours**

This course covers the International Association for Healthcare Security and Safety curriculum and safety training for security officers. Topics include: public and community customer relations, self-protection and defense, report preparation and writing, judicial process, courtroom procedures, testimony, criminal and civil law, fire safety and emergency preparedness, hazardous materials and emergency response, and techniques for effective assault management.

### **ESSM 10: Industrial Safety**

**5.0 units – 90 hours**

The fundamentals of safety planning and management in industrial settings are covered in this course. Students will identify common safety hazards and discuss the causes of accidents in the workplace. They will prepare to conduct safety inspections and employee trainings, write various safety plans and keep accurate Occupational Safety and Health Administration (OSHA) records. Students will earn

strokes, stretches, exercises and recommendations as instructed during supervision.

Supervisors discreetly monitor students throughout the progress of their treating and are available at any time for regular conferences regarding treatment preparations, recommendations, documentation of treatments, the use of specific points and techniques, the progress of the individual client, or difficult situations that may arise. Students keep accurate records, participate in administrative duties and receive feedback from their supervisors in addition to written evaluations completed by the clients at the end of client-pathology series.

At the end of the term students will submit a clinic term paper based on each of their clinic-pathology case studies during Massage Therapy Clinic II.

### **MTH 121: College Algebra – Part A**

**3.0 units – 45 hours**

This course integrates technology with mathematics through the use of online learning resources, and covers the fundamentals and terminology of algebra. Topics include real numbers, complex numbers, order of operations, ratios/proportions, single and multiple step linear equations and inequalities, use of formulas, algebraic expressions, polynomials, systems of equations, graphing and quadratic equations. Students will utilize the metric and U.S. standard systems, and scientific notation. The fundamentals and terminology of Geometry, including geometric shapes and the Pythagorean Theorem, will be provided. This course offers hands-on applications that allow students to relate to and to apply concepts to their field of study.

### **MTH 122: College Algebra – Part B**

**3.0 units – 45 hours**

This course integrates technology with mathematics through the use of online learning resources, and covers the fundamentals and terminology of algebra. Topics include use of formulas, algebraic expressions, polynomials, systems of equations, exponential and logarithmic expressions and quadratic equations. Students will utilize rational and radical expressions, conics and functions. This course offers hands-on applications that allow students to relate to and to apply concepts to their field of study.

### **NSC 1: Introduction to the Natural Sciences**

**3.0 units – 45 hours**

This course presents an overview of the basic concepts of the natural sciences, emphasizing biology, chemistry, physical, earth and space science. These concepts are taught both as a technical foundation and from a historical perspective. The subject matter is integrated into lecture discussions covering the environment, ecology, and the relevance of natural science to human affairs. Subjects discussed include current and relevant social, scientific and economic issues. Special projects and activities may be required.

### **PAS 101: Anatomy and Physiology 1**

**2.0 units – 60 hours**

This course focuses on the structure and function of the human body with emphasis on the HEENT, cardiovascular, pulmonary, gastrointestinal, and genitourinary systems. This course is designed

to provide the student with an examination of the anatomical structure and function of the human body through virtual cadaver dissection and lecture. **A grade of "C" or better is required for completion of the course.**

### **PAS 102: Adult Medicine 1**

**8.0 units – 108 hours**

The student is exposed to the systematic approach to the theory of clinical medicine including the pathophysiology of human disease, illness and injury. Topics include dermatology, ophthalmology, otolaryngology, cardiovascular, respiratory, gastrointestinal, genitourinary, and health promotion disease prevention. **A grade of "C" or better is required for completion of the course.**

### **PAS 103: History and Physical Assessment 1**

**4.0 units – 116 hours**

The student is exposed to clinical gathering skills, how to elicit and write a medical history, introduction to physical examination using the problem oriented medical record and patient simulation. Emphasis will be placed on a normal history and physical exam, which correlate with the organ systems, covered in the PAS 102 Adult Medical 1 course. **A grade of "C" or better is required for completion of the course.**

### **PAS 104: Diagnostic Studies 1**

**1.0 unit – 24 hours**

The student will learn basic clinical skills applicable to interpretation and theory of body fluids/tissues analysis, electrocardiographs and pulmonary tests necessary to arrive at a preliminary diagnosis. Topics include clinical biochemistry; hematology; urinalysis; principles of electrocardiology; interpretation of 12 lead EKG and rhythm strips; basic principles and interpretation of arterial blood gases. **A grade of "C" or better is required for completion of the course.**

### **PAS 105: Pharmacology 1**

**2.0 units – 32 hours**

The student is introduced to the basic principles of pharmacology including pharmacokinetics, drug actions, drug interaction and drug toxicities involved in the clinical use of drugs. Emphasis will be placed on the physiological and biochemical actions, absorption, distributions, metabolism, excretions and therapeutic use of drugs, which correlate with the organ systems and diseases covered in the PAS 102 Adult Medicine 1 course. **A grade of "C" or better is required for completion of the course.**

### **PAS 107: Pathophysiology 1**

**2.0 units – 60 hours**

The course exposes the student to the pathophysiology of common disease processes in man for the following organ systems: integument, special senses, and pulmonary, cardiovascular, gastrointestinal, and genitourinary systems. **A grade of "C" or better is required for completion of the course.**

### **PAS 201: Adult Medicine 2**

**8.0 units – 108 hours**

The student is exposed to the systematic approach to the theory of clinical medicine including the pathophysiology of human disease, illness and injury. Topics include Endocrinology, Rheumatology,

Physician Assistant's role in health care delivery systems, and professional development. **A grade of "C" or better is required for completion of the course.**

#### **PAS 402: Clinical Rotation 1**

**14.0 units – 560 hours**

Students are assigned to four week clinical rotations in one of the following specialties: Family Medicine, Internal Medicine, Pediatrics, Women's Health, Emergency Medicine/Occupational Medicine/Urgent Care, Geriatrics, General Surgery and Psychiatry. Students are assigned patients for medical history, physical examination, diagnostic testing and patient education, management and supportive involvement in major and minor surgical procedures. When applicable, students attend daily grand rounds, attending physician's seminars and additional continuing medical education. Students are required to return to campus once a week for didactic lectures on Community resources, Nutrition, give case presentations and testing. **A grade of "C" or better is required for completion of the course.**

#### **PAS 500: Introduction to Research and Medical Literature Review**

**1.0 unit – 16 hours**

This course will expose the student to the medical literature as an exercise into scientific inquiry. The course will focus on the application of methods utilized in defining clinical problems and analysis and application of the information presented. The skills gained through this course will also develop the student's ability in the use of evidence-based medicine during their clinical practice. **A grade of "C" or better is required for completion of the course.**

#### **PAS 502: Clinical Rotation 2**

**14.0 units – 560 hours**

Students are exposed to continuation of clinical experiences described in PAS 402. Students are assigned to four week clinical rotations in one of the following specialties: Family Medicine, Internal Medicine, Pediatrics, Women's Health, Emergency Medicine, Geriatrics, General Surgery and Psychiatry. Students are assigned patients for medical history, physical examination, diagnostic testing and patient education, management and, supportive involvement in major and minor surgical procedures. When applicable, students attend daily grand rounds, attending physician's seminars and additional continuing medical education. Students are required to return to campus once a week for lectures on Evidence-Based Medicine, give case presentations and testing. **A grade of "C" or better is required for completion of the course.**

#### **PAS 602: Preceptorship**

**15.0 units – 576 hours**

Students are assigned to a sixteen-week outpatient primary care clinical experience. Under supervision, students participate in patient care experiences including: taking a medical history, physical examination, diagnostic testing, patient education, management and referral. Students are required to return to campus once a week for additional didactic lectures, presentations and testing. **A grade of "C" or better is required for completion of the course.**

#### **PHAR 21: Pharmacology**

**2.0 units – 30 hours**

This course will study the drugs administered to treat pulmonary disease. It will also include other classifications of drugs that have an effect on cardiopulmonary status. Areas will include drug calculations, indications, classification, proper dosage, modes of administration, the physiological actions of pharmacokinetics, pharmacodynamics, and pharmacogenetics, side effects, precautions, hazards, therapeutic effects and patient monitoring. **A grade of "C" or better is required for completion of the course.**

#### **PHIL 1C: Ethics**

**3.0 units – 45 hours**

**This course provides an introduction to the ethical problems and issues in modern society. Students will discuss current events related to ethical issues and participate in group discussions.**

#### **PHR 15: Pharmacy Science and Applications 2**

**5.0 units – 90 hours**

This course emphasizes the theory of anatomy, physiology, pathophysiology, and related pharmacology of the urinary, circulatory, and respiratory systems. Lab applications involving drug information retrieval and prescription processing serve to reinforce theory of pharmacological effects and mechanisms of action of urinary, circulatory, and respiratory system agents. Preparation for CPR and First Aid certification is an integral component of this course. Also presented in this course are procedures for the generation and maintenance of accurate pharmacy records, insurance claims and the use of pharmacy reference materials. Computerized pharmacy systems are utilized. Emphasis is placed on the importance of diligence in documentation and related issues of potential liability. Employment Services Seminar in this course includes an overview of the role of the pharmacy technician in the professional environment, employment opportunities and National Certification. **A grade of "C" or better is required for completion of the course.**

#### **PHR 20: Pharmacy Law and Ethics**

**3.0 units – 45 hours**

This course presents an overview of the history of the pharmacy as well as the duties and responsibilities of a pharmacist and the State and Federal laws governing pharmacy practice, standards and regulations. This course includes HIPAA (Health Insurance Portability and Accountability Act) statutes, regulations, and preparation for certification. Current ethical issues in pharmacology will be discussed. **A grade of "C" or better is required for completion of the course.**

#### **PHR 25: Pharmacy Records & Documentation**

**3.0 units – 45 hours**

This course focuses on enhancing the skills to properly interpret, fill and label prescription orders. An emphasis of this course is to train students to properly maintain and document pharmacy records. Students will be introduced to the duties of inventory control in a pharmacy practice and explore legal parameters of dispensing medications. **A grade of "C" or better is required for completion of the course.**

**PSY 1: General Psychology****3.0 units – 45 hours**

This course covers the study of human behavior, moral development, and psychological theory as it applies to the individual, group and community. Behavioral disorders and treatment; social perceptions; emotions and motivation, social influence and group processes are topics included in this course.

**RF 100: Basic Refrigeration Theory and Applications****5.0 units – 90 hours**

This course introduces, discusses, and practices the physical laws of matter, heat, transfer, gas laws and equations, pressure and temperature conversions, refrigerants and refrigerant recovery-recycle-reclaim methods and equipment. The refrigeration cycle, basic refrigerating systems and applications, codes, installation, safety practices, and EPA information are topics covered in this course.

**RF 200: Intermediate Refrigeration 1****2.0 units – 45 hours**

This course discusses and applies the principles of theory and fundamentals to problem analysis and diagnostics for residential, light commercial, and commercial refrigeration systems. Students will practice the basics of brazing.

**RF 302: Intermediate Refrigeration 2****5.0 units – 90 hours**

This course discusses and applies the principles of theory and fundamentals to problem analysis, diagnostics, and repair of small commercial refrigeration systems.

**RF 400: Advanced Refrigeration****2.0 units – 45 hours**

This course applies the principles of theory and fundamentals to problem analysis and diagnostics for light commercial refrigeration systems. Students will describe typical commercial refrigeration problems and the possible factors that make the problems occur. Both self-contained and remote refrigeration systems are analyzed under proper performance and typical running conditions and compared to systems with air-flow problems, undercharge conditions, overcharge conditions and box temperature controls (both pressure and temperature) along with system safety switches and flow controls. In addition, this course prepares students for the HVAC-R industry certification.

**RN 10: Foundations of Nursing Theory****3.0 units – 45 hours**

This course is an introduction of the foundation of nursing theory and concepts to promote and maintain safe, effective health care with culturally diverse patients. Students will integrate the professional nursing roles of clinician, teacher, leader, and advocate while demonstrating critical thinking and utilizing the nursing process in the promotion of health and the foundational care of client response to physiological and psychosocial health conditions of the adult client. **A grade of "C" or better is required for completion of the course.**

**RN 10L: Foundations of Nursing Clinical****3.0 units – 135 hours**

This course consists of Skills Lab and Clinical hours that apply the theory concepts of RN 10. Selected psychomotor skills associated with the activities of daily living will be studied and practiced. Clinical site rotations include patient care units within skilled nursing agencies. **A grade of "C" or better is required for completion of the course.**

**RN 11: Introduction to Medical Surgical Theory****3.0 units – 45 hours**

Introduction to concepts and practices as they relate to the non-critical young adult through geriatric adult in the medical-surgical environment. Through utilization of the nursing process, the student will begin to recognize alterations in functioning or illness and formulate age-appropriate nursing interventions. Selected psychomotor skills associated with the basic needs, medication administration and intravenous therapy will be studied and practiced. Introduction to Medical-Surgical Nursing 1 introduces the first year nursing student to concepts and practices as they relate to the adult patient in the Medical-Surgical environment. **A grade of "C" or better is required for completion of the course.**

**RN 11L: Introduction to Medical Surgical Clinical****3.0 units – 135 hours**

This course consists of Skills Lab and Clinical hours that apply the theory concepts of RN11. Students will integrate the concepts and practices of health and wellness to care of the young adult through geriatric adult in the medical-surgical environment. Through utilization of the nursing process, the student will begin to recognize alterations in functioning or illness and formulate age-appropriate nursing interventions. Selected psychomotor skills associated with the basic needs and medication administration will be studied and practiced. Clinical site rotations include medical surgical units within acute care agencies. **A grade of "C" or better is required for completion of the course.**

**RN 12: Nursing Seminar 1: Pathophysiology****2.0 units – 30 hours**

This course introduces the student to pathophysiology and disruptions in the normal body functioning. Assessment findings, diagnostic testing, and interventions for specific health problems are discussed. **A grade of "C" or better is required for completion of the course.**

**RN 20: Maternal Child Nursing Theory****2.0 units – 30 hours**

This course will prepare the nursing student with the knowledge of current trends and the basic theoretical foundation of antepartum, intrapartum, postpartum, and newborn care and management. **A grade of "C" or better is required for completion of the course.**

**RN 20L: Maternal Child Nursing Clinical****2.0 units – 90 hours**

This course will prepare the nursing student to apply the nursing process, collaborate with multidisciplinary teams, and provide effective communication and safe nursing care for the maternal/child

### **SOC 1: Introduction to Sociology**

**3.0 units – 45 hours**

This course includes a survey of social structure and theory, and their implications for individuals in a dynamic environment. Cultures, family, organizations, groups, ethnic and political influences and politics are topics covered.

### **SOC 125: Diversity in the Workplace**

**3.0 units – 45 hours**

This course looks at the realities of working in a diverse environment. It also provides the tools that can be used by managers and employees to recognize and value differences. Students will examine stereotypical thinking, behaviors, attitudes, and how stereotypical thinking can impact the workplace, breakdown communication, and create obstacles to effective teamwork. Legal implications will also be studied.

### **SPC 1A: Introduction to Public Speaking**

**3.0 units – 45 hours**

The theory and techniques of public speaking will be addressed in this course. Emphasis on the logical organization and composition of informative and persuasive speeches and practice in clearly stating and developing ideas will be covered. Techniques and tools for confidence building and reducing anxiety are also included in this course.

### **STC 3: Clinical Experience 1**

**5.0 units – 225 hours**

Under direct supervision, at the assigned clinical site, the student will perform nonsterile and sterile surgical case management duties. Assignments may include the sterile processing department, preoperative holding area, surgery department, and the postanesthesia care unit. The clinical sites are located within a 60-mile radius of the campus. **A grade of "C" or better is required for completion of the course.**

### **STC 4: Clinical Experience 2**

**7.0 units – 315 hours**

Under direct supervision, at the assigned clinical site, the student will perform nonsterile and sterile surgical case management duties. The student must participate in a minimum of 120 select surgical cases. The clinical sites are located within a 60-mile radius of the campus. **A grade of "C" or better is required for completion of the course.**

### **STL 1: Surgical Case Management Lab**

**2 units – 45 hours**

In this course students will practice the basic skills related to the principles of asepsis and the practice of sterile technique. The three phases of surgical case management are learned in the simulated operating room. Corresponds with STT 12: Surgical Case Management. **A grade of "C" or better is required for completion of the course.**

### **STL 2: Basic Surgical Procedures Lab**

**2 units – 45 hours**

Building on the basic skills learned in STL 1, students will assimilate surgical case management into regular practice and carry out mock

surgical procedures in the simulated operating room. **A grade of "C" or better is required for completion of the course.**

### **STT 11: Introduction to Surgical Technology**

**5 units – 90 hours**

This course covers development of medicine, surgery, and the field of surgical technology. Related professional practice issues are discussed. Patient care concepts, pharmacology, anesthesia, information technology, electricity, robotics, all-hazards preparation, and microbiology will also be studied. **A grade of "C" or better is required for completion of the course.**

### **STT 12: Surgical Case Management**

**3 units – 45 hours**

Orientation to the surgical environment includes introduction of the roles of the surgical team members, attire, furniture, instrumentation, equipment, and supplies. The principles of asepsis and the practice of sterile technique are introduced. Fundamental elements of the three phases of surgical case management are presented. Basic Life Support for Healthcare Providers (CPR) is included. **A grade of "C" or better is required for completion of the course.**

### **STT 22: Basic Surgical Procedures**

**9 units – 150 hours**

This course introduces noninvasive and invasive diagnostic procedures as well as basic surgical interventions for the following: general, obstetric and gynecologic, endoscopic, otorhinolaryngologic, genitourinary, trauma, and orthopedic. **A grade of "C" or better is required for completion of the course.**

### **STT 33: Advanced Surgical Procedures**

**7 units – 120 hours**

This course encompasses an in-depth study of relevant surgical anatomy, physiology, pathophysiology, and diagnostic interventions as well as factors unique to the following advanced procedure areas: ophthalmic, oral and maxillofacial, plastic and reconstructive, oncologic, cardiothoracic, peripheral vascular, neurosurgical, and pediatric. **A grade of "C" or better is required for completion of the course.**

### **STT 44: Professional Development**

**6 units – 90 hours**

Professional development and employability skills including resume writing and interview techniques are mastered. A comprehensive study of information learned throughout the program is provided in preparation for the National Certification Examination offered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA). **A grade of "C" or better is required for completion of the course.**

### **VN 9: Anatomy and Physiology for Vocational Nurses**

**3.0 units – 45 hours**

This course focuses on the anatomy of the human body and how the organs function in a healthy state. This course will provide an understanding of how disease processes affect the human body. Pathophysiology is introduced and further explores in the nursing theory courses. **A grade of "C" or better is required for completion of the course.**



**VN 401: Advanced Nursing Care in Medical/Surgical,  
Mental and Community Health Clinical Rotations**

**5.0 units – 240 hours**

This course is the clinical application of nursing care concepts in advanced medical surgical nursing including mental health and community based nursing. **A grade of "C" or better is required for completion of the course.**

**VN 501: Comprehensive Licensure Exam Review**

**2.0 units – 40 hours**

This course focuses on review and preparation for passing the licensing exam required by the State Board of Vocational Nursing that allows a VN graduate from the State Board accredited program to become a Licensed Vocational Nurse. The course is designed to teach test taking strategies, assess knowledge needed and psychological approaches for successfully passing the exam. The exam is known as the National Certification Licensure Exam (NCLEX). **A grade of "C" or better is required for completion of the course.**

**VRT 101: Anatomy and Physiology of Domestic Animals**

**5.0 units – 90 hours**

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. **A grade of "C" or better is required for completion of the course.**

**VRT 102: Fundamentals of Animal Nursing**

**5.0 units – 90 hours**

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. **A grade of "C" or better is required for completion of the course.**

**VRT 205: Laboratory Procedures**

**5.0 units - 90 hours**

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. **A grade of "C" or better is required for completion of the course.**

**VRT 206: Companion Animal Nursing**

**3.0 units - 45 hours**

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. **A grade of "C" or better is required for completion of the course.**

**VRT 207: Farm Animal Nursing**

**3.0 units - 45 hours**

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. **A grade of "C" or better is required for completion of the course.**

**VRT 208: Introduction to Pharmacology**

**3.0 units - 45 hours**

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. **A grade of "C" or better is required for completion of the course.**

**VRT 300: Beginning Diagnostic Imaging**

**2.0 units - 45 hours**

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. **A grade of "C" or better is required for completion of the course.**

**VRT 301: Beginning Surgical Assisting A**

**1.0 units – 45 hours**

In this course students will begin to 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. **A grade of "C" or better is required for completion of the course.**

**VRT 306: Beginning Surgical Assisting B**

**2.0 units – 45 hours**

In this course students will apply surgical nursing skills from the beginning to end of the surgical process. Students will practice admitting and examining patients, preparing patient for, and non-sterile assisting with, surgery, and monitoring recovery. Students will also complete all documentation, interact with clients, use aseptic technique, and practice sterilization and sanitation of the operating suite. **A grade of "C" or better is required for completion of the course.**

**VRT 308: Advanced Pharmacology**

**3.0 units – 45 hours**

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. **A grade of "C" or better is required for completion of the course.**

**VRT 310: Advanced Surgical Procedures A**

**3.0 units – 45 hours**

This course focuses on advanced licensure procedures for the Veterinary Technician. These will 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. **A grade of "C" or better is required for completion of the course.**

**VRT 320: Advanced Surgical Procedures B**

**2 units – 45 hours**

Students will 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. **A grade of "C" or better is required for completion of the course.**

**VRT 390: Veterinary Clinical Rotation**

**1.0 unit - 50 hours**

Students will observe and participate in veterinary technician duties in a veterinary clinic or hospital setting affiliated with the College. Various settings may be available depending on the student's area of interest and the availability of sites. Hours and site locations are to be arranged with the instructor and facility. **A grade of "C" or better is required for completion of the course.**

**VRT 403: Advanced Diagnostic Imaging Applications**

**2.0 units – 45 hours**

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 abnormal 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. **A grade of "C" or better is required for completion of the course.**

**VRT 406: Exotic and Lab Animals**

**3 units – 45 hours**

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. **A grade of "C" or better is required for completion of the course.**

**VRT 407: Course Review and Essential Skills**

**2 units – 45 hours**

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. **A grade of "C" or better is required for completion of the course.**

**VRT 490: Externship A**

**4 units – 180 hours**

This course provides 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. **A grade of "C" or better is required for completion of the course.**

**VRT 491: Externship B**

**1 unit – 45 hours**

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. **A grade of "C" or better is required for completion of the course.**

## ADMISSION PROCEDURES AND REQUIREMENTS

The Admissions Department is dedicated to assisting prospective students in selecting programs that best suit their needs and qualifications. In order to ensure that prospective students are a good match for their selected program of interest, *SJVC* has established the following admission procedures and requirements:

1. Applicants must possess a high school diploma or the equivalent.
2. Applicants must participate in an interview with an admissions advisor.
3. Applicants to an on-ground program must participate in an admissions assessment. The assessment instrument(s) and process varies by program. The purpose of the assessment is to evaluate the cognitive ability of prospective students. Each program has a required minimum entry score. The Admissions Department utilizes the results from the assessment(s) to select prospective students who have the best opportunity to achieve success in their chosen program. Some programs have additional entrance procedures and requirements which may be found in the Admission Requirements statement listed for each program that appears in this catalog.
4. Applicants must meet with either the Enrollment Services Director or a campus manager or their designee for an acceptance interview. In addition to this acceptance interview, applicants may be required to meet with the Director of their selected program.
5. Applicants must meet with the Financial Services Department to confirm arrangements to meet tuition obligations.
6. Upon completion of the above, the applicant will sign an Enrollment Agreement which sets forth specific information such as start and graduation dates, tuition information, academic schedule, etc.

No person will be denied admission, graduation, or other rights and privileges on the basis of pregnancy, childbirth or related medical conditions, race, religious creed, color, gender, national origin or ancestry, sex, physical or mental disability, medical condition (including genetic characteristics), marital status, registered domestic partner status, age (for persons 40 and older), veteran status, sexual orientation, gender identification, or any other basis protected by federal, state or local law, ordinance, or regulation. Certain programs may have regulatory licensure requirements that prohibit enrollment of applicants with relevant past criminal convictions. Programs leading to occupations requiring licensure may have licensing requirements that prohibit enrollment of applicants with relevant past criminal convictions.

### INTERNATIONAL STUDENTS

*SJVC* is approved to issue F-1 and M-1 Visas to qualified international students. Students holding J or H Visas may also be eligible to attend as an international student. The following items are required from international applicants:

- A TOEFL score of at least 500, paper-based; 61, internet based; or 173, computer based.
- Certified Statement regarding Financial Support.
- Transcripts from high school and/or college attended.
- Verification of good health.

- Purchase of medical insurance to cover the school year.
- Proof of International J or H Visa status, if applicable.

### EVALUATION OF PRIOR CREDIT

#### Credits Earned at Regionally Accredited Institutions

*SJVC* may accept prior credit earned for coursework completed at other regionally accredited institutions to be applied towards a program.

The following terms and conditions apply:

- Students who intend to transfer in previously earned credit must notify the Registrar's Office.
- Students must provide official transcripts from the institution where the previous credit was earned. The Registrar's Office will evaluate the prior credit and make a determination as to whether credit will be awarded.
- Credits transferred in to specifically fulfill *SJVC*'s requirements must be graded 2.0 ("C") or higher.
- Some science courses require completion within the past seven (7) years in order to be considered for prior course credit.
- Students may transfer no more than a maximum of 30 units of the total units required in the major or program.
- Course credit assessment must be completed prior to the academic year in which the student is scheduled to take the applicable course(s).

A tuition credit of \$75.00 per accepted academic unit will be credited to the student account. All transcripts submitted become the property of *SJVC* and cannot be returned to students or forwarded to other institutions.

#### Credits Earned at Military Schools

Students may be granted appropriate credit for degree programs or specific coursework completed while on active duty in the armed forces. A military transcript must be provided to the Registrar for evaluation. The Registrar will make the determination on whether or not credit will be granted. Military transcripts may be ordered from the following website: [www.military.com](http://www.military.com).

#### Credits Earned in Foreign Institutions

Students who have completed coursework in foreign institutions must have their transcripts evaluated by a foreign evaluation service in order to have that coursework considered for academic credit towards an Associate of Science degree. Upon completion of this process, the evaluation report must be sent directly to the Registrar's Office. The Registrar will evaluate the report and make a determination on whether credit will be awarded.

#### Credits Earned by Examinations and Advanced Placement Courses

*SJVC* accepts credits for specific general education courses from the following testing sources:

- AP (Advanced Placement Program of the College Board)
- CLEP (College Level Examination Program)
- DSST (DANTES Subject Standardized Test)
- EXCELSIOR COLLEGE EXAMINATIONS (formerly Regents or ACT/PEP)

Please contact the Registrar for further information.

### **Credit Earned through Course Challenge**

Students may earn general education course credit in the areas of math and English through successful course challenge. To challenge a course, students are required to take an examination which tests their knowledge of the objectives and learning outcomes covered in the particular course. Students who successfully pass the examination will be granted the appropriate academic credit. Students must complete this process prior to the first scheduled start date of the applicable course. No tuition credit will be given to students who successfully pass the examination.

Contact the Academic Dean for further information.

### **Credit Earned for Experiential Learning**

*SJVC* does not grant credit or allow course challenge for experiential learning or previous experience.

### **Credit Earned at *SJVC* under a Certificate Program**

Credits earned in certificate programs after July 2004 are eligible for block transfer to degree programs.

### **Credit Earned at *SJVC* and Transfers to Other Institutions**

Students should consider the greatest value of their education at *SJVC* as leading to employment in a specific career field, as all *SJVC* programs lead to a terminal Associate of Science Degree or Certificate of Completion. Students should not automatically expect to transfer credits earned at *SJVC* to other colleges. Receiving institutions have the right to determine what credit is transferable. There may be a minimum grade required for transfer credit.

To find out which institutions have agreed to accept credits earned at *SJVC*, please contact the Registrar or refer to the list of Articulation Agreements on the College's website:

<http://static.sjvc.edu/downloads/docs/ArticulationFAQs.pdf>

## **CRIMINAL BACKGROUND CHECKS**

As part of its responsibility to provide a safe learning environment, *SJVC* reserves the right to conduct criminal background checks on applicants for admission and current students.

*SJVC* has several reasons for this requirement. First and foremost, *SJVC* has an interest in evaluating the character, maturity, and responsibility of its students. Second, *SJVC* can better academically advise students of difficulties that may arise in the course of the student's efforts to obtain externship and clinical placements, professional licensure, and/or other job placement. Certain extern and clinical sites and professional licensing boards are required by law and/or policy to exclude people with certain convictions.

This does not necessarily mean that *SJVC* will deny admission to, or expel a student from the College. *SJVC* will evaluate each case on its facts. Generally speaking, *SJVC* will look at the rational relationship between the nature, severity, and recency of the crime; *SJVC's* interests and needs; and the responsibility and repentance of the person convicted in determining whether to take action.

*SJVC* expects each applicant and/or student to provide *SJVC* with truthful, accurate, and complete information about his/her

convictions. This includes a continuing duty to notify *SJVC* of any arrests or convictions during the time that the student is enrolled at *SJVC*. Failure to comply with this policy may result in immediate denial of admission or suspension and/or expulsion from *SJVC*.

## **ACADEMIC CALENDAR**

Classes are offered continuously throughout the year at *SJVC*. All educational programs have frequent points of enrollment. The majority of *SJVC's* programs operate on a five week start date cycle. The programs that operate on this cycle allow for student enrollment every five weeks. The five week start dates for the remainder of 2013 and the 2014 academic year are published below. Please note that some of these programs have closed start dates within the calendar years reflected below. A closed start date essentially means that no new students will be allowed to start these programs on those dates. For further information, please contact the Admissions Office.

### **START DATES**

#### **2013**

09/30/2013

11/04/2013

12/09/2013

#### **2014**

01/21/2014

02/24/2014

03/31/2014

05/05/2014

06/09/2014

07/14/2014

08/18/2014

09/22/2014

10/27/2014

12/01/2014

The following programs are linear which means that students must complete each term in sequence. Linear programs do not operate on a five week start date cycle. The start dates for each of these programs for the remainder of 2013 and the 2014 academic year are listed below.

## **AVIATION MAINTENANCE TECHNOLOGY**

### **2013-2014**

#### **Aviation-Fresno Campus**

09/10/2013

11/06/2013

01/16/2014

03/19/2014

05/15/2014

07/15/2014

09/11/2014

11/10/2014

## TUITION FEES

The tuition fees for each program are listed below.<sup>2</sup>

### Aviation Campus

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#### DEGREE PROGRAMS

Aviation Maintenance Technology		
AY 1	=	\$12,850.00
AY 2	=	\$12,850.00
AY 3	=	\$2,800.00
<b>TOTAL</b>	<b>=</b>	<b>\$28,500.00</b>

### Bakersfield Campus

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#### DEGREE PROGRAMS

Business Administration		
Clinical & Admin Medical Assisting		
Emergency Services & Safety Mgmt		
Health Care Insurance Specialist		
HVAC-R Technology		
Industrial Technology		
Pharmacy Technology		
Therapeutic Massage		
AY 1	=	\$15,500.00
AY 2	=	\$14,250.00
<b>TOTAL</b>	<b>=</b>	<b>\$29,750.00</b>

Criminal Justice: Corrections		
AY 1	=	\$15,875.00
AY 2	=	\$15,875.00
<b>TOTAL</b>	<b>=</b>	<b>\$31,750.00</b>

Diagnostic Medical Sonography		
AY 1	=	\$19,750.00
AY 2	=	\$19,750.00
<b>TOTAL</b>	<b>=</b>	<b>\$39,500.00</b>

Respiratory Therapy		
AY 1	=	\$19,890.00
AY 2	=	\$19,890.00
<b>TOTAL</b>	<b>=</b>	<b>\$39,780.00</b>

Surgical Technology		
AY 1	=	\$15,875.00
AY 2	=	\$15,875.00
<b>TOTAL</b>	<b>=</b>	<b>\$31,750.00</b>

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<sup>2</sup> Tuition fees are also accessible on the College's portal website, **InfoZone**, and the sjvc.edu website. (**InfoZone** access is only available to enrolled students.) The pathway for accessing tuition fees via these websites is as follows:  
**InfoZone:** InfoZone/Document Center/SJVC Publications/Tuition Fees. **College website:** <http://consumerinfo.sjvc.edu/downloads/TuitionFees.pdf>

## CERTIFICATE PROGRAMS

Dental Assisting		
AY 1	=	\$18,600.00
<b>TOTAL</b>	<b>=</b>	<b>\$18,600.00</b>

Diagnostic Medical Sonography		
AY 1	=	\$19,750.00
AY 2	=	\$19,750.00
<b>TOTAL</b>	<b>=</b>	<b>\$39,500.00</b>

Industrial Technology		
Therapeutic Massage		
AY 1	=	\$15,500.00
<b>TOTAL</b>	<b>=</b>	<b>\$15,500.00</b>

### Fresno Campus

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#### DEGREE PROGRAMS

Business Administration		
Clinical & Admin Medical Assisting		
Health Care Administration		
HVAC-R Technology		
Pharmacy Technology		
AY 1	=	\$15,500.00
AY 2	=	\$14,250.00
<b>TOTAL</b>	<b>=</b>	<b>\$29,750.00</b>

Criminal Justice: Corrections		
Surgical Technology		
Veterinary Technology		
AY 1	=	\$15,875.00
AY 2	=	\$15,875.00
<b>TOTAL</b>	<b>=</b>	<b>\$31,750.00</b>

#### CERTIFICATE PROGRAMS

Clinical Medical Assisting		
Industrial Technology		
AY 1	=	\$15,500.00
<b>TOTAL</b>	<b>=</b>	<b>\$15,500.00</b>

Dental Assisting		
AY 1	=	\$18,600.00
<b>TOTAL</b>	<b>=</b>	<b>\$18,600.00</b>

### Hanford Center

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#### DEGREE PROGRAMS

Administrative Health Care Mgmt		
Business Administration		
Clinical Medical Assisting		
AY 1	=	\$15,500.00
AY 2	=	\$14,250.00
<b>TOTAL</b>	<b>=</b>	<b>\$29,750.00</b>

Criminal Justice: Corrections		
AY 1	=	\$15,875.00
AY 2	=	\$15,875.00
<b>TOTAL</b>	<b>=</b>	<b>\$31,750.00</b>

## CERTIFICATE PROGRAMS

Administrative Health Care Mgmt		
Business Administration		
Clinical Medical Assisting		
AY 1	=	\$15,500.00
<b>TOTAL</b>	<b>=</b>	<b>\$15,500.00</b>

### Hesperia Campus

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#### DEGREE PROGRAMS

Administrative Health Care Mgmt		
Business Administration		
Clinical & Admin Medical Assisting		
HVAC-R Technology		
Industrial Technology		
Pharmacy Technology		
AY 1	=	\$16,650.00
AY 2	=	\$15,300.00
<b>TOTAL</b>	<b>=</b>	<b>\$31,950.00</b>

Criminal Justice: Corrections		
AY 1	=	\$16,750.00
AY 2	=	\$16,750.00
<b>TOTAL</b>	<b>=</b>	<b>\$33,500.00</b>

#### CERTIFICATE PROGRAMS

Administrative Health Care Mgmt		
Business Administration		
Clinical Medical Assisting		
Industrial Technology		
Pharmacy Technology		
AY 1	=	\$16,650.00
<b>TOTAL</b>	<b>=</b>	<b>\$16,650.00</b>

### Lancaster Campus

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#### DEGREE PROGRAMS

Administrative Health Care Mgmt		
Business Administration		
Clinical & Admin Medical Assisting		
Industrial Technology		
Pharmacy Technology		
AY 1	=	\$16,650.00
AY 2	=	\$15,300.00
<b>TOTAL</b>	<b>=</b>	<b>\$31,950.00</b>

Criminal Justice: Corrections		
AY 1	=	\$16,750.00
AY 2	=	\$16,750.00
<b>TOTAL</b>	<b>=</b>	<b>\$33,500.00</b>

#### CERTIFICATE PROGRAMS

Administrative Health Care Mgmt		
Business Administration		
Clinical Medical Assisting		
Industrial Technology		
AY 1	=	\$16,650.00
<b>TOTAL</b>	<b>=</b>	<b>\$16,650.00</b>