

Surgical Technology Program Description

Surgical Technology

This program is offered at **Bakersfield** and **Fresno**.

Program Description

The Surgical Technology program is 64 weeks in length and prepares students to facilitate invasive, therapeutic, and diagnostic surgical procedures. Students learn the theory and application of sterile techniques as well as human anatomy. Instruction includes an extensive clinical rotation to give students hands-on experience in a surgical environment.

The Surgical Technology program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) in cooperation with the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC-STSA).

Program Student Learning Outcomes

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

1. Complete eligibility requirements for the National Certification Exam for Surgical Technologists
2. Demonstrate knowledge of surgical technology skills by successfully accomplishing controlled learning activities
3. Employ information obtained from biological, social and psychological studies
4. Obtain and use knowledge in providing culturally fitting patient care
5. Apply acquired skills and knowledge within the clinical setting
6. Practice surgical asepsis in diverse clinical backgrounds
7. Function as a surgical team member to deliver excellence in patient care
8. Demonstrate the development and consistent application of a surgical conscience
9. Practice accountability, competence, and character demonstrative of a trained professional
10. Practice ownership of learning and maintain responsibility and self-discipline to appraise and incorporate continued learning
11. 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
12. Demonstrate the social skills, professional appearance, attitudes and behavior that employers expect of all **SJVC** graduates

Admission Requirements

- Applicant must be in good health and physically fit
- Applicant must be age 18 by his/her expected graduation date

Applicants are selected based on points earned in an evaluation process that includes assessment, transcript review, professional reference and personal interviews.

Graduation Requirements

- Successful completion of the courses listed below with a grade of "C" or higher in all ST courses
- Achieve the minimum requirement for the Health Insurance Portability and Accountability Act (HIPAA) component
- Successful completion of the Career Services Seminar (CSS100)

Credential and Professional Certifications

Graduates of this program earn an Associate of Science degree and the following certifications: CPR, HIPAA, and Blood Borne Pathogens. Graduates are also eligible to apply to the National Board of Surgical Technology and Surgical Assisting (NBSTSA) to sit for the Certified Surgical Technologist (CST) national certification exam. Graduates who pass the certification exam are authorized to use the credential Certified Surgical Technologist (CST®).



Graduate Placement

The following job categories are considered in-field placements for graduates of the Surgical Technology Program. Detailed information for each Standard Occupational Code (SOC) can be found at <http://www.onetonline.org/>.

- Surgical Technologists (29-2055.00)

Core Course Requirements

Course ID	Course Name	Credit Units
APMT 1	Anatomy and Physiology with Medical Terminology	5.0
STC 3	Clinical Experience 1	5.0
STC 4	Clinical Experience 2	7.0
STL 1	Surgical Case Management Lab	2.0
STL 2	Basic Surgical Procedures Lab	2.0
STT 11	Introduction to Surgical Technology	5.0
STT 12	Surgical Case Management	3.0
STT 22	Basic Surgical Procedures	9.0
STT 33	Advanced Surgical Procedures	7.0
STT 44	Professional Development	6.0

General Education Course Requirements

Course ID	Course Name	Credit Units
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
Total		72.0



Course Descriptions

overhaul of a piston engine with removal and inspection of a piston engine will be covered. The student will also learn the procedures involved in the inspection and servicing of engine instrument systems. **A grade of "C" or better is required to earn credit for this course.**

AERO 33: Sheet Metal Structures and Airframe

Auxiliary Systems

9.0 units – 256 hours

This course will cover aircraft sheet metal fabrication including layout, drilling, and riveting. There will be a continued study of the fabrication and repair of plastics, honeycomb and bonded aluminum structure. This course will also cover autopilot, communication and navigation systems. **A grade of "C" or better is required to earn credit for this course.**

AERO 34: Turbine Engines

9.0 units – 256 hours

This course will focus on the inspection, servicing, troubleshooting, overhauling, and repair of turbine engines and supporting elements. Powerplant, electrical and auxiliary systems are also covered. **A grade of "C" or better is required to earn credit for this course.**

AERO 35: Composite Structures

9.0 units – 256 hours

Inspection and repair of wood, composite and fabric-covered structures, techniques for aircraft conformity and airworthiness inspection, techniques involved with aircraft electronic systems, including autopilot, communication and navigation systems, and techniques involving the application of aircraft finishes, including paint and dope, will be examined in this course. This course will also include techniques of welding and the fabrication and repair of structures by welding. **A grade of "C" or better is required to earn credit for this course.**

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 to earn credit for this 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 to earn credit for this 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 to earn credit for this course.**

APMT 1: Anatomy, Physiology, 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 to earn credit for this 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. Proper grammar, mechanics, number usage, vocabulary, and proofreading are emphasized as well as style, appearance, tone, and reader appeal. The importance of oral communication in business is also covered.

BIO 24: Human Anatomy and Physiology

4.0 units – 75 hours

This course provides students in health majors 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. Integration of multi-organ functions and relevant terminology will be included.

BIO 31: Microbiology

4.0 units – 75 hours

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.

wiring a basic residential structure. Both components of this course are completed in strict accordance with the requirements of the National Electrical Code. **A grade of "C" or better is required to earn credit for this course.**

ELEC 210: Commercial and Industrial Wiring
10.0 units – 180 hours

This course covers the theory and application of electrical buildings inclusive of general wiring, electrical systems, alternating current motors, transformers, lighting systems and load calculations, all in adherence to the requirements of the National Electrical Code. **A grade of "C" or better is required to earn credit for this course.**

ELEC 220: Programmable Logic Controllers/Industrial Electronics
5.0 units – 90 hours

This course presents basic concepts and applications of PLCs such as the PLC language, performing installation and diagnostic functions, using program tools, basic communications and logic operations. The practical instruction of this course is performed with Allen Bradley equipment and RSLogix software, both of which are predominantly used within the manufacturing industry. **A grade of "C" or better is required to earn credit for this course.**

ENG 121: Composition and Reading – Part A

3.0 units – 45 hours

This is the first in a two-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 is the second part of our college-level English course. By building on the skills learned in the first part, 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.

HCP 101: Structural Anatomy and Terminology

3.0 units – 45 hours

The course focuses on the foundational principles of structural body systems, such as the skeletal, muscular, and nervous systems, and common diseases and disorders related to these systems. 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.

HCP 102: Body System Anatomy and Terminology

3.0 units – 45 hours

The course examines the foundational principles of internal body systems, such as the digestive, reproductive and cardiovascular systems, and common diseases and disorders related to these systems. 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.

HCP 103: Foundational Office Skills

2.0 units – 45 hours

This course presents the fundamental administrative and communication skills needed to work in a medical facility. The student will build a foundation in medical coding, medical law and ethics, HIPAA regulations, as well as insurance plans and forms. Students will practice using electronic medical software.

HCP 201: Diseases and Disorders

3.0 units – 45 hours

In the course students will apply their basic knowledge of anatomy and physiology to a deeper examination of diseases, disorders, etiology, pathology, diagnostic testing, and common treatments of structural body systems. The course emphasizes applying medical terminology to situations in medical professions.

HCP 203: Medical Office Management

3.0 units – 45 hours

Adding to the fundamental administrative and communication skills needed to work in a medical office including using electronic medical software. Students will analyze legal and ethical scenarios following HIPAA regulations and how to provide excellent customer service. Student will also identify the responsibilities that come with managing an office, and practice the professional behavior needed and required in the healthcare setting.

HEA 10: Health and Wellness

3.0 units – 45 hours

This course is designed to promote desirable health attitudes and practices. Students will examine the various dimensions of health, which include physical, psychological, social, and environmental health. Students will also review a variety of health related topics, including stress, nutrition, fitness, sexuality, disease, and drug use and abuse, and evaluate healthy lifestyle choices in their own lives.

HR 100: Human Resource Management and Administration

2.0 units – 45 hours

This course will provide an overview of the tasks and responsibilities associated with the administration of human resources in the business environment. Topics include:

critical thinking skills, and handle difficult situations as professionals.

MOP 500: Externship

3.0 units – 135 hours

Students will utilize their skills and knowledge by working in a medical office, hospital, billing office, or insurance company under direct supervision of the professional office manager or medical director. Students are required to turn in completed hours and evaluations. The grade earned in this course is Pass/Fail. Passing this course is a graduation requirement.

MOP 510: Externship Seminar

1.0 unit – 15 hours

In this course students will assess their performance and application of acquired skills and knowledge. They will learn skills to prepare for the certification exam and practice professional behavior.

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.

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 the theory of pharmacological effects and mechanisms of action for urinary, circulatory, and respiratory system agents. 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. Keyboarding skills are also an integral component of this course. **A grade of "C" or better is required to earn credit for this 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 to earn credit for this 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 to earn credit for this course.**

PHR 30: Pharmacy Math and Computations

3.0 units – 45 hours

This course covers mathematical calculations involving fractions, decimals, ratios, and percentages including both

externship. They will also prepare for employment, participating in activities such as researching career options and completing State board paperwork.

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.

RN 10: Fundamentals 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 clients. 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 to earn credit for this course.**

Co-Requisite: RN 10L

RN 10L: Fundamentals 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 to earn credit for this course.**

Co-Requisite: RN 10

RN 12: Nursing Seminar 1: Pathophysiology

2.0 units – 30 hours

This course introduces the student to basic 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 to earn credit for this course.**

RN 22: Nursing Seminar 2: Pharmacology

2.0 units – 30 hours

This course offers a theoretical approach to pharmacotherapeutics. The focus of major drug classifications and specific medications will be discussed in relation to pharmacodynamics, pharmacokinetics, and therapeutic uses, adverse reactions, and precautions. **A grade of “C” or better is required to earn credit for this course.**

RN 23: Maternal Newborn Nursing Theory

3.0 units – 45 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 to earn credit for this course.**

Co-Requisite: RN 23L

RN 23L: Maternal Newborn 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 health client in the clinical/skills lab setting. **A grade of “C” or better is required to earn credit for this course.**

Co-Requisite: RN 23

RN 24: Beginning Medical Surgical Theory

3.0 units – 45 hours

This is the foundational Medical-Surgical Nursing course and builds upon the basic nursing content and theoretical concepts. Course content includes the care of patients with chronic illness in the medical-surgical setting. **A grade of “C” or better is required to earn credit for this course.**

Co-Requisite: RN 24L

RN 24L: Beginning Medical Surgical Clinical

3.0 units – 135 hours

This course consists of a Skills Lab and Clinical hours that apply the theory concepts of RN24, and build upon the basic skills. At the Advanced Beginner level, students will care for patients in the acute care setting. **A grade of “C” or better is required to earn credit for this course.**

Co-Requisite: RN 24

RN 28: Health Promotions

4.0 units – 90 hours

A foundational Medical-Surgical Nursing course designed for the LVN to RN student. This course is designed to build upon the basic nursing content and theoretical concepts including the care of patients with chronic and acute illness in the medical-surgical setting. Students will demonstrate mastery of basic nursing competencies. **A grade of “C” or better is required to earn credit for this course.**

RN 30: Gerontology-Community Health Nursing Theory

1.0 unit – 15 hours

In this course, students are introduced to the nursing role within the community health setting. They will also discuss the geriatric nurse’s role and the process of healthy aging. **A grade of “C” or better is required to earn credit for this course.**

Co-Requisite: RN 30L

RT 30A: Ventilatory Principles of Respiratory Care

4.0 units – 106 hours

The focus of this course is management of the airway and mechanical ventilation. Topics include endotracheal intubation, resuscitation devices, invasive and non-invasive ventilation, and initiation, monitoring, managing, and discontinuation of mechanical ventilation. Students will apply hemodynamics to positive pressure ventilation. **A grade of “C” or better is required to earn credit for this course.**

RT 30B: Critical Care Principles of Respiratory Care

2.0 units – 46 hours

The focus of this course is management of the airway and mechanical ventilation. Topics include endotracheal intubation, advanced airway management, resuscitation devices, invasive and non-invasive ventilation, tracheostomy care, and initiation, monitoring, managing, and discontinuation of mechanical ventilation. Students will apply hemodynamics to positive pressure ventilation. **A grade of “C” or better is required to earn credit for this course.**

RT 31: Essentials of Respiratory Care

7.0 units – 152 hours

The focus of this course is special applications in respiratory care, and neonatal and pediatric respiratory care. Topics include: neonatal and pediatric anatomy, physiology, and pathology. Specialized diagnostics and certifications also occur during this course. **A grade of “C” or better is required to earn credit for this course.**

RT 33: Clinical Practice – Rotation 3

6.0 units – 255 hours

Students will participate in clinical rotations in adult intensive care, emergency care, and pediatric floor care conducted at local hospitals and medical centers. The student will be assessed on supervised clinical practice and completion of clinical assignments and performance objectives. **A grade of “C” or better is required to earn credit for this course.**

RT 40: Advanced Respiratory Care

7.0 units – 152 hours

The focus of this course is advanced pulmonary function testing and critical care with emphasis on hemodynamic monitoring. Topics include advanced physical, radiological, and clinical laboratory assessment along with invasively monitored cardiac assessment and special procedures. Routine and specialized pulmonary function tests are also covered. **A grade of “C” or better is required to earn credit for this course.**

RT 41: Specialized Respiratory Care

7.0 units – 152 hours

The focus of this course is alternate work sites and job readiness for successful employment in Respiratory Care. Topics include land/air patient transport, disaster

management, patient and family education and health management, case management, home care, long term care, pulmonary rehabilitation, and sleep studies. Job readiness along with licensure and credentialing examination preparation also occurs in this course. **A grade of “C” or better is required to earn credit for this course.**

RT 44: Clinical Practice – Rotation 4

6.0 units – 255 hours

Students will participate in advanced rotations in adult, pediatric, and neonatal critical care conducted at local hospitals and medical centers. Specialized clinical experiences, as available, in respiratory home care, asthma education, pulmonary function testing, sleep studies, land/air patient transport, intra-hospital patient transport, disaster management, medical emergency team (MET) and pulmonary rehabilitation. The student will be assessed on supervised clinical practice and completion of clinical assignments and performance objectives. **A grade of “C” or better is required to earn credit for this course.**

SOC 1: Introduction to Sociology

3.0 units – 45 hours

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

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 non-sterile and sterile surgical case management duties. Assignments may include the sterile processing department, preoperative holding area, surgery department, and the post-anesthesia care unit. The clinical sites are located within a 60-mile radius of the campus. **A grade of “C” or better is required to earn credit for this course.**

STC 4: Clinical Experience 2

7.0 units – 315 hours

Under direct supervision, at the assigned clinical site, the student will perform non-sterile 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 to earn credit for this course.**

STL 1: Surgical Case Management Lab**2.0 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 to earn credit for this course.**

STL 2: Basic Surgical Procedures Lab**2.0 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 to earn credit for this course.**

STT 11: Introduction to Surgical Technology**5.0 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. Basic Life Support for Healthcare Providers (CPR) is included. **A grade of "C" or better is required to earn credit for this course.**

STT 12: Surgical Case Management**3.0 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. **A grade of "C" or better is required to earn credit for this course.**

STT 22: Basic Surgical Procedures**9.0 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 to earn credit for this course.**

STT 33: Advanced Surgical Procedures**7.0 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 to earn credit for this course.**

STT 44: Professional Development**6.0 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 to earn credit for this 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 explored in the nursing theory courses. **A grade of "C" or better is required to earn credit for this course.**

VN 11: Clinical Pharmacology for Nurses**4.0 units – 60 hours**

All phases of clinical pharmacology, types of drugs, general drug actions and uses, adverse effects, clinical consideration, and patient teaching will be covered. **A grade of "C" or better is required to earn credit for this course.**

VN 14: Nursing Fundamentals Theory**6.0 units – 90 hours**

This course focuses on the patient centered study of fundamental nursing concepts and basic bedside nursing skills that apply to all clinical areas in vocational nursing. **A grade of "C" or better is required to earn credit for this course.**

VN 21: Nursing of the Mature Adult Theory**8.0 units – 120 hours**

This course provides a foundation in the study of nursing care related to adult clients experiencing disorders of the integumentary system, skeletal system, muscular system, nervous system, sensory system, endocrine system, cardiovascular system, respiratory system, digestive/gastrointestinal system, urinary system, and metabolic/nutritional disorders. Other topics to be covered are: legal/ethical issues, community resources, diagnostic testing, patient education, rehabilitation, communicable diseases, cultural influences, and death/dying. **A grade of "C" or better is required to earn credit for this course.**

VN 32: Maternity Nursing Theory**3.0 units – 45 hours**

This course applies the nursing process to the care of the mother and newborn baby, including prenatal care, stages of labor, delivery, and postpartum care with emphasis on patient teaching, legal/ethics, communication, community resources, cultural influence, substance abuse, and

Institutional Admission Requirements

ABILITY TO BENEFIT

“Ability to benefit” is defined as the demonstrated aptitude to successfully complete the educational program and subsequently be employed. The College has determined that ‘ability to benefit’ is demonstrated by achievement of high school graduation, achievement of a GED or its equivalent and as such does not accept applicants who lack these credentials.

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:

- Applicants must possess a high school diploma or the equivalent.
- Applicants must participate in an interview with an admissions advisor.
- Applicants to on-ground and online programs 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.

- 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.
- Applicants must meet with the Financial Services Department to confirm arrangements to meet tuition obligations.
- 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.
- All new student enrollments must complete New Student Orientation prior to their first class session.

Programs leading to occupations requiring licensure may have licensing requirements that prohibit enrollment of applicants with relevant past criminal convictions.

LANGUAGE PROFICIENCY

Students are required to have proficiency in the English language as documented in the admissions process:

- Conversational proficiency: interview
- Written proficiency: application essay
- Reading comprehension: assessment instrument

All enrollments related documents, including the Enrollment Agreement and the School Performance Fact Sheet, are printed in English. If English is not your primary language, you have the right to retain an interpreter at your own cost to obtain a clear explanation of the terms and conditions of the Enrollment Agreement, including the cancellation and refund policies, and other enrollment related documents, in your primary language

STUDENT RIGHT TO CANCEL

New students have the right to cancel the enrollment agreement and obtain a refund of charges paid through attendance at the first class session, or the seventh day after enrollment, whichever is later.

Cancellation shall occur when the student gives written notice of cancellation at the address of the College shown on top of the front page of the enrollment agreement. Students can submit this written notice by mail, hand delivery, or email. The written notice of cancellation need not take any particular form and, however expressed, it is effective if it shows that the student no longer wishes to be bound by the enrollment agreement.

If the student cancels the enrollment agreement, the College will not charge institutional charges; however, the College retains the nonrefundable application fee and may charge for equipment not returned in a timely manner in good condition.

INTERNATIONAL STUDENTS (VISA SERVICES)

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 or a TOEIC score of 590 or better.
- Certified Statement regarding Financial Support.
- Transcripts from high school and/or college attended.
- Proof of International J or H Visa status, if applicable.

There is no charge for issuing a visa.

TRANSFER OF CREDIT

SJVC is committed to helping students achieve their educational goals. The College recognizes that – prior to enrollment at SJVC, students may have completed course

Institutional Graduation Requirements

GRADUATION REQUIREMENTS FOR THE ASSOCIATE OF SCIENCE DEGREE

An Associate of Science Degree will be awarded to students who fulfill the following requirements:

- Completion of a minimum of 60 units of coursework;
- Completion of program and general education coursework;
- Completion of the Career Services Seminar or equivalent;
- 2.0 cumulative grade point average; and
- Completion of any program graduation requirements.⁴

Proficiency in Basic Skills

All students granted an Associate of Science degree must have demonstrated college-level competence in reading, written expression, and math skills.

Reading and written expression proficiency *must* be satisfied by one of the following:

- Completion with a grade of “D” or better in the following at **SJVC**:
 - **English 121 & 122**
- Completion with a grade of “C” or better in a course equivalent to English 121&122 from a regionally accredited College or University.

Math proficiency *must* be demonstrated by one of the following:

- Completion with a grade of “D” or better in the following at **SJVC**:
 - **Math 121 & 122**
- Completion with a grade of “C” or better in a course equivalent to Math 121 & 122 from a regionally accredited College or University.

Please note: Unless otherwise defined by program requirements, a grade of “D” in the above-referenced courses will satisfy proficiency in basic skills and is considered a passing grade. However, a student with a “D” in one or more of these courses must maintain a 2.0 *cumulative* GPA in order to remain in Satisfactory Academic Progress.

Career Services Seminar

This seminar concentrates on the job search preparation and process. Topics include services provided by the Career Services Department, resume writing, interview techniques, networking skills, portfolio presentation, and

workplace success. **Passing this seminar or equivalent is a graduation requirement.**

To keep pace with educational, technological or similar developments, **SJVC** reserves the right to change the requirements for graduation.

Changes may be applied to students already enrolled. For those cases, the College will specify an alternate plan of study, which must be completed in lieu of the original requirements.



⁴ Program-specific graduation requirements are listed in the Program Descriptions.