

Diagnostic Medical Sonography

This program is offered at **Bakersfield**.

Program Description

The Diagnostic Medical Sonography program is 73 weeks in length and prepares students to work as an entry-level general sonographer. Students learn how to perform ultrasound scanning examinations and record the data for interpretation by a physician. Graduates are prepared to provide effective oral and written communication to the healthcare team as it pertains to diagnostic results.

Program Student Learning Outcomes

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

1. Obtain, review, and integrate pertinent patient history and supporting clinical data to facilitate optimum diagnostic results
2. Perform appropriate ultrasound scanning procedures and record anatomic, pathologic, and/or physiologic data for interpretation by a physician
3. Record, analyze, and process diagnostic data and other pertinent observations made during the procedure for presentation to the interpreting physician
4. Exercise discretion and judgment in the performance of sonographic and/or other non-invasive diagnostic services
5. Demonstrate appropriate communication skills with patients and colleagues.
6. Act in a professional and ethical manner
7. Provide patient education related to medical ultrasound and/or other non-invasive diagnostic ultrasound techniques, and promote principles of good health
8. Demonstrate the social skills, professional appearance, attitudes and behavior that employers expect of all **SJVC** graduates



Admissions Requirements

- Applicants must be at least 18 years of age and have completed the following prerequisite courses with a grade a “C” or higher at an accredited college or university:
 - Writing and Composition
 - Intermediate Algebra or higher
 - Anatomy and Physiology
 - Medical Terminology

Nine units of prerequisite coursework will be applied to the general education graduation requirement.

Applicants who have successfully completed the prerequisites will be considered for admission into the program. Using a point-based system, applicants will be ranked on the following criteria: cumulative GPA on prerequisite courses, an assessment, professional references, and a personal interview with program faculty. Enrollment decisions are made by the Program Director or his/her designee.

Graduation Requirements

- Successful completion of the courses listed below with a grade of “C” or higher
- Achieve the minimum requirement of the Health Insurance Portability and Accountability Act (HIPAA) component
- Successful completion of the Career Services Seminar (CSS100)
- Successfully complete at **SJVC** or transfer in (at the time of enrollment) 9.0 units of general education in the following subjects:
 - Ethics (PHIL 1C)
 - Two of the following: Economics (ECON 1), General Psychology (PSY 1), or Introduction to Sociology (SOC 1).

Credential and Professional Certifications

Graduates earn an Associate of Science in Diagnostic Medical Sonography. Upon completion of 1,680 hours of work experience as a diagnostic medical sonographer, graduates are eligible to sit for the ARDMS certification exam. An alternative exam pathway is available to graduates who have earned a previous health studies credential (please see the Program Director for more information).

Graduate Placement

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

- Diagnostic Medical Sonographers (29-2032.00)

Core Course Requirements

| Course ID | Course Name | Credit Units |
|-----------|--|--------------|
| DMS 200 | Orientation to Ultrasound Imaging Seminar | P/F |
| DMS 210 | Abdominal and Small Parts Ultrasound Imaging | 6.0 |
| DMS 210L | Abdominal and Small Parts Ultrasound Imaging Laboratory | 5.0 |
| DMS 215 | Fundamentals of Sonography | 1.0 |
| DMS 220 | Obstetrics and Gynecology Ultrasound Imaging | 6.0 |
| DMS 220L | Obstetrics and Gynecology Ultrasound Imaging Laboratory | 5.0 |
| DMS 225 | Patient Care for Sonographers | 3.0 |
| DMS 230 | Introduction to Vascular Ultrasound Imaging | 6.0 |
| DMS 230L | Introduction to Vascular Ultrasound Imaging Laboratory | 5.0 |
| DMS 235 | Professional Aspects of Sonography | 1.0 |
| DMS 240 | Physical Principles & Instrumentation of Ultrasound | 6.0 |
| DMS 240L | Physical Principles & Instrumentation of Ultrasound Laboratory | 5.0 |
| DMS 250 | Clinical Practicum I | 10.0 |
| DMS 260 | Clinical Practicum II | 10.0 |
| DMS 300 | ARDMS Certifying Examination Review | 1.0 |

General Education Course Requirements

| Course ID | Course Name | Credit Units |
|--------------|---------------------------|--------------|
| PHIL 1C | Ethics | 3.0 |
| PSY 1 | General Psychology | 3.0 |
| SOC 1 | Introduction to Sociology | 3.0 |
| Total | | 88.0 |



Surgical Technology

This program is offered at **Bakersfield, Fresno, Rancho Cordova, and Temecula.**

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 successful student 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 |



Human Resource Administration

This program is offered **Online**.

Program Description

The Human Resource Administration program is 30 weeks in length and offers training in the procedures, policies, and practices found in today's human resource departments. Students develop personal, professional, and human relations skills necessary to perform the duties of a human resource administrator. Hands-on training includes a variety of computer applications, including Microsoft Office, word processing, spreadsheets, databases and presentation software.

Program Student Learning Outcomes

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

1. Identify and uphold ethical behavior within an organization
2. Protect all organizational assets, focusing on employee health, safety, and security
3. Identify workplace laws, incorporating the principles of confidentiality and diversity to employee and employer rights
4. Communicate confidently and effectively orally and in writing
5. Perform administrative roles such as record keeping, computer usage, and payroll
6. Develop the role of employee advocate, managing HR activities such as motivation and retention of employees
7. Develop and implement employee training programs
8. Partner with management for organizational decision making in areas such as strategic planning, policy and procedure development, staffing, compensation, and talent management
9. Utilize critical thinking skills to resolve conflict, process grievances, and appraise employee performance
10. 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
11. Demonstrate the social skills, professional appearance, attitudes, and behavior that employers expect of all **SJVC** graduates



Graduation Requirements

- Successful completion of the courses listed below
- Minimum keyboarding speed of 35 net words per minute
- Successful completion of the Career Services Seminar (CSS100)

Credential and Professional Certifications

Graduates earn a Certificate of Completion and are prepared to take the Microsoft® Office Specialist Exam for certification in Word, PowerPoint® and Excel®.

Graduate Placement

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

- Administrative Services Managers (11-3011.00)
- Bookkeeping, Accounting, and Auditing Clerks (43-3031.00)
- Customer Service Representatives (43-4051.00)
- Executive Secretaries and Executive Administrative Assistants (43-6011.00)
- First-Line Supervisors of Retail Sales Workers (41-1011.00)
- General and Operations Managers (11-1021.00)
- Human Resources Specialists (13-1071.00)
- Office Clerks, General (43-9061.00)
- Receptionists and Information Clerks (43-4171.00)
- Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products (51-4081.00)
- First-Line Supervisors of Food Preparation and Serving Workers (35-1012.00)

| Course ID | Course Name | Credit Units |
|-----------------------------------|---|---------------------|
| CMP 101 | Computer Literacy and Applications for the Professional | 3.0 |
| BUSN 100 | Business Math Applications | 3.0 |
| CMP 102 | Introduction to Microsoft Office 2 | 5.0 |
| <i>Equivalency Courses</i> | | |
| BUSN 200 | <i>Spreadsheet Management</i> | 2.0 |
| BUSN 120 | <i>Business Communication</i> | 3.0 |
| HRA 21 | Human Resource Fundamentals | 5.0 |
| HRA 22 | Regulations and Laws Affecting Human Resources | 5.0 |
| HRA 23 | Accounting and Payroll Management | 5.0 |
| HRA 24 | Ethics in Human Resources | 5.0 |
| Total | | 31.0 |

