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Surgical Technologists

Louisiana

Summary of Job Duties

Surgical Technologists <u>Video</u> - Assist in operations, under the supervision of surgeons, registered nurses, or other surgical personnel. May help set up operating room, prepare and transport patients for surgery, adjust lights and equipment, pass instruments and other supplies to surgeons and surgeon's assistants, hold retractors, cut sutures, and help count sponges, needles, supplies, and instruments.

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Detailed Job Description

Surgical Technologists Surgical technologists may transport patients to surgery.

Surgical technologists, also called operating room technicians, assist in surgical operations. They prepare operating rooms, arrange equipment, and help doctors during surgeries.

Duties

Surgical technologists typically do the following:

- Prepare operating rooms for surgery
- Sterilize equipment and make sure that there are adequate supplies for surgery
- Ready patients for surgery, such as by washing and disinfecting incision sites
- Help surgeons during surgery by passing them instruments and other sterile supplies
- Count supplies, such as sponges and instruments
- Maintain a sterile environment

Surgical technologists work as members of a healthcare team alongside physicians and surgeons, registered nurses, and other healthcare workers.

Before an operation, surgical technologists prepare the operating room by setting up surgical instruments and equipment. They also prepare patients for surgery by washing and disinfecting incision sites, positioning the patients on the operating table, covering them with sterile drapes, and

taking them to and from the operating room. Surgical technologists prepare sterile solutions and medications used in surgery and check that all surgical equipment is working properly. They help the surgical team put on sterile gowns and gloves.

During an operation, surgical technologists pass instruments and supplies to surgeons and first assistants. They also hold retractors, hold internal organs in place during the procedure, or set up robotic surgical equipment. Technologists also may handle specimens taken for laboratory analysis.

Once the operation is complete, surgical technologists may apply bandages and other dressings to the incision site. They may also help transfer patients to recovery rooms and restock operating rooms after a procedure.

Surgical first assistants have a hands-on role, directly assisting surgeons during a procedure. For instance, they may help to suction the incision site or suture a wound.

Source: <u>U.S. Department of Labor Bureau of Labor Statistics</u>

Job Zone

The section below shows the job zone information for Surgical Technologists. Job Zone Three: Medium Preparation Needed.

| Education | Experience | Training |
|--|---|---|
| Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree. | Previous work-related skill, knowledge, or experience is required for these occupations. For example, an electrician must have completed three or four years of apprenticeship or several years of vocational training, and often must have passed a licensing exam, in order to perform the job. | Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers. A recognized apprenticeship program may be associated with these occupations. |

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Jobs Available

This section shows the number of job openings advertised online in Louisiana for Surgical Technologists and for the related occupational group of Healthcare Practitioners and Technical Occupations on November 23, 2020 (Jobs De-duplication Level <u>2</u>).

| Occupation | Job Openings |
|--|---------------|
| Surgical Technologists • | 222 |
| Healthcare Practitioners and Technical Occupations | <u>10,407</u> |

* BRIGHT OUTLOOK NATIONALLY

Source: Online advertised jobs data

Monthly Job Count

This section shows the number of job openings advertised online for Surgical Technologists in Louisiana October, 2020 (Jobs De-duplication Level 2).

| Occupation | Job Openings |
|--------------------------|--------------|
| Surgical Technologists • | 342 |

Source: Online advertised jobs data

Jobs Area Distribution

This section shows the distribution of number of job openings advertised online for Surgical Technologists in Louisiana by parishes on November 23, 2020 (Jobs De-duplication Level <u>2</u>).

Job Source: Online advertised jobs data

Wage Source: Labor Market Statistics, Occupational Employment Statistics Program
The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Data is from a 2019 survey.

Jobs in Related Occupations

This section shows the number of job openings advertised online in Louisiana for occupations related to Surgical Technologists on November 23, 2020 (Jobs De-duplication Level <u>2</u>).

| Rank | Occupation | Median Wage | Job Openings | *Related By |
|------|--|-------------|--------------|----------------|
| 1 | Registered Nurses > | \$64,044 | <u>4,509</u> | O*NET |
| 2 | <u>Licensed Practical and Licensed</u> <u>Vocational Nurses</u> | \$40,065 | <u>697</u> | O*NET |
| 3 | Medical Assistants > | \$29,530 | <u>295</u> | O*NET |
| 4 | Surgical Technologists > | \$40,492 | <u>222</u> | N/A |
| 5 | Medical and Clinical Laboratory <u>Technologists</u> ** | N/A | <u>190</u> | SOC4 |
| 6 | Respiratory Therapists > | \$54,660 | <u>181</u> | O*NET |
| 7 | Radiologic Technologists > | \$51,720 | <u>168</u> | O*NET |
| 8 | Pharmacy Technicians > | \$33,109 | <u>166</u> | SOC4 |

| Rank | Occupation | Median Wage | Job Openings | *Related By |
|------|---|-------------|--------------|----------------|
| 9 | Emergency Medical Technicians and Paramedics | N/A | <u>122</u> | O*NET |
| 10 | Medical and Clinical Laboratory Technicians ** | N/A | <u>83</u> | SOC4 |
| 11 | Diagnostic Medical Sonographers | \$62,001 | <u>77</u> | O*NET |
| 12 | Respiratory Therapy Technicians | N/A | <u>66</u> | O*NET |
| 13 | Physical Therapist Assistants | \$54,873 | <u>52</u> | O*NET |
| 14 | Psychiatric Technicians > | \$26,817 | <u>51</u> | SOC4 |
| 15 | Cardiovascular Technologists and Technicians | \$37,253 | <u>44</u> | O*NET |
| 16 | Nuclear Medicine Technologists | \$68,193 | <u>39</u> | O*NET |
| 17 | Medical Equipment Preparers > | \$29,569 | <u>38</u> | O*NET |
| 18 | Medical Records and Health Information Technicians | N/A | <u>31</u> | SOC4 |
| 19 | Dietetic Technicians | \$25,252 | <u>28</u> | SOC4 |
| 20 | Veterinary Technologists and Technicians | \$25,902 | <u>26</u> | O*NET |
| 21 | Dental Assistants | \$32,991 | <u>22</u> | O*NET |
| 22 | Radiologic Technicians > | N/A | <u>21</u> | O*NET |
| 23 | <u>Dental Hygienists</u> | N/A | <u>20</u> | O*NET |
| 24 | Acute Care Nurses > | \$64,044 | <u>16</u> | O*NET |
| 25 | Radiation Therapists > | \$70,724 | <u>11</u> | O*NET |
| 26 | <u>Cytotechnologists</u> • | N/A | <u>11</u> | SOC4 |
| 27 | Health Technologists and Technicians, All Other | N/A | <u>11</u> | SOC4 |
| 28 | Endoscopy Technicians • | \$27,234 | <u>11</u> | O*NET |
| 29 | Histotechnologists and Histologic <u>Technicians</u> | N/A | <u>5</u> | O*NET |
| 30 | Opticians, Dispensing • | \$31,270 | <u>4</u> | SOC4 |
| 31 | Occupational Health and Safety Technicians • • | N/A | <u>4</u> | O*NET |
| 32 | Orthotists and Prosthetists . | \$67,332 | <u>2</u> | SOC4 |
| 33 | Police, Fire, and Ambulance Dispatchers | \$31,466 | <u>2</u> | O*NET |
| 34 | Medical Appliance Technicians > | \$34,012 | <u>2</u> | O*NET |
| 35 | Neurodiagnostic Technologists > | N/A | 1 | SOC4 |

Job Source: Online advertised jobs data

Wage Source: Labor Market Statistics, Occupational Employment Statistics Program
The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Data is from a 2019 survey.
*Related By: O*NET™ - The Occupational Information Network. O*NET is a registered trademark of the US Department of Labor/Employment and Training Administration.

SOC4 - Occupational grouping based on 1st 4 digits of the <u>Standard Occupational Classification</u> system.

Candidates Available

This section shows potential candidates in the workforce system in Louisiana for Surgical Technologists and for the related occupational group of Healthcare Practitioners and Technical Occupations on November 23, 2020.

| Occupation | Candidates |
|--|------------|
| Surgical Technologists • | 108 |
| Healthcare Practitioners and Technical Occupations | 5,240 |

STRIGHT OUTLOOK NATIONALLY

Source: Individuals with active résumés in the workforce system.

Candidate Area Distribution

This section shows the distribution of potential candidates in the workforce system for Surgical Technologists in Louisiana by parishes on November 23, 2020.

| Rank | Area Name | Median Wage | Candidates |
|------|--------------------------|----------------------------------|------------|
| 1 | East Baton Rouge Parish | \$40,492 state level wages | 44 |
| 2 | <u>Jefferson Parish</u> | \$40,492 state level wages | 44 |
| 3 | <u>Orleans Parish</u> | \$40,492 state level wages | 43 |
| 4 | <u>Ouachita Parish</u> | \$40,492 state level wages | 40 |
| 5 | <u>Livingston Parish</u> | \$40,492 state level wages | 38 |
| 6 | St. Tammany Parish | \$40,492 state level wages | 37 |
| 7 | <u>Tangipahoa Parish</u> | \$40,492 state level wages | 36 |
| 8 | St. Charles Parish | \$40,492 state level wages | 35 |
| 9 | Bossier Parish | \$40,492 state level wages | 34 |
| 10 | Ascension Parish | \$40,492 state level wages | 33 |

Candidate Source: Individuals with active résumés in the workforce system.

Wage Source: Labor Market Statistics, Occupational Employment Statistics Program

The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Data is from a 2019 survey.

Candidates in Related Occupations

This section shows how many potential candidates in the workforce system were looking for work in Louisiana in occupations related to Surgical Technologists on November 23, 2020.

| Rank | Occupation | Median Wage | Candidates | *Related By |
|------|--|-------------|------------|----------------|
| 1 | Medical Assistants | \$29,530 | 2,207 | O*NET |
| 2 | Dental Assistants | \$32,991 | 928 | O*NET |
| 3 | <u>Licensed Practical and Licensed</u> <u>Vocational Nurses</u> | \$40,065 | 815 | O*NET |
| 4 | Medical Records and Health Information Technicians | N/A | 594 | SOC4 |
| 5 | Registered Nurses > | \$64,044 | 423 | O*NET |
| 6 | Pharmacy Technicians > | \$33,109 | 298 | SOC4 |
| 7 | Occupational Health and Safety Technicians • • | N/A | 297 | O*NET |
| 8 | Medical and Clinical Laboratory Technicians | N/A | 248 | SOC4 |
| 9 | Health Technologists and Technicians, All Other | N/A | 181 | SOC4 |
| 10 | Acute Care Nurses | \$64,044 | 142 | O*NET |
| 11 | Emergency Medical Technicians and Paramedics | N/A | 129 | O*NET |
| | | | | |

| Rank | Occupation | Median Wage | Candidates | *Related By |
|------|--|-------------|------------|----------------|
| 12 | Psychiatric Technicians > | \$26,817 | 115 | SOC4 |
| 13 | <u>Dental Hygienists</u> | N/A | 109 | O*NET |
| 14 | Surgical Technologists > | \$40,492 | 108 | N/A |
| 15 | Cardiovascular Technologists and Technicians | \$37,253 | 73 | O*NET |
| 16 | Opticians, Dispensing • | \$31,270 | 67 | SOC4 |
| 17 | Police, Fire, and Ambulance Dispatchers | \$31,466 | 59 | O*NET |
| 18 | Physical Therapist Assistants > | \$54,873 | 57 | O*NET |
| 19 | Radiologic Technicians > | N/A | 56 | O*NET |
| 20 | <u>Dietetic Technicians</u> | \$25,252 | 53 | SOC4 |
| 21 | Veterinary Technologists and Technicians | \$25,902 | 48 | O*NET |
| 22 | Medical Equipment Preparers > | \$29,569 | 48 | O*NET |
| 23 | Medical and Clinical Laboratory Technologists • | N/A | 41 | SOC4 |
| 24 | Radiologic Technologists. | \$51,720 | 34 | O*NET |
| 25 | Diagnostic Medical Sonographers | \$62,001 | 25 | O*NET |
| 26 | Respiratory Therapists > | \$54,660 | 20 | O*NET |
| 27 | Nuclear Medicine Technologists • | \$68,193 | 8 | O*NET |
| 28 | Endoscopy Technicians > | \$27,234 | 8 | O*NET |
| 29 | Medical Appliance Technicians > | \$34,012 | 8 | O*NET |
| 30 | Neurodiagnostic Technologists > | N/A | 6 | SOC4 |
| 31 | Respiratory Therapy Technicians | N/A | 4 | O*NET |
| 32 | Orthotists and Prosthetists > | \$67,332 | 2 | SOC4 |
| 33 | Histotechnologists and Histologic Technicians | N/A | 1 | O*NET |

BRIGHT OUTLOOK NATIONALLY | GREEN OCCUPATIONS

Candidate Source: Individuals with active résumés in the workforce system.

Wage Source: Labor Market Statistics, Occupational Employment Statistics Program

The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Data is from a 2019 survey.

*Related By: O*NET™ - The Occupational Information Network. O*NET is a registered trademark of the US Department of Labor/Employment and Training Administration.

SOC4 - Occupational grouping based on 1st 4 digits of the <u>Standard Occupational Classification</u> system.

Jobs and Candidates Available

This section shows the number of job openings advertised online, as well as potential candidates in the workforce system in Louisiana for Surgical Technologists and for the related occupational group of Healthcare Practitioners and Technical Occupations on November 23, 2020 (Jobs De-duplication Level 2).

| Occupation | Job Openings | Candidates | Candidates per Job |
|--------------------------|--------------|------------|-----------------------|
| Surgical Technologists > | <u>222</u> | 108 | 0.49 |

| Occupation | Job Openings | Candidates | Candidates per Job |
|--|---------------|------------|-----------------------|
| Healthcare Practitioners and Technical Occupations | <u>10,407</u> | 5,240 | 0.50 |

BRIGHT OUTLOOK NATIONALLY

Job Source: Online advertised jobs data Candidate Source: Individuals with active résumés in the workforce system.

Jobs and Candidates Area Distribution

This section shows the distribution of number of job openings advertised online, as well as potential candidates in the workforce system for Surgical Technologists in Louisiana by parishes on November 23, 2020 (Jobs De-duplication Level <u>2</u>).

| Rank | Area Name | Median Wage | Job Openings | Candidates | Candidates per Job |
|------|--------------------------|----------------------------------|-----------------|------------|-----------------------|
| 1 | <u>Livingston Parish</u> | \$40,492 state level wages | <u>1</u> | 38 | 38.00 |
| 2 | <u>Tangipahoa Parish</u> | \$40,492 state level wages | <u>1</u> | 36 | 36.00 |
| 3 | St. Charles Parish | \$40,492 state level wages | <u>1</u> | 35 | 35.00 |
| 4 | Ascension Parish | \$40,492 state level wages | <u>1</u> | 33 | 33.00 |
| 5 | <u>Franklin Parish</u> | \$40,492 state level wages | 1 | 31 | 31.00 |
| 6 | Acadia Parish | \$40,492 state level wages | 1 | 30 | 30.00 |
| 7 | St. Landry Parish | \$40,492 state level wages | 1 | 30 | 30.00 |
| 8 | <u>Lafourche Parish</u> | \$40,492 state level wages | 1 | 29 | 29.00 |
| 9 | St. Martin Parish | \$40,492 state level wages | 1 | 29 | 29.00 |
| 10 | <u>Iberia Parish</u> | \$40,492 state level wages | 1 | 28 | 28.00 |

Job Source: Online advertised jobs data

Candidate Source: Individuals with active résumés in the workforce system.

Wage Source: Labor Market Statistics, Occupational Employment Statistics Program

The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Data is from a 2019 survey.

National Supply and Demand Summary

Surgical Technologists Employment of surgical technologists is projected to grow 12 percent from 2016 to 2026, faster than the average for all occupations. Advances in medical technology have made surgery safer, and more operations are being done to treat a variety of illnesses and injuries.

In addition, the aging of the large baby-boom generation is expected to increase the need for surgical technologists because older people usually require more operations. Moreover, as these individuals age, they may be more willing than those in previous generations to seek medical treatment to improve their quality of life. For example, an individual may decide to have a knee replacement operation in order to maintain an active lifestyle or to have cataracts removed to improve vision.

Job Prospects

Job prospects should be best for surgical technologists who have completed an accredited education program and hold a certification.

Source: <u>U.S. Department of Labor Bureau of Labor Statistics</u>

Employers by Number of Job Openings

This section shows the employers with the highest number of job openings advertised online for Surgical Technologists in Louisiana on November 23, 2020 (Jobs De-duplication Level <u>2</u>).

| Rank | Employer Name | Job Openings |
|------|----------------------|--------------|
| 4 | CUDICTUC U. Id | 27 |

CHRISTUS Health <u>27</u>

| Rank | Employer Name | Job Openings |
|------|---|--------------|
| 2 | Ochsner Health System | <u>21</u> |
| 3 | Franciscan Missionaries of Our Lady Health System | <u>18</u> |
| 4 | Lafayette General Health | <u>14</u> |
| 5 | LCMC Health | <u>13</u> |
| 6 | HCA Healthcare, Inc. | <u>10</u> |
| 7 | St. Tammany Parish Hospital | <u>6</u> |
| 8 | Anders Group | <u>5</u> |
| 9 | Butterfly Effects | <u>5</u> |
| 10 | Lake Charles Memorial Health System | <u>5</u> |

Source: Online advertised jobs data

Advertised Job Skills

This section shows the top advertised detailed job skills found in job openings advertised online for Surgical Technologists in Louisiana in October, 2020. (Jobs De-duplication Level 1)

| Rank | Advertised Detailed Job Skill | Advertised Skill Group | Job Opening Match Count |
|------|----------------------------------|---|----------------------------|
| 1 | Aseptic technique | Surgical Technologist Skills | <u>109</u> |
| 2 | Knowledge of medical terminology | Medical Coding Skills | <u>54</u> |
| 3 | Customer service | Customer Service Skills | <u>38</u> |
| 4 | Skills training | Human and Social Services Skills | <u>18</u> |
| 5 | Cardiac monitoring | Cardiovascular Technician Skills | <u>17</u> |
| 6 | Organizational skills | Basic Skills | <u>15</u> |
| 7 | Improve communication | Process Improvement Skills | <u>14</u> |
| 8 | Applied Behavior Analysis | Psychiatric or Behavioral Health Technician Skills | <u>14</u> |
| 9 | Opening sterile supplies | Surgical Technologist Skills | <u>13</u> |
| 10 | Time management | Basic Skills | <u>13</u> |

Source: Online advertised jobs data

Advertised Tools and Technology

This section shows the top advertised detailed tools and technologies found in job openings advertised online for Surgical Technologists in Louisiana in October, 2020. (Jobs De-duplication Level 1)

| Rank | Advertised Detailed Tool or Technology | Advertised Tool and Technology Group | Job Opening Match Count |
|------|--|--|----------------------------|
| 1 | Sponges | Sponges | <u>76</u> |
| 2 | Personal protective equipment | Hazardous Material Protective Apparel | <u>55</u> |
| 3 | Gmail | Electronic Mail Software | <u>28</u> |
| 4 | Keyboard | Keyboards | <u>18</u> |
| | | | |

| Rank | Advertised Detailed Tool or Technology | Advertised Tool and Technology Group | Job Opening Match Count |
|------|--|--|----------------------------|
| 5 | Cardiac monitoring equipment | Cardiac Output (CO) Monitoring Units or Accessories | <u>16</u> |
| 6 | Autoclave Sterilizer | Steam Autoclaves or Sterilizers | <u>16</u> |
| 7 | Dollies | Dollies | <u>15</u> |
| 8 | Explorers | Dental Probes | <u>6</u> |
| 9 | Planes | Planes | <u>5</u> |
| 10 | Intra-aortic balloon pumps (IABP) | Intraaortic Balloon Pumps or Accessories | <u>4</u> |

Source: Online advertised jobs data

Typical Job Skills

This section shows the job skills that are related to Surgical Technologists.

| Rank | Typical Job Skills | Typical Skill Category |
|------|---|----------------------------|
| 1 | Maintain sterile operative fields | Interacting With Others |
| 2 | Maintain inventory of medical supplies or equipment | Interacting With Others |
| 3 | Assist healthcare practitioners during surgery | Interacting With Others |
| 4 | Position patients for treatment or examination | Interacting With Others |
| 5 | Protect patients or staff members using safety equipment | Mental Processes |
| 6 | Prepare biological specimens for laboratory analysis | Work Output |
| 7 | Clean medical equipment or facilities | Work Output |
| 8 | Sterilize medical equipment or instruments | Work Output |
| 9 | Adjust settings or positions of medical equipment | Work Output |
| 10 | Operate diagnostic or therapeutic medical instruments or equipment | Work Output |
| 11 | Apply bandages, dressings, or splints | Interacting With Others |
| 12 | Order medical supplies or equipment | Interacting With Others |
| 13 | Monitor patient conditions during treatments, procedures, or activities | Information Input |
| 14 | Record patient medical histories | Work Output |

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Personal Skills

This section shows the personal skills that are most useful for Surgical Technologists. Click on a link in the Personal Skills column to view more detailed information.

| Personal Skill | Skill Description | Rank by Importance (Out of 100) |
|--------------------------------------|---|---------------------------------|
| Monitoring | Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action. | 69 |
| Active Listening | Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times. | 60 |
| Operation Monitoring | Watching gauges, dials, or other indicators to make sure a machine is working properly. | 56 |
| <u>Time</u> <u>Management</u> | Managing one's own time and the time of others. | 53 |
| <u>Speaking</u> | Talking to others to convey information effectively. | 53 |
| Critical Thinking | Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems. | 53 |
| Coordination | Adjusting actions in relation to others' actions. | 53 |
| <u>Instructing</u> | Teaching others how to do something. | 50 |
| Service Orientation | Actively looking for ways to help people. | 50 |
| Complex Problem Solving | Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions. | 50 |
| Active Learning | Understanding the implications of new information for both current and future problem-solving and decision-making. | 50 |
| <u>Learning</u> <u>Strategies</u> | Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things. | 50 |
| Social Perceptiveness | Being aware of others' reactions and understanding why they react as they do. | 50 |
| Management of Material Resources | Obtaining and seeing to the appropriate use of equipment, facilities, and materials needed to do certain work. | 50 |
| Operation and Control | Controlling operations of equipment or systems. | 50 |
| Equipment Maintenance | Performing routine maintenance on equipment and determining when and what kind of maintenance is needed. | 50 |
| Reading Comprehension | Understanding written sentences and paragraphs in work related documents. | 50 |
| Judgment and Decision Making | Considering the relative costs and benefits of potential actions to choose the most appropriate one. | 50 |
| Management of Personnel Resources | Motivating, developing, and directing people as they work, identifying the best people for the job. | 47 |

| Personal Skill | Skill Description | Rank by Importance (Out of 100) |
|---|---|---------------------------------|
| Quality Control Analysis | Conducting tests and inspections of products, services, or processes to evaluate quality or performance. | 47 |
| Systems Evaluation | Identifying measures or indicators of system performance and the actions needed to improve or correct performance, relative to the goals of the system. | 47 |
| Writing | Communicating effectively in writing as appropriate for the needs of the audience. | 47 |
| Troubleshooting | Determining causes of operating errors and deciding what to do about it. | 44 |
| <u>Mathematics</u> | Using mathematics to solve problems. | 41 |
| <u>Persuasion</u> | Persuading others to change their minds or behavior. | 41 |
| Negotiation | Bringing others together and trying to reconcile differences. | 41 |
| <u>Repairing</u> | Repairing machines or systems using the needed tools. | 38 |
| <u>Systems</u> <u>Analysis</u> | Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes. | 38 |
| Equipment Selection | Determining the kind of tools and equipment needed to do a job. | 35 |
| Science | Using scientific rules and methods to solve problems. | 31 |
| <u>Operations</u> <u>Analysis</u> | Analyzing needs and product requirements to create a design. | 25 |
| Management of Financial Resources | Determining how money will be spent to get the work done, and accounting for these expenditures. | 25 |
| <u>Technology</u> <u>Design</u> | Generating or adapting equipment and technology to serve user needs. | 22 |
| <u>Programming</u> | Writing computer programs for various purposes. | 3 |
| Installation | Installing equipment, machines, wiring, or programs to meet specifications. | 0 |

Typical Education Requirements

Surgical Technologists Surgical Technologists usually require at least a Postsecondary non-degree award. However, not all employers may make this a hiring requirement.

Source: This information is based on the BLS Occupational Outlook Handbook (OOH).

Required Level of Education

This section shows the results of a national survey listing the most common required level of education for Surgical Technologists.

| Rank | Required Level of Education | Percentage of Respondents |
|------|--|---------------------------|
| 1 | Associate's Degree (or other 2-year degree) | 40.56% |
| 2 | Post-Secondary Certificate - awarded for training completed after high school (for example, in agriculture or natural resources, computer services, personal or culinary services, engineering technologies, healthcare, construction trades, mechanic and repair technologies, or precision production) | 31.22% |
| 3 | Some College Courses | 23.24% |
| 4 | High School Diploma - or the equivalent (for example, GED) | 4.98% |

On The Job Training

This section shows the results of a national survey listing the most common lengths of on the job training for Surgical Technologists.

| Rank | On The Job Training | Percentage of Respondents |
|------|--|------------------------------|
| 1 | Over 6 months, up to and including 1 year | 27.86% |
| 2 | Over 1 month, up to and including 3 months | 22.85% |
| 3 | Over 3 months, up to and including 6 months | 22.50% |
| 4 | Over 1 year, up to and including 2 years | 14.35% |
| 5 | Anything beyond short demonstration, up to and including 1 month | 7.21% |
| 6 | None or short demonstration | 5.24% |

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

On-Site or In-Plant Training

This section shows the results of a national survey listing the most common lengths of on-site or inplant training for Surgical Technologists.

| Rank | On-Site or In-Plant Training | Percentage of Respondents |
|------|---|------------------------------|
| 1 | Over 3 months, up to and including 6 months | 25.93% |
| 2 | Over 6 months, up to and including 1 year | 23.49% |
| 3 | Over 1 month, up to and including 3 months | 15.78% |
| 4 | None | 13.09% |
| 5 | Over 1 year, up to and including 2 years | 9.17% |
| 6 | Up to and including 1 month | 9.05% |
| 7 | Over 2 years, up to and including 4 years | 3.49% |

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Education Level of Jobs and Candidates

This section shows the minimum level of education requested by employers on job openings advertised online, as well as the educational attainment of potential candidates in the workforce system that are looking for jobs as Surgical Technologists in Louisiana on November 23, 2020. There were 186 job openings advertised online that did not specify a minimum education requirement (Jobs De-duplication Level <u>2</u>).

| Rank | Education Level | Job Openings | Percentage of Job Openings | Potential Candidates | Percentage of Potential Candidates |
|------|---|-----------------|----------------------------------|-------------------------|---|
| 1 | High School Diploma or Equivalent | <u>31</u> | 13.96% | 4 | 3.70% |
| 2 | 1 Year of College or a Technical or Vocational School | 0 | N/A | 9 | 8.33% |
| 3 | 2 Years of College or a Technical or Vocational School | 0 | N/A | 12 | 11.11% |
| 4 | 3 Years of College or a Technical or Vocational School | 0 | N/A | 5 | 4.63% |
| 5 | Vocational School Certificate | <u>1</u> | 0.45% | 16 | 14.81% |
| 6 | Associate's Degree | <u>4</u> | 1.80% | 52 | 48.15% |
| 7 | Bachelor's Degree | 0 | N/A | 8 | 7.41% |
| 8 | Master's Degree | 0 | N/A | 2 | 1.85% |
| 9 | Not Specified | <u>186</u> | 83.78% | 0 | N/A |

Job Source: Online advertised jobs data

Candidate Source: Individuals with active résumés in the workforce system.

Education Training Programs

This section shows the Education Training Programs for Surgical Technologists in Louisiana.

| Provider Name | Program Name | Location | Tuition | Length | WIOA Eligible |
|--|---|--------------------|---------|----------------|------------------|
| Baton Rouge Community College | Surgical Technology - Associate Science An associate degree | Baton Rouge, LA | \$6,860 | 5 Semesters | ② |

| Provider Name | Program Name | Location | Tuition | Length | WIOA Eligible |
|--|--|--------------------|----------|----------------|------------------|
| Fletcher Technical Community College | Surgical Technology An industry- recognized certificate or certification, A license recognized by the State involved or the Federal Government, An associate degree, A community college certificate of completion, A measurable skills gain leading to a credential, A measurable skills gain leading to employment | Thibodaux, LA | \$8,630 | 1765 Hours | • |
| <u>Fortis</u> <u>College</u> | <u>Surgical Technology</u> An associate degree | | \$35,905 | 84 Weeks | ② |
| <u>Herzing</u> <u>University</u> | SURGICAL TECHNOLOGY (ASST) | KENNER, LA | \$30,050 | 65 Hours | |
| Louisiana State University at Eunice | Associate of Applied Science in Surgical Technology An associate degree | Eunice, LA | \$12,420 | 5 Semesters | • |
| McCann School of Business and Technology - Monroe | Surgical Technology | Monroe, LA | \$26,208 | 8 Semesters | |
| McCann School of Business and Technology | SURGICAL TECHNOLOGY | SHREVEPORT, LA | \$22,752 | 8 Semesters | |
| Shreveport Our Lady of the Lake College | Surgical/Operating Room Technician | Baton Rouge, LA | \$14,023 | 32 Hours | |

| Provider Name | Program Name | Location | Tuition | Length | WIOA Eligible |
|--|---|-------------------|----------|----------|------------------|
| Southern University at Shreveport | Sterile Processing Technology An industry- recognized certificate or certification, A license recognized by the State involved or the Federal Government, A community college certificate of completion | SHREVEPORT, LA | \$5,000 | 27 Hours | • |
| Southern University at Shreveport | Surgical Technology An industry- recognized certificate or certification, An associate degree | SHREVEPORT, LA | \$11,000 | 72 Hours | • |

Source: U.S. Department of Commerce, Bureau of the Census, Midyear Estimates

Advertised Job Certifications

This section shows the top advertised certification groups found in job openings advertised online for Surgical Technologists in Louisiana in October, 2020. (Jobs De-duplication Level 1)

| Rank | Advertised Certification Group | Advertised Certification Sub- Category | Job Opening Match Count |
|------|---|--|----------------------------|
| 1 | American Heart Association (AHA) CPR & First Aid Certifications | Nursing | <u>187</u> |
| 2 | Nursing Credentials and Certifications | Nursing | <u>75</u> |
| 3 | Behavior Analyst Certification Board (BACB) | Counseling | <u>28</u> |
| 4 | National Board of Surgical Technology and Surgical Assisting (NBSTSA) | Medical Treatment and Therapy | <u>16</u> |
| 5 | American Association of Nurse Anesthetists (AANA) Certifications | Nursing | 2 |
| 6 | Evergreen Certifications | Medical Treatment and Therapy | 2 |

Source: Online advertised jobs data

Training Program Completers

There is no data available for Surgical Technologists in Louisiana.

National Education, Training, Licensing and Qualifications

Surgical Technologists Education

Surgical technologists typically need postsecondary education. Many community colleges and

vocational schools, as well as some universities and hospitals, have accredited programs in surgical technology. Programs range in length from several months to 2 years, and they grant a diploma, certificate, or associate's degree upon completion. Admission typically requires a high school diploma or the equivalent.

Surgical technology education includes courses in anatomy, physiology, biology, medical terminology, pharmacology, and other topics. Surgical technologists are trained in the care and safety of patients, sterilization techniques, how to set up technical or robotic equipment, and preventing and controlling infections. In addition to classroom study, students also work in supervised clinical settings to gain hands-on experience.

Surgical first assistants may complete a formal education program in surgical assisting. Others may work as surgical technologists and receive additional on-the-job training before becoming first assistants.

In 2016, there were about 500 surgical technologist programs accredited by the Commission on Accreditation of Allied Health Education Program?s (CAAHEP).

Important Qualities

Detail oriented. Surgical technologists must pay close attention to their work at all times. For example, they need to provide the correct sterile equipment for surgeons during an operation.

Dexterity. Surgical technologists should be comfortable working with their hands. They must provide needed equipment quickly.

Integrity. Because they are trusted to provide sterile supplies and quality patient care during surgical procedures, surgical technologists must be ethical and honest.

Physical stamina. Surgical technologists should be comfortable standing for extended periods.

Stress-management skills. Working in an operating room can be stressful. Surgical technologists should work well under pressure while providing a high level of care.

Licenses, Certifications, and Registrations

Certification can be beneficial in finding a job. Surgical technologists may earn certification through credentialing organizations.

Certification through the National Board of Surgical Technology and Surgical Assisting allows the use of the title "Certified Surgical Technologist (CST)." Certification typically requires completing an accredited formal education program or military training program and passing an exam.

Certification through the National Center for Competency Testing allows the use of the title "Tech in Surgery – Certified or TS-C (NCCT)." Applicants may qualify through formal education, military training, or work experience. All require documenting critical skills and passing an exam.

Both certifications require surgical technologists to complete continuing education to maintain their certification.

In addition, many jobs require technologists to become certified in CPR or basic life support (BLS), or both.

A small number of states have regulations governing the work of surgical technologists or surgical first assistants, or both.

The National Board of Surgical Technology and Surgical Assisting, the National Commission for the Certification of Surgical Assistants, and the American Board of Surgical Assistants offer certification for surgical first assistants.

Advancement

Surgical technologists may choose to advance to other healthcare occupations, such as registered nurse. Advancement to other healthcare occupations would usually require additional education, training, and/or certifications or licenses. A technologist may also choose to become a postsecondary teacher of health specialties.

Source: <u>U.S. Department of Labor Bureau of Labor Statistics</u>

Typical Work Experience Requirements

Surgical Technologists Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers. A recognized apprenticeship program may be associated with these occupations.

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Related Work Experience

This section shows the results of a national survey listing the most common related work experience for Surgical Technologists.

| Rank | Related Work Experience | Percentage of Respondents |
|------|---|------------------------------|
| 1 | Over 6 months, up to and including 1 year | 39.57% |
| 2 | Over 1 year, up to and including 2 years | 37.43% |
| 3 | None | 17.76% |
| 4 | Over 2 years, up to and including 4 years | 5.24% |

Source: This information is based on O*NET™ data. O*NET is a trademark registered to the U.S. Department of Labor, Employment and Training Administration.

Work Experience of Jobs and Candidates

This section shows the minimum required work experience requested by employers on job openings advertised online, as well as the experience level of potential candidates in the workforce system that are looking for jobs as Surgical Technologists in Louisiana on November 23, 2020. There were 188 job openings advertised online that did not specify a minimum experience requirement (Jobs Deduplication Level <u>2</u>).

| Rank | Experience | Job Openings | Percentage of Job Openings | Potential Candidates | Percentage of Potential Candidates |
|------|---------------------|-----------------|----------------------------------|-------------------------|---|
| 1 | Not Specified | 188 | 84.68% | 0 | N/A |
| 2 | Entry Level | 21 | 9.46% | 0 | N/A |
| 3 | Less than 1 year | 1 | 0.45% | 5 | 4.63% |
| 4 | 1 Year to 2 Years | 10 | 4.50% | 3 | 2.78% |
| 5 | 2 Years to 5 Years | 2 | 0.90% | 7 | 6.48% |
| 6 | 5 Years to 10 Years | 0 | N/A | 11 | 10.19% |
| 7 | More than 10 Years | 0 | N/A | 82 | 75.93% |

Current Job Order Wage Information

The employer has NOT indicated a salary range for this job. The information below shows statistics on typical salaries in the local labor market for Surgical Technologists. This data is NOT an indication of what this employer is willing to pay for this job.

Employment Wage Statistics

This section shows the estimated employment wage statistics for individuals in Louisiana employed for Surgical Technologists in 2019.

| Rate Type / Statistical Type | Entry level | Median | Experienced |
|------------------------------|-------------|----------|-------------|
| Annual wage or salary | \$27,925 | \$40,492 | \$56,703 |
| Hourly wage | \$13.43 | \$19.47 | \$27.26 |

Source: Labor Market Statistics, Occupational Employment Statistics Program
The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Entry level and Experienced wage rates represent the means of the lower 1/3 and upper 2/3 of the wage distribution, respectively. Data is from an annual survey.

Wage Rates on Advertised Jobs

This section shows a statistical breakdown of available wage data on the <u>222</u> job openings advertised online for Surgical Technologists in Louisiana that posted a salary on November 23, 2020.

| Rate Type / Statistical Type | Entry Level | Median | Experienced |
|------------------------------|--------------------|--------|-------------|
| Annual wage or salary | N/A | N/A | N/A |
| Hourly Wage | N/A | N/A | N/A |

Source: Online advertised jobs data

Note: This information is based on actual job orders and is not based on a statistically valid labor market survey. Hourly wage rate calculations in this section assume a 40 hour work week.

Desired Salary of Available Candidates

This section shows the desired salary of potential candidates in the workforce system that are looking for jobs as Surgical Technologists in Louisiana on November 23, 2020.

| Rank | Desired Salary | Potential Candidates | Percentage of Potential Candidates |
|------|---------------------|-------------------------|--|
| 1 | Not Specified | 30 | 28.30% |
| 2 | \$20,000 - \$34,999 | 30 | 28.30% |
| 3 | \$35,000 - \$49,999 | 38 | 35.85% |
| 4 | \$50,000 - \$64,999 | 8 | 7.55% |

Source: Individuals with active résumés in the workforce system.

Wage Rates Area Distribution

There is no data available for Surgical Technologists in Louisiana.

Wage Rates in Related Occupations

This section shows a comparison of 2019 median annual rates for occupations that are in the same occupational family as Surgical Technologists for Louisiana.

| Rank | Occupation | Median | *Related By |
|------|--|----------|----------------|
| 1 | Radiation Therapists • | \$70,724 | O*NET |
| 2 | Nuclear Medicine Technologists > | \$68,193 | O*NET |
| 3 | Orthotists and Prosthetists > | \$67,332 | SOC4 |
| 4 | Registered Nurses > | \$64,044 | O*NET |
| 5 | Acute Care Nurses | \$64,044 | O*NET |
| 6 | <u>Diagnostic Medical Sonographers</u> | \$62,001 | O*NET |
| 7 | Physical Therapist Assistants > | \$54,873 | O*NET |
| 8 | Respiratory Therapists > | \$54,660 | O*NET |
| 9 | Radiologic Technologists • | \$51,720 | O*NET |
| 10 | Surgical Technologists > | \$40,492 | N/A |
| 11 | <u>Licensed Practical and Licensed Vocational</u> Nurses | \$40,065 | O*NET |
| 12 | Cardiovascular Technologists and Technicians | \$37,253 | O*NET |
| 13 | Medical Appliance Technicians | \$34,012 | O*NET |
| 14 | Pharmacy Technicians > | \$33,109 | SOC4 |
| 15 | Dental Assistants | \$32,991 | O*NET |
| 16 | Police, Fire, and Ambulance Dispatchers | \$31,466 | O*NET |
| 17 | Opticians, Dispensing • | \$31,270 | SOC4 |
| 18 | Medical Equipment Preparers | \$29,569 | O*NET |
| 19 | Medical Assistants • | \$29,530 | O*NET |
| 20 | Endoscopy Technicians > | \$27,234 | O*NET |
| 21 | Psychiatric Technicians | \$26,817 | SOC4 |
| 22 | Veterinary Technologists and Technicians | \$25,902 | O*NET |
| 23 | <u>Dietetic Technicians</u> | \$25,252 | SOC4 |

BRIGHT OUTLOOK NATIONALLY

Source: Labor Market Statistics, Occupational Employment Statistics Program
The median wage is the estimated 50th percentile; 50 percent of workers in an occupation earn less than the median wage, and 50 percent earn more than the median wage. Entry level and Experienced wage rates represent the means of the lower 1/3 and upper 2/3 of the wage distribution, respectively. Data is from an annual survey.

*Related By: O*NET™ - The <u>Occupational Information Network</u>. O*NET is a registered trademark of the <u>US Department of Labor/Employment and Training Administration</u>.

SOC4 - Occupational grouping based on 1st 4 digits of the <u>Standard Occupational Classification</u> system.

Wage Rates by Industry

There is no data available for Surgical Technologists in Louisiana.

National Earnings Data Summary

Surgical Technologists The median annual wage for surgical technologists was \$45,160 in May 2016. The median wage is the wage at which half the workers in an occupation earned more than that amount and half earned less. The lowest 10 percent earned less than \$31,720, and the highest 10 percent earned more than \$64,800.

In May 2016, the median annual wages for surgical technologists in the top industries in which they worked were as follows:

Outpatient care centers \$46,960
Offices of physicians 45,730
Hospitals; state, local, and private 44,740
Offices of dentists 44,050

Most surgical technologists work full time. Surgical technologists employed in hospitals may work or be on call during nights, weekends, and holidays. They may also be required to work shifts lasting longer than 8 hours.

Source: <u>U.S. Department of Labor Bureau of Labor Statistics</u>

Occupational Employment & Future Employment Outlook

This section shows the long term employment projections for Surgical Technologists in Louisiana from 2016-2026.

| Occupation | 2016 Estimated Employment | 2026 Projected Employment | Total 2016- 2026 Employment Change | 2016-2026 Annual Avg. Percent Change |
|------------------------|---------------------------------|---------------------------------|---|---|
| Surgical Technologists | 2,124 | 2,330 | 206 | 0.93% |
| Total All | 2,034,986 | 2,203,144 | 168,158 | 0.80% |

Source: Occupational Employment Projections

Employment Data Area Distribution

This section shows the distribution of the 2016 estimated employment for Surgical Technologists in Louisiana by regional labor market area.

| Rank | Area | 2016 Estimated Employment |
|------|---|---------------------------------|
| 1 | <u>1st Regional Labor</u> <u>Market Area, New</u> <u>Orleans</u> | 604 |
| 2 | 2nd Regional Labor Market Area, Baton Rouge | 430 |
| 3 | 7th Regional Labor Market Area, Shreveport | 343 |
| 4 | <u>4th Regional Labor</u> <u>Market Area, Lafayette</u> | 243 |
| 5 | 6th Regional Labor Market Area, Alexandria | 151 |
| 6 | <u>5th Regional Labor</u> <u>Market Area, Lake</u> <u>Charles</u> | 139 |
| 7 | 8th Regional Labor Market Area, Monroe | 131 |
| 8 | <u>3rd Regional Labor</u> <u>Market Area, Houma</u> | 86 |

Source: Labor Market Statistics, Occupational Employment Projections Program

Employment Data in Related Occupations

This section shows the 2016 Estimated Employment in Louisiana for occupations related to Surgical Technologists.

| Rank | Occupation | 2016 Estimated Employment | *Related By |
|------|--|------------------------------|----------------|
| 1 | Acute Care Nurses | 44,616 | O*NET |
| 2 | Registered Nurses > | 44,616 | O*NET |
| 3 | <u>Licensed Practical and Licensed Vocational</u> Nurses | 21,051 | O*NET |
| 4 | Pharmacy Technicians > | 6,182 | SOC4 |
| 5 | Medical Assistants | 5,665 | O*NET |
| 6 | Dental Assistants | 3,665 | O*NET |
| 7 | Medical Records and Health Information <u>Technicians</u> | 2,924 | SOC4 |
| 8 | Radiologic Technologists > | 2,806 | O*NET |
| 9 | Cytogenetic Technologists > | 2,759 | SOC4 |
| 10 | <u>Cytotechnologists</u> • | 2,759 | SOC4 |
| 11 | Histotechnologists and Histologic Technicians | 2,759 | O*NET |
| 12 | Medical and Clinical Laboratory Technologists. | 2,759 | SOC4 |
| 13 | Medical and Clinical Laboratory Technicians | 2,586 | SOC4 |
| 14 | Health Technologists and Technicians, All Other | 2,346 | SOC4 |

| Rank | Occupation | 2016 Estimated Employment | *Related By |
|------|--|------------------------------|----------------|
| 15 | Neurodiagnostic Technologists > | 2,346 | SOC4 |
| 16 | Radiologic Technicians > | 2,346 | O*NET |
| 17 | Endoscopy Technicians > | 2,255 | O*NET |
| 18 | Surgical Technologists > | 2,124 | SOC4 |
| 19 | <u>Dental Hygienists</u> | 1,942 | O*NET |
| 20 | Police, Fire, and Ambulance Dispatchers | 1,577 | O*NET |
| 21 | Physical Therapist Assistants | 1,443 | O*NET |
| 22 | Psychiatric Technicians • | 1,263 | SOC4 |
| 23 | Opticians, Dispensing > | 1,243 | SOC4 |
| 24 | Veterinary Technologists and Technicians | 1,085 | O*NET |
| 25 | <u>Diagnostic Medical Sonographers</u> | 971 | O*NET |
| 26 | Cardiovascular Technologists and Technicians | 957 | O*NET |
| 27 | Occupational Health and Safety Technicians • • | 707 | O*NET |
| 28 | <u>Dietetic Technicians</u> | 538 | SOC4 |
| 29 | Respiratory Therapy Technicians | 519 | O*NET |
| 30 | Nuclear Medicine Technologists > | 439 | O*NET |
| 31 | Radiation Therapists > | 407 | O*NET |
| 32 | Medical Equipment Preparers | 331 | O*NET |
| 33 | Respiratory Therapists > | 188 | O*NET |
| 34 | Orthotists and Prosthetists > | 94 | SOC4 |
| 35 | Medical Appliance Technicians | 45 | O*NET |
| * | Emergency Medical Technicians and Paramedics | Confidential | O*NET |

BRIGHT OUTLOOK NATIONALLY FREEN OCCUPATIONS

Source: Occupational Employment Projections

Projected Annual Openings

This section shows the long term projected annual openings for Surgical Technologists in Louisiana from 2016 to 2026.

| C | Occupation | Total Annual Average Openings | Annual Average Openings Due to Growth | Annual Average Openings Due to Replacement |
|---|--|-------------------------------------|---|--|
| S | urgical Technologists | N/A | N/A | N/A |
| F | lealthcare Practitioners and Technical | N/A | N/A | N/A |

Source: Labor Market Statistics, Occupational Employment Projections Program

^{*} Rank is suppressed for confidential data.

^{*}Related By: O*NET™ - The <u>Occupational Information Network</u>. O*NET is a registered trademark of the <u>US Department of Labor/Employment and Training Administration</u>.

SOC4 - Occupational grouping based on 1st 4 digits of the <u>Standard Occupational Classification</u> system.

Projected Annual Openings Area Distribution

This section shows the distribution of the total annual average openings for Surgical Technologists in Louisiana by regional labor market area from 2016 to 2026.

| Rank | Area | Total Annual Average Openings |
|------|---|--|
| 1 | 1st Regional Labor Market Area, New Orleans | N/A |
| 2 | <u>2nd Regional Labor</u> <u>Market Area, Baton Rouge</u> | N/A |
| 3 | <u>3rd Regional Labor Market</u> <u>Area, Houma</u> | N/A |
| 4 | 4th Regional Labor Market Area, Lafayette | N/A |
| 5 | <u>5th Regional Labor Market</u> <u>Area, Lake Charles</u> | N/A |
| 6 | 6th Regional Labor Market Area, Alexandria | N/A |
| 7 | 7th Regional Labor Market Area, Shreveport | N/A |
| 8 | 8th Regional Labor Market Area, Monroe | N/A |

There is no total annual average openings data available for Surgical Technologists in Louisiana.

Source: Labor Market Statistics, Occupational Employment Projections Program

Projected Annual Openings in Related Occupations

This section shows the projected total annual average openings in Louisiana for occupations related to Surgical Technologists from 2016 to 2026.

| Rank | Occupation | Total Annual Average Openings | *Related By |
|------|--|----------------------------------|----------------|
| 1 | Acute Care Nurses | N/A | O*NET |
| 2 | Cardiovascular Technologists and Technicians | N/A | O*NET |
| 3 | Cytogenetic Technologists • | N/A | SOC4 |
| 4 | <u>Cytotechnologists</u> • | N/A | SOC4 |
| 5 | Dental Assistants | N/A | O*NET |
| 6 | <u>Dental Hygienists</u> | N/A | O*NET |
| 7 | Diagnostic Medical Sonographers > | N/A | O*NET |
| 8 | <u>Dietetic Technicians</u> | N/A | SOC4 |
| 9 | Endoscopy Technicians > | N/A | O*NET |
| 10 | Health Technologists and Technicians, All Other | N/A | SOC4 |
| 11 | Histotechnologists and Histologic Technicians | N/A | O*NET |
| 12 | <u>Licensed Practical and Licensed Vocational</u> Nurses | N/A | O*NET |
| 13 | Medical and Clinical Laboratory Technicians | N/A | SOC4 |

| Rank | Occupation | Total Annual Average Openings | *Related By |
|------|---|----------------------------------|----------------|
| 14 | Medical and Clinical Laboratory Technologists. | N/A | SOC4 |
| 15 | Medical Appliance Technicians | N/A | O*NET |
| 16 | Medical Assistants | N/A | O*NET |
| 17 | Medical Equipment Preparers | N/A | O*NET |
| 18 | Medical Records and Health Information <u>Technicians</u> | N/A | SOC4 |
| 19 | Neurodiagnostic Technologists > | N/A | SOC4 |
| 20 | Nuclear Medicine Technologists | N/A | O*NET |
| 21 | Occupational Health and Safety Technicians • • | N/A | O*NET |
| 22 | Opticians, Dispensing > | N/A | SOC4 |
| 23 | Orthotists and Prosthetists • | N/A | SOC4 |
| 24 | Pharmacy Technicians • | N/A | SOC4 |
| 25 | Physical Therapist Assistants | N/A | O*NET |
| 26 | Police, Fire, and Ambulance Dispatchers | N/A | O*NET |
| 27 | Psychiatric Technicians • | N/A | SOC4 |
| 28 | Radiation Therapists • | N/A | O*NET |
| 29 | Radiologic Technicians > | N/A | O*NET |
| 30 | Radiologic Technologists > | N/A | O*NET |
| 31 | Registered Nurses | N/A | O*NET |
| 32 | Respiratory Therapists > | N/A | O*NET |
| 33 | Respiratory Therapy Technicians | N/A | O*NET |
| 34 | Surgical Technologists > | N/A | SOC4 |
| 35 | Veterinary Technologists and Technicians | N/A | O*NET |
| * | Emergency Medical Technicians and Paramedics | Confidential | O*NET |

BRIGHT OUTLOOK NATIONALLY | GREEN OCCUPATIONS

Source: Occupational Employment Projections

Industries by Employment

This section shows the industries that employed the highest number of Surgical Technologists in Louisiana in 2016.

| Rank | Industry Title | Estimated Employment | Percent of Total Employment |
|------|---|-------------------------|-----------------------------------|
| 1 | <u>Hospitals</u> | 1,581 | 74.44% |
| 2 | Ambulatory Health Care Services | 493 | 23.21% |
| * | <u>Self-Employed and Unpaid Family Workers, Primary</u> <u>Job</u> | Confidential | Confidential |
| * | Professional, Scientific, and Technical Services | Confidential | Confidential |
| * | Educational Services | Confidential | Confidential |

^{*} Rank is suppressed for confidential data.

* Rank is suppressed for confidential data.

Source: Louisiana Workforce Commission, Occupational Projections Program

Work Activities

This section shows the most common work activities required by Surgical Technologists in order of importance. Click on a link in the Work Activity column to view more detailed information.

| Work Activity | Work Activity Description | Rank by Importance (Out of 100) |
|--|--|---------------------------------|
| <u>Getting Information</u> | Observing, receiving, and otherwise obtaining information from all relevant sources. | 88 |
| Assisting and Caring for Others | Providing personal assistance, medical attention, emotional support, or other personal care to others such as coworkers, customers, or patients. | 87 |
| Evaluating Information to Determine Compliance with Standards | Using relevant information and individual judgment to determine whether events or processes comply with laws, regulations, or standards. | 86 |
| Handling and Moving Objects | Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things. | 86 |
| Inspecting Equipment, Structures, or Material | Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects. | 85 |
| <u>Identifying Objects,</u> <u>Actions, and Events</u> | Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events. | 84 |
| Communicating with Supervisors, Peers, or Subordinates | Providing information to supervisors, co- workers, and subordinates by telephone, in written form, e-mail, or in person. | 84 |
| <u>Updating and Using</u> <u>Relevant Knowledge</u> | Keeping up-to-date technically and applying new knowledge to your job. | 78 |
| Monitor Processes, Materials, or Surroundings | Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems. | 77 |
| Making Decisions and Solving Problems | Analyzing information and evaluating results to choose the best solution and solve problems. | 73 |
| Establishing and Maintaining Interpersonal Relationships | Developing constructive and cooperative working relationships with others, and maintaining them over time. | 73 |
| Organizing, Planning, and Prioritizing Work | Developing specific goals and plans to prioritize, organize, and accomplish your work. | 69 |

| Work Activity | Work Activity Description | Rank by Importance (Out of 100) |
|---|--|---------------------------------|
| <u>Training and Teaching</u> <u>Others</u> | Identifying the educational needs of others, developing formal educational or training programs or classes, and teaching or instructing others. | 68 |
| Performing General Physical Activities | Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials. | 68 |
| Judging the Qualities of Things, Services, or People | Assessing the value, importance, or quality of things or people. | 64 |
| Coordinating the Work and Activities of Others | Getting members of a group to work together to accomplish tasks. | 61 |
| <u>Developing and Building</u> <u>Teams</u> | Encouraging and building mutual trust, respect, and cooperation among team members. | 61 |
| Coaching and Developing Others | Identifying the developmental needs of others and coaching, mentoring, or otherwise helping others to improve their knowledge or skills. | 60 |
| Interpreting the Meaning of Information for Others | Translating or explaining what information means and how it can be used. | 59 |
| Processing Information | Compiling, coding, categorizing, calculating, tabulating, auditing, or verifying information or data. | 59 |
| Documenting/Recording Information | Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form. | 59 |
| Controlling Machines and Processes | Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles). | 55 |
| Thinking Creatively | Developing, designing, or creating new applications, ideas, relationships, systems, or products, including artistic contributions. | 51 |
| Resolving Conflicts and Negotiating with Others | Handling complaints, settling disputes, and resolving grievances and conflicts, or otherwise negotiating with others. | 51 |
| Estimating the Quantifiable Characteristics of Products, Events, or Information | Estimating sizes, distances, and quantities; or determining time, costs, resources, or materials needed to perform a work activity. | 50 |
| Scheduling Work and Activities | Scheduling events, programs, and activities, as well as the work of others. | 50 |

| Work Activity | Work Activity Description | Rank by Importance (Out of 100) |
|---|--|---------------------------------|
| Performing for or Working Directly with the Public | Performing for people or dealing directly with the public. This includes serving customers in restaurants and stores, and receiving clients or guests. | 50 |
| <u>Developing Objectives</u> <u>and Strategies</u> | Establishing long-range objectives and specifying the strategies and actions to achieve them. | 47 |
| Analyzing Data or Information | Identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts. | 46 |
| Interacting With Computers | Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information. | 46 |
| Guiding, Directing, and Motivating Subordinates | Providing guidance and direction to subordinates, including setting performance standards and monitoring performance. | 45 |
| Monitoring and Controlling Resources | Monitoring and controlling resources and overseeing the spending of money. | 44 |
| Repairing and Maintaining Electronic Equipment | Servicing, repairing, calibrating, regulating, fine-tuning, or testing machines, devices, and equipment that operate primarily on the basis of electrical or electronic (not mechanical) principles. | 44 |
| Repairing and Maintaining Mechanical Equipment | Servicing, repairing, adjusting, and testing machines, devices, moving parts, and equipment that operate primarily on the basis of mechanical (not electronic) principles. | 43 |
| Provide Consultation and Advice to Others | Providing guidance and expert advice to management or other groups on technical, systems-, or process-related topics. | 41 |
| <u>Drafting, Laying Out,</u> <u>and Specifying Technical</u> <u>Devices, Parts, and</u> <u>Equipment</u> | Providing documentation, detailed instructions, drawings, or specifications to tell others about how devices, parts, equipment, or structures are to be fabricated, constructed, assembled, modified, maintained, or used. | 36 |
| Communicating with Persons Outside Organization | Communicating with people outside the organization, representing the organization to customers, the public, government, and other external sources. This information can be exchanged in person, in writing, or by telephone or email. | 35 |
| Operating Vehicles, Mechanized Devices, or Equipment | Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles, aircraft, or water craft. | 29 |

| Work Activity | Work Activity Description | Rank by Importance (Out of 100) |
|--------------------------------------|--|---------------------------------|
| Performing Administrative Activities | Performing day-to-day administrative tasks such as maintaining information files and processing paperwork. | 26 |
| Staffing Organizational Units | Recruiting, interviewing, selecting, hiring, and promoting employees in an organization. | 25 |

Tasks

This section shows the most common tasks required by Surgical Technologists in order of importance. Click on a link in the Task column to view more detailed information.

| Tasks | Task Description | Rank by Importance (Out of 100) |
|---|---------------------|---------------------------------|
| Maintain a proper sterile field during surgical procedures. | Core | 98 |
| Count sponges, needles, and instruments before and after operation. | Core | 97 |
| Scrub arms and hands and assist the surgical team to scrub and put on gloves, masks, and surgical clothing. | Core | 96 |
| Provide technical assistance to surgeons, surgical nurses, or anesthesiologists. | Core | 95 |
| Prepare patients for surgery, including positioning patients on the operating table and covering them with sterile surgical drapes to prevent exposure. | Core | 95 |
| Hand instruments and supplies to surgeons and surgeons' assistants, hold retractors and cut sutures, and perform other tasks as directed by surgeon during operation. | Core | 94 |
| Prepare, care for, and dispose of tissue specimens taken for laboratory analysis. | Core | 93 |
| Wash and sterilize equipment, using germicides and sterilizers. | Core | 93 |
| Monitor and continually assess operating room conditions, including patient and surgical team needs. | Core | 93 |
| Operate, assemble, adjust, or monitor sterilizers, lights, suction machines, or diagnostic equipment to ensure proper operation. | Core | 92 |
| Prepare dressings or bandages and apply or assist with their application following surgery. | Core | 92 |
| Clean and restock operating room, gathering and placing equipment and supplies and arranging instruments according to instructions, such as a preference card. | Core | 91 |
| Order surgical supplies. | Core | 86 |
| Observe patients' vital signs to assess physical condition. | Core | 81 |

| Tasks | Task Description | Rank by Importance (Out of 100) |
|--|---------------------|---------------------------------|
| Maintain supply of fluids, such as plasma, saline, blood, or glucose, for use during operations. | Supplemental | 86 |
| Maintain files and records of surgical procedures. | Supplemental | 76 |

National Working Conditions

Surgical Technologists Surgical technologists are trained to maintain the sterile field, preventing the risk of infection during surgery.

Surgical technologists held about 107,700 jobs in 2016. The largest employers of surgical technologists were as follows:

Hospitals; state, local, and private 71% Offices of physicians 11 Outpatient care centers 11 Offices of dentists 4

Ambulatory surgical centers are included in outpatient care centers.

Surgical technologists wear scrubs (special sterile clothing) while they are in the operating room. Their work may be physically demanding, requiring them to be on their feet for long periods. Surgical technologists also may need to help move patients or lift heavy trays of medical supplies. At times, they may be exposed to communicable diseases and unpleasant sights, odors, and materials.

Work Schedules

Most surgical technologists work full time. Surgical technologists employed in hospitals may work or be on call during nights, weekends, and holidays. They may also be required to work shifts lasting longer than 8 hours.

Source: <u>U.S. Department of Labor Bureau of Labor Statistics</u>

Typical Work Conditions

This section shows the most common work conditions required by Surgical Technologists in order of importance.

| Work Condition | Work Condition Description | Rank by Importance (Out of 100) |
|---------------------------------------|---|---------------------------------|
| Physical Proximity | To what extent does this job require the worker to perform job tasks in close physical proximity to other people? | 99 |
| Importance of Being Exact or Accurate | How important is being very exact or highly accurate in performing this job? | 97 |
| Work With Work Group or Team | How important is it to work with others in a group or team in this job? | 96 |
| Contact With Others | How much does this job require the worker to be in contact with others (face-to-face, by telephone, or otherwise) in order to perform it? | 92 |

| Work Condition | Work Condition Description | Rank by Importance (Out of 100) |
|--|--|---------------------------------|
| Spend Time Using Your Hands to Handle, Control, or Feel Objects, Tools, or Controls | How much does this job require using your hands to handle, control, or feel objects, tools or controls? | 92 |
| Frequency of Decision Making | How frequently is the worker required to make decisions that affect other people, the financial resources, and/or the image and reputation of the organization? | 92 |
| Indoors, Environmentally Controlled | How often does this job require working indoors in environmentally controlled conditions? | 90 |
| Wear Common Protective or Safety Equipment such as Safety Shoes, Glasses, Gloves, Hearing Protection, Hard Hats, or Life Jackets | How much does this job require wearing common protective or safety equipment such as safety shoes, glasses, gloves, hard hats or life jackets? | 89 |
| Impact of Decisions on Co- workers or Company Results | What results do your decisions usually have on other people or the image or reputation or financial resources of your employer? | 88 |
| Face-to-Face Discussions | How often do you have to have face- to-face discussions with individuals or teams in this job? | 88 |
| Responsible for Others' Health and Safety | How much responsibility is there for the health and safety of others in this job? | 84 |
| Exposed to Disease or Infections | How often does this job require exposure to disease/infections? | 82 |
| Spend Time Standing | How much does this job require standing? | 82 |
| Consequence of Error | How serious would the result usually be if the worker made a mistake that was not readily correctable? | 82 |
| Exposed to Contaminants | How often does this job require working exposed to contaminants (such as pollutants, gases, dust or odors)? | 81 |
| Structured versus Unstructured Work | To what extent is this job structured for the worker, rather than allowing the worker to determine tasks, priorities, and goals? | 78 |
| Deal With External Customers | How important is it to work with external customers or the public in this job? | 76 |
| Importance of Repeating Same Tasks | How important is repeating the same physical activities (e.g., key entry) or mental activities (e.g., checking entries in a ledger) over and over, without stopping, to performing this job? | 75 |

| Work Condition | Work Condition Description | Rank by Importance (Out of 100) |
|---|--|---------------------------------|
| Responsibility for Outcomes and Results | How responsible is the worker for work outcomes and results of other workers? | 75 |
| Telephone | How often do you have telephone conversations in this job? | 74 |
| Coordinate or Lead Others | How important is it to coordinate or lead others in accomplishing work activities in this job? | 74 |
| Time Pressure | How often does this job require the worker to meet strict deadlines? | 71 |
| Freedom to Make Decisions | How much decision making freedom, without supervision, does the job offer? | 70 |
| Spend Time Making Repetitive Motions | How much does this job require making repetitive motions? | 67 |
| Wear Specialized Protective or Safety Equipment such as Breathing Apparatus, Safety Harness, Full Protection Suits, or Radiation Protection | How much does this job require wearing specialized protective or safety equipment such as breathing apparatus, safety harness, full protection suits, or radiation protection? | 66 |
| Exposed to Hazardous Conditions | How often does this job require exposure to hazardous conditions? | 59 |
| Level of Competition | To what extent does this job require the worker to compete or to be aware of competitive pressures? | 55 |
| Spend Time Walking and Running | How much does this job require walking and running? | 54 |
| Deal With Unpleasant or Angry People | How frequently does the worker have to deal with unpleasant, angry, or discourteous individuals as part of the job requirements? | 53 |
| Electronic Mail | How often do you use electronic mail in this job? | 53 |
| Cramped Work Space, Awkward Positions | How often does this job require working in cramped work spaces that requires getting into awkward positions? | 52 |
| Spend Time Bending or Twisting the Body | How much does this job require bending or twisting your body? | 51 |
| Frequency of Conflict Situations | How often are there conflict situations the employee has to face in this job? | 50 |
| Exposed to Minor Burns, Cuts, Bites, or Stings | How often does this job require exposure to minor burns, cuts, bites, or stings? | 50 |
| Exposed to Hazardous Equipment | How often does this job require exposure to hazardous equipment? | 47 |
| Exposed to Radiation | How often does this job require exposure to radiation? | 43 |

| Work Condition | Work Condition Description | Rank by Importance (Out of 100) |
|---|---|---------------------------------|
| Sounds, Noise Levels Are Distracting or Uncomfortable | How often does this job require working exposed to sounds and noise levels that are distracting or uncomfortable? | 41 |
| Letters and Memos | How often does the job require written letters and memos? | 40 |
| Extremely Bright or Inadequate Lighting | How often does this job require working in extremely bright or inadequate lighting conditions? | 36 |
| Spend Time Keeping or Regaining Balance | How much does this job require keeping or regaining your balance? | 32 |
| Spend Time Sitting | How much does this job require sitting? | 29 |
| Degree of Automation | How automated is the job? | 22 |
| Pace Determined by Speed of Equipment | How important is it to this job that the pace is determined by the speed of equipment or machinery? (This does not refer to keeping busy at all times on this job.) | 22 |
| Spend Time Kneeling, Crouching, Stooping, or Crawling | How much does this job require kneeling, crouching, stooping or crawling? | 20 |

Work Values and Needs

This section shows the information on the current work values for your selected occupation.

| Work Value | Work Value Description | Rank By Extent (Out of 100) |
|-----------------------|--|-----------------------------|
| Relationships | Occupations that satisfy this work value allow employees to provide service to others and work with co-workers in a friendly non-competitive environment. Corresponding needs are Co-workers, Moral Values and Social Service. | 83 |
| Support | Occupations that satisfy this work value offer supportive management that stands behind employees. Corresponding needs are Company Policies, Supervision: Human Relations and Supervision: Technical. | 83 |
| Achievement | Occupations that satisfy this work value are results oriented and allow employees to use their strongest abilities, giving them a feeling of accomplishment. Corresponding needs are Ability Utilization and Achievement. | 61 |
| Working Conditions | Occupations that satisfy this work value offer job security and good working conditions. Corresponding needs are Activity, Compensation, Independence, Security, Variety and Working Conditions. | 56 |

| Work Value | Work Value Description | Rank By Extent (Out of 100) |
|--------------|--|-----------------------------|
| Recognition | Occupations that satisfy this work value offer advancement, potential for leadership, and are often considered prestigious. Corresponding needs are Advancement, Authority, Recognition and Social Status. | 50 |
| Independence | Occupations that satisfy this work value allow employees to work on their own and make decisions. Corresponding needs are Creativity, Responsibility and Autonomy. | 45 |

Typical Tools

This section shows common tools used by Surgical Technologists.

| Detailed Tool | Tool Group |
|--|---|
| Defibrillators | Automated external defibrillators AED or hard paddles |
| Autotransfusion systems | Autotransfusion units |
| Cell savers | Autotransfusion units |
| Autologous blood recovery systems | Blood recovery and delivery systems |
| Doppler ultrasound equipment | Cardiac ultrasound or doppler or echo units or cardioscopes |
| Internal mammary artery IMA retractors | Cardiovascular or thoracic retractors |
| Central venous catheters | Central venous catheters |
| Ethylene oxide sterilizers | Chemical or gas sterilizers |
| Sterad machines | Chemical or gas sterilizers |
| Cardiovascular stents | Coronary stent |
| Cryo units | Cryosurgery equipment or accessories |
| Cryo-ophthalmic units | Cryosurgery equipment or accessories |
| Desktop computers | Desktop computers |
| Electronic blood pressure cuffs | Electronic blood pressure units |
| Argon beam coagulators | Electrosurgical or electrocautery equipment |
| Digital electrosurgical units | Electrosurgical or electrocautery equipment |
| Electrocautery equipment | Electrosurgical or electrocautery equipment |
| Electrosurgical grounding pads | Electrosurgical or electrocautery equipment |
| Electrosurgical monitors | Electrosurgical or electrocautery equipment |
| Electrosurgical units | Electrosurgical or electrocautery equipment |
| Spark-gap electrosurgical units | Electrosurgical or electrocautery equipment |
| Thermal cautery units | Electrosurgical or electrocautery equipment |
| Graspers | Endoscopic clamp or dissector or grasper or forceps |
| Endoscopy equipment | Endoscopic equipment or procedure carts or accessories |

| Detailed Tool | Tool Group |
|--|--|
| Endoscopic camera/video systems | Endoscopic video cameras or recorders or adapters or accessories |
| Eye magnets | Eyemagnets for ophthalmic surgery |
| Anesthesia machines | Gas anesthesia apparatus |
| Coronary bypass pumps | Heart and lung machines or accessories |
| Adjustable height instrument tables | Instrument tables for surgical or obstetrical delivery use or accessories or related products |
| Instrument tables | Instrument tables for surgical or obstetrical delivery use or accessories or related products |
| Motorized lift tables | Instrument tables for surgical or obstetrical delivery use or accessories or related products |
| Blood/fluid warmers | Intravenous or arterial fluid warmers or accessories |
| Mayo stands | Lap mayo trays or mayo stands for surgical use or accessories |
| Laparoscopes | Laparoscopes or laparoscopic telescopes |
| Fluoroscopy equipment | Medical cine fluoroscopy equipment |
| Washer sanitizers | Medical equipment and instrument disinfectant washing equipment |
| Fiber optic luminators | Medical exam headlights or headlamps or accessories |
| Digital Imaging Communications in Medicine DICOM diagnostic medical printers | Medical imaging dry laser printers or imagers |
| Medical imagining laser printers | Medical imaging dry laser printers or imagers |
| Wound drains | Medical incision drains |
| Medical image database systems | Medical picture archiving computer systems PACS |
| Skin staplers | Medical stapler for external use |
| Hemorrhoidal circular staplers | Medical stapler for internal use |
| Intestinal stapling devices | Medical stapler for internal use |
| Intraluminal staplers | Medical stapler for internal use |
| Linear staplers | Medical stapler for internal use |
| Surgical stapling equipment | Medical stapler for internal use |
| Syringes | Medical syringe without needle |
| X ray machines | Medical x ray units for general diagnostic use |
| Manual blood pressure units | Mercury blood pressure units |
| Notebook computers | Notebook computers |
| Fracture tables | Operating room patient fracture tables or orthopedic tables or accessories or related products |
| Orthopedic arm boards with drains | Operating room patient fracture tables or orthopedic tables or accessories or related products |
| Cardiac leg wedges | Operating room patient positioning devices or accessories |
| Positioning equipment | Operating room patient positioning devices or accessories |
| Insufflators | Oxygen insufflator or its accessories |

Detailed Tool Tool Group

Stretchers Patient stretchers or stretcher accessories

Personal computers Personal computers

Chest drains Pleural cavity drainage unit or container or accessories

Pulmonary resuscitators Resuscitation kits

Lab specimen containers

Autoclaves

Flash autoclaves

Steam autoclaves or sterilizers

Steam autoclaves or sterilizers

Washer sterilizers

Steam autoclaves or sterilizers

Steri-vac aeration cabinets Sterilization cabinets

Surgical clamps Surgical clamps or clips or forceps or accessories

Surgical forceps

Surgical clamps or clips or forceps or accessories

Master control units or manipulators

Remote manipulation robots

Surgical controller instruments

Surgical controller instruments

Surgical controller instruments

Surgical navigation systems

Surgical controller instruments

Dermatome blades Surgical dermatomes or dermabraders or

dermameshers or accessories

Dermatomes Surgical dermatomes or dermabraders or

dermameshers or accessories

Surgical dilators Surgical dilators or accessories

Surgical dissectors Surgical dissectors

Surgical drains Surgical drains or sets or accessories

Surgical drapes Surgical drapes

Kleinert-Kutz elevators Surgical elevators or levers
Surgical elevators Surgical elevators or levers

Ring stands Surgical equipment stands or accessories

Instrument positioning equipment Surgical instrument holders or positioners

Carbon dioxide CO2 lasers

Surgical lasers or accessories

Eye lasers

Surgical lasers or accessories

Neodymium-doped Yttrium Aluminum

Garnet Nd:YAG lasers

Surgical lasers or accessories

Surgical lasers Surgical lasers or accessories

Lithotripters Surgical lithotripters or accessories

Loupes Surgical microscopes or loops or magnifiers or

accessories

Microscopes Surgical microscopes or loops or magnifiers or

accessories

Needle holders Surgical needle holders for general use

Nerve stimulators Surgical nerve stimulators or accessories

Cholangiocath catheters Surgical or endoscopic catheters or catheterization kits

or drainage bags

| Detailed Tool | Tool Group |
|----------------------------------|---|
| Air driver drills | Surgical pneumatic or battery or electric saws or drills or pin drivers or accessories |
| Craniotome drills | Surgical pneumatic or battery or electric saws or drills or pin drivers or accessories |
| Minidriver drills | Surgical pneumatic or battery or electric saws or drills or pin drivers or accessories |
| Neurotome drills | Surgical pneumatic or battery or electric saws or drills or pin drivers or accessories |
| Orthopedic drills | Surgical pneumatic or battery or electric saws or drills or pin drivers or accessories |
| Sternal saws | Surgical pneumatic or battery or electric saws or drills or pin drivers or accessories |
| Surgical drills | Surgical pneumatic or battery or electric saws or drills or pin drivers or accessories |
| Surgical pneumatic drills | Surgical pneumatic or battery or electric saws or drills or pin drivers or accessories |
| Pneumatic tourniquets | Surgical pneumatic or electric tourniquets or accessories |
| Robotic arms | Surgical power equipment sets or accessories |
| Surgical robotics equipment | Surgical power equipment sets or accessories |
| Surgical robots | Surgical power equipment sets or accessories |
| Voice activated surgical systems | Surgical power equipment sets or accessories |
| Surgical probes | Surgical probes or directors |
| Retractors | Surgical retractors for general use |
| Surgical retractors | Surgical retractors for general use |
| Scalpels | Surgical scalpels or knives or blades or trephines or accessories |
| Smoke evacuators | Surgical smoke evacuators or accessories |
| Cavitrons | Surgical suction machines or vacuum extractors or ultrasonic surgical aspirators or regulators or accessories |
| Continuous suction machines | Surgical suction machines or vacuum extractors or ultrasonic surgical aspirators or regulators or accessories |
| Foot-operated suction units | Surgical suction machines or vacuum extractors or ultrasonic surgical aspirators or regulators or accessories |
| Ohio suction units | Surgical suction machines or vacuum extractors or ultrasonic surgical aspirators or regulators or accessories |
| Portable suction units | Surgical suction machines or vacuum extractors or ultrasonic surgical aspirators or regulators or accessories |
| Slow suction units | Surgical suction machines or vacuum extractors or ultrasonic surgical aspirators or regulators or accessories |

| Detailed Tool | Tool Group |
|--------------------------------------|---|
| Suction machines | Surgical suction machines or vacuum extractors or ultrasonic surgical aspirators or regulators or accessories |
| Surgical aspirators | Surgical suction machines or vacuum extractors or ultrasonic surgical aspirators or regulators or accessories |
| Surgical tubing or irrigation tubing | Surgical suction or irrigation tubing or accessories |
| Vacuum extractors | Surgical vacuum extraction devices or curettes or related products |
| Suture needles | Suture needles |
| Suturing kits | Suturing kits or trays or packs or sets |
| Suturing needle forceps | Suturing kits or trays or packs or sets |
| Tablet computers | Tablet computers |
| Warm air blankets | Therapeutic heating or cooling blankets or drapes |
| Hyper/hypothermia units | Therapeutic heating or cooling units or systems |
| Tourniquets | Tourniquets |
| Tracheostomy tubes | Tracheostomy tubes |
| Ultrasonic cleaners | Ultrasonic cleaning equipment |
| Venodynes | Vascular sequential compression devices or tubing |
| Endoscopic vein harvesting equipment | Vein harvest kit or system |
| Video cassette recorders VCR | Video cassette players or recorders |
| Wheelchairs | Wheelchairs |

Typical Technology

This section shows common technology used by Surgical Technologists.

| Detailed Technology | Technology Group |
|---|---|
| Database software | Data base user interface and query software |
| Email software | Electronic mail software |
| Graphics software | Graphics or photo imaging software |
| Internet browser software | Internet browser software |
| Electronic medical record EMR software | Medical software |
| MEDITECH software | Medical software |
| Nursing documentation software | Medical software |
| Patient scheduling software | Medical software |
| Patient tracking software | Medical software |
| Supply documentation software | Medical software |
| Surgery workflow communication software | Medical software |
| Google Drive | Office suite software |
| Microsoft Office | Office suite software |
| | |

| Detailed Technology | Technology Group |
|----------------------------|---------------------------|
| Microsoft Windows | Operating system software |
| Microsoft Excel | Spreadsheet software |
| Microsoft Word | Word processing software |
| Word processing software | Word processing software |

Licensing Information

There is no data available for Surgical Technologists in Louisiana.

Typical Knowledge Categories

This section shows the most common knowledge categories required by Surgical Technologists in order of importance. Click on a link in the Knowledge Category column to view more detailed information.

| Knowledge Category | Knowledge Category Description | Rank by Importance (Out of 100) |
|----------------------------------|--|---------------------------------|
| Customer and Personal Service | Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction. | 68 |
| Medicine and Dentistry | Knowledge of the information and techniques needed to diagnose and treat human injuries, diseases, and deformities. This includes symptoms, treatment alternatives, drug properties and interactions, and preventive health-care measures. | 68 |
| English Language | Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar. | 61 |
| <u>Psychology</u> | Knowledge of human behavior and performance; individual differences in ability, personality, and interests; learning and motivation; psychological research methods; and the assessment and treatment of behavioral and affective disorders. | 47 |
| Public Safety and Security | Knowledge of relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions. | 47 |
| <u>Biology</u> | Knowledge of plant and animal organisms, their tissues, cells, functions, interdependencies, and interactions with each other and the environment. | 45 |
| <u>Mathematics</u> | Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications. | 43 |
| Computers and Electronics | Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming. | 42 |

| Knowledge Category | Knowledge Category Description | Rank by Importance (Out of 100) |
|-------------------------------------|--|---------------------------------|
| Administration and Management | Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources. | 39 |
| <u>Chemistry</u> | Knowledge of the chemical composition, structure, and properties of substances and of the chemical processes and transformations that they undergo. This includes uses of chemicals and their interactions, danger signs, production techniques, and disposal methods. | 36 |
| Production and Processing | Knowledge of raw materials, production processes, quality control, costs, and other techniques for maximizing the effective manufacture and distribution of goods. | 35 |
| Mechanical | Knowledge of machines and tools, including their designs, uses, repair, and maintenance. | 34 |
| Law and Government | Knowledge of laws, legal codes, court procedures, precedents, government regulations, executive orders, agency rules, and the democratic political process. | 31 |
| Personnel and Human Resources | Knowledge of principles and procedures for personnel recruitment, selection, training, compensation and benefits, labor relations and negotiation, and personnel information systems. | 31 |
| Therapy and Counseling | Knowledge of principles, methods, and procedures for diagnosis, treatment, and rehabilitation of physical and mental dysfunctions, and for career counseling and guidance. | 31 |
| Sociology and Anthropology | Knowledge of group behavior and dynamics, societal trends and influences, human migrations, ethnicity, cultures and their history and origins. | 29 |
| Clerical | Knowledge of administrative and clerical procedures and systems such as word processing, managing files and records, stenography and transcription, designing forms, and other office procedures and terminology. | 28 |
| Communications and Media | Knowledge of media production, communication, and dissemination techniques and methods. This includes alternative ways to inform and entertain via written, oral, and visual media. | 25 |
| Engineering and Technology | Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services. | 25 |

Typical Work Abilities Required

This section shows the results of a national survey listing the most common work abilities required by Surgical Technologists in order of importance. Click on a link in the Work Ability column to view more detailed information.

| Work Ability | Work Ability Description | Rank by Importance (Out of 100) |
|---------------------------------------|--|---------------------------------|
| Oral Comprehension | The ability to listen to and understand information and ideas presented through spoken words and sentences. | 75 |
| Near Vision | The ability to see details at close range (within a few feet of the observer). | 69 |
| Problem Sensitivity | The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem. | 69 |
| Speech Recognition | The ability to identify and understand the speech of another person. | 66 |
| Arm-Hand Steadiness | The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position. | 63 |
| Manual Dexterity | The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects. | 60 |
| Selective Attention | The ability to concentrate on a task over a period of time without being distracted. | 60 |
| Information Ordering | The ability to arrange things or actions in a certain order or pattern according to a specific rule or set of rules (e.g., patterns of numbers, letters, words, pictures, mathematical operations). | 56 |
| Oral Expression | The ability to communicate information and ideas in speaking so others will understand. | 56 |
| Perceptual Speed | The ability to quickly and accurately compare similarities and differences among sets of letters, numbers, objects, pictures, or patterns. The things to be compared may be presented at the same time or one after the other. This ability also includes comparing a presented object with a remembered object. | 56 |
| Flexibility of Closure | The ability to identify or detect a known pattern (a figure, object, word, or sound) that is hidden in other distracting material. | 53 |
| Number Facility | The ability to add, subtract, multiply, or divide quickly and correctly. | 53 |
| Speech Clarity | The ability to speak clearly so others can understand you. | 53 |
| Visual Color Discrimination | The ability to match or detect differences between colors, including shades of color and brightness. | 53 |
| <u>Category</u> <u>Flexibility</u> | The ability to generate or use different sets of rules for combining or grouping things in different ways. | 50 |
| Control Precision | The ability to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions. | 50 |

| Work Ability | Work Ability Description | Rank by Importance (Out of 100) |
|--------------------------------------|--|---------------------------------|
| <u>Deductive</u> <u>Reasoning</u> | The ability to apply general rules to specific problems to produce answers that make sense. | 50 |
| <u>Far Vision</u> | The ability to see details at a distance. | 50 |
| Finger Dexterity | The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects. | 50 |
| Inductive Reasoning | The ability to combine pieces of information to form general rules or conclusions (includes finding a relationship among seemingly unrelated events). | 50 |
| Multilimb Coordination | The ability to coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down. It does not involve performing the activities while the whole body is in motion. | 50 |
| <u>Trunk Strength</u> | The ability to use your abdominal and lower back muscles to support part of the body repeatedly or continuously over time without 'giving out' or fatiguing. | 50 |
| Visualization | The ability to imagine how something will look after it is moved around or when its parts are moved or rearranged. | 50 |
| Written Comprehension | The ability to read and understand information and ideas presented in writing. | 50 |
| Written Expression | The ability to communicate information and ideas in writing so others will understand. | 50 |
| Auditory Attention | The ability to focus on a single source of sound in the presence of other distracting sounds. | 47 |
| Fluency of Ideas | The ability to come up with a number of ideas about a topic (the number of ideas is important, not their quality, correctness, or creativity). | 47 |
| <u>Hearing</u> <u>Sensitivity</u> | The ability to detect or tell the differences between sounds that vary in pitch and loudness. | 47 |
| Time Sharing | The ability to shift back and forth between two or more activities or sources of information (such as speech, sounds, touch, or other sources). | 47 |
| <u>Depth</u> <u>Perception</u> | The ability to judge which of several objects is closer or farther away from you, or to judge the distance between you and an object. | 44 |
| Extent Flexibility | The ability to bend, stretch, twist, or reach with your body, arms, and/or legs. | 44 |
| Memorization | The ability to remember information such as words, numbers, pictures, and procedures. | 44 |
| Speed of Closure | The ability to quickly make sense of, combine, and organize information into meaningful patterns. | 44 |
| Static Strength | The ability to exert maximum muscle force to lift, push, pull, or carry objects. | 44 |
| Mathematical Reasoning | The ability to choose the right mathematical methods or formulas to solve a problem. | 38 |

| Work Ability | Work Ability Description | Rank by Importance (Out of 100) |
|-------------------------------------|--|---------------------------------|
| <u>Originality</u> | The ability to come up with unusual or clever ideas about a given topic or situation, or to develop creative ways to solve a problem. | 38 |
| <u>Stamina</u> | The ability to exert yourself physically over long periods of time without getting winded or out of breath. | 35 |
| Response Orientation | The ability to choose quickly between two or more movements in response to two or more different signals (lights, sounds, pictures). It includes the speed with which the correct response is started with the hand, foot, or other body part. | 31 |
| <u>Dynamic</u> <u>Strength</u> | The ability to exert muscle force repeatedly or continuously over time. This involves muscular endurance and resistance to muscle fatigue. | 25 |
| Gross Body Coordination | The ability to coordinate the movement of your arms, legs, and torso together when the whole body is in motion. | 25 |
| Gross Body Equilibrium | The ability to keep or regain your body balance or stay upright when in an unstable position. | 25 |
| Rate Control | The ability to time your movements or the movement of a piece of equipment in anticipation of changes in the speed and/or direction of a moving object or scene. | 25 |
| Reaction Time | The ability to quickly respond (with the hand, finger, or foot) to a signal (sound, light, picture) when it appears. | 25 |
| Speed of Limb Movement | The ability to quickly move the arms and legs. | 25 |
| <u>Wrist-Finger</u> <u>Speed</u> | The ability to make fast, simple, repeated movements of the fingers, hands, and wrists. | 25 |
| Glare Sensitivity | The ability to see objects in the presence of glare or bright lighting. | 13 |
| Sound Localization | The ability to tell the direction from which a sound originated. | 3 |
| Spatial Orientation | The ability to know your location in relation to the environment or to know where other objects are in relation to you. | 3 |

Typical Work Interests

This section shows the results of a national survey listing the most common work interests for Surgical Technologists in order of importance.

| Work Interest | Work Interest Description | Rank by Importance (Out of 100) |
|------------------|---------------------------|---------------------------------|
| | | |

| Work Interest | Work Interest Description | Rank by Importance (Out of 100) |
|------------------|--|---------------------------------|
| Realistic | Realistic occupations frequently involve work activities that include practical, hands-on problems and solutions. They often deal with plants, animals, and real-world materials like wood, tools, and machinery. Many of the occupations require working outside, and do not involve a lot of paperwork or working closely with others. | 83 |
| Social | Social occupations frequently involve working with, communicating with, and teaching people. These occupations often involve helping or providing service to others. | 67 |
| Conventional | Conventional occupations frequently involve following set procedures and routines. These occupations can include working with data and details more than with ideas. Usually there is a clear line of authority to follow. | 50 |

Typical Work Styles

This section shows the most common work styles required by Surgical Technologists in order of importance. Click on a link in the Work Style column to view more detailed information.

| Work Style | Work Style Description | Rank by Importance (Out of 100) |
|--------------------------|--|---------------------------------|
| Attention to Detail | Job requires being careful about detail and thorough in completing work tasks. | 93 |
| <u>Dependability</u> | Job requires being reliable, responsible, and dependable, and fulfilling obligations. | 91 |
| Self Control | Job requires maintaining composure, keeping emotions in check, controlling anger, and avoiding aggressive behavior, even in very difficult situations. | 90 |
| <u>Integrity</u> | Job requires being honest and ethical. | 89 |
| Stress Tolerance | Job requires accepting criticism and dealing calmly and effectively with high stress situations. | 87 |
| Adaptability/Flexibility | Job requires being open to change (positive or negative) and to considerable variety in the workplace. | 84 |
| Concern for Others | Job requires being sensitive to others' needs and feelings and being understanding and helpful on the job. | 82 |
| <u>Initiative</u> | Job requires a willingness to take on responsibilities and challenges. | 82 |
| <u>Independence</u> | Job requires developing one's own ways of doing things, guiding oneself with little or no supervision, and depending on oneself to get things done. | 82 |

| Work Style | Work Style Description | Rank by Importance (Out of 100) |
|---------------------|--|---------------------------------|
| Cooperation | Job requires being pleasant with others on the job and displaying a good-natured, cooperative attitude. | 81 |
| Achievement/Effort | Job requires establishing and maintaining personally challenging achievement goals and exerting effort toward mastering tasks. | 75 |
| Social Orientation | Job requires preferring to work with others rather than alone, and being personally connected with others on the job. | 73 |
| Analytical Thinking | Job requires analyzing information and using logic to address work-related issues and problems. | 71 |
| Innovation | Job requires creativity and alternative thinking to develop new ideas for and answers to work-related problems. | 69 |
| <u>Persistence</u> | Job requires persistence in the face of obstacles. | 68 |
| <u>Leadership</u> | Job requires a willingness to lead, take charge, and offer opinions and direction. | 64 |

Related Occupations

This section shows a list of occupations related to Surgical Technologists. Click an occupation title to see more information about that occupation.

| Rank | Related Occupations | Duties | *Related By |
|------|---|---|----------------|
| 1 | <u>Cytogenetic</u> <u>Technologists</u> | Analyze chromosomes found in biological specimens such as amniotic fluids, bone marrow, and blood to aid in the study, diagnosis, or treatment of genetic diseases. | SOC4 |
| 2 | <u>Cytotechnologists</u> • | Stain, mount, and study cells to detect evidence of cancer, hormonal abnormalities, and other pathological conditions following established standards and practices. | SOC4 |
| 3 | Dietetic Technicians | Assist in the provision of food service and nutritional programs, under the supervision of a dietitian. May plan and produce meals based on established guidelines, teach principles of food and nutrition, or counsel individuals. | SOC4 |
| 4 | Health Technologists and Technicians, All Other | All health technologists and technicians not listed separately. | SOC4 |
| 5 | Medical and Clinical Laboratory Technicians | Perform routine medical laboratory tests for the diagnosis, treatment, and prevention of disease. May work under the supervision of a medical technologist. | SOC4 |
| 6 | Medical and Clinical Laboratory Technologists | Perform complex medical laboratory tests for diagnosis, treatment, and prevention of disease. May train or supervise staff. | SOC4 |

| Rank | Related Occupations | Duties | *Related By |
|------|--|---|----------------|
| 7 | Medical Records and Health Information Technicians | Compile, process, and maintain medical records of hospital and clinic patients in a manner consistent with medical, administrative, ethical, legal, and regulatory requirements of the health care system. Process, maintain, compile, and report patient information for health requirements and standards in a manner consistent with the healthcare industry's numerical coding system. | SOC4 |
| 8 | Neurodiagnostic Technologists • | Conduct electroneurodiagnostic (END) tests such as electroencephalograms, evoked potentials, polysomnograms, or electronystagmograms. May perform nerve conduction studies. | SOC4 |
| 9 | <u>Opticians,</u> <u>Dispensing</u> ❖ | Design, measure, fit, and adapt lenses and frames for client according to written optical prescription or specification. Assist client with inserting, removing, and caring for contact lenses. Assist client with selecting frames. Measure customer for size of eyeglasses and coordinate frames with facial and eye measurements and optical prescription. Prepare work order for optical laboratory containing instructions for grinding and mounting lenses in frames. Verify exactness of finished lens spectacles. Adjust frame and lens position to fit client. May shape or reshape frames. Includes contact lens opticians. | SOC4 |
| 10 | Orthotists and Prosthetists | Design, measure, fit, and adapt orthopedic braces, appliances or prostheses, such as limbs or facial parts for patients with disabling conditions. | SOC4 |
| 11 | <u>Pharmacy</u> <u>Technicians</u> ❖ | Prepare medications under the direction of a pharmacist. May measure, mix, count out, label, and record amounts and dosages of medications according to prescription orders. | SOC4 |
| 12 | Psychiatric Technicians ❖ | Care for individuals with mental or emotional conditions or disabilities, following the instructions of physicians or other health practitioners. Monitor patients' physical and emotional well-being and report to medical staff. May participate in rehabilitation and treatment programs, help with personal hygiene, and administer oral or injectable medications. | SOC4 |
| 13 | Acute Care Nurses | Provide advanced nursing care for patients with acute conditions such as heart attacks, respiratory distress syndrome, or shock. May care for pre- and post-operative patients or perform advanced, invasive diagnostic or therapeutic procedures. | O*NET |
| 14 | Cardiovascular Technologists and Technicians | Conduct tests on pulmonary or cardiovascular systems of patients for diagnostic purposes. May conduct or assist in electrocardiograms, cardiac catheterizations, pulmonary functions, lung capacity, and similar tests. Includes vascular technologists. | O*NET |
| 15 | Dental Assistants | Assist dentist, set up equipment, prepare patient for treatment, and keep records. | O*NET |

| Rank | Related Occupations | Duties | *Related By |
|------|---|--|----------------|
| 16 | Dental Hygienists | Clean teeth and examine oral areas, head, and neck for signs of oral disease. May educate patients on oral hygiene, take and develop x rays, or apply fluoride or sealants. | O*NET |
| 17 | <u>Diagnostic Medical</u> <u>Sonographers</u> | Produce ultrasonic recordings of internal organs for use by physicians. | O*NET |
| 18 | Endoscopy Technicians | Maintain a sterile field to provide support for physicians and nurses during endoscopy procedures. Prepare and maintain instruments and equipment. May obtain specimens. | O*NET |
| 19 | Histotechnologists and Histologic Technicians | Prepare histologic slides from tissue sections for microscopic examination and diagnosis by pathologists. May assist in research studies. | O*NET |
| 20 | Licensed Practical and Licensed Vocational Nurses | Care for ill, injured, or convalescing patients or persons with disabilities in hospitals, nursing homes, clinics, private homes, group homes, and similar institutions. May work under the supervision of a registered nurse. Licensing required. | O*NET |
| 21 | Medical Assistants | Perform administrative and certain clinical duties under the direction of a physician. Administrative duties may include scheduling appointments, maintaining medical records, billing, and coding information for insurance purposes. Clinical duties may include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, and administering medications as directed by physician. | O*NET |
| 22 | Medical Equipment Preparers | Prepare, sterilize, install, or clean laboratory or healthcare equipment. May perform routine laboratory tasks and operate or inspect equipment. | O*NET |
| 23 | Nuclear Medicine Technologists | Prepare, administer, and measure radioactive isotopes in therapeutic, diagnostic, and tracer studies using a variety of radioisotope equipment. Prepare stock solutions of radioactive materials and calculate doses to be administered by radiologists. Subject patients to radiation. Execute blood volume, red cell survival, and fat absorption studies following standard laboratory techniques. | O*NET |
| 24 | Physical Therapist Assistants | Assist physical therapists in providing physical therapy treatments and procedures. May, in accordance with State laws, assist in the development of treatment plans, carry out routine functions, document the progress of treatment, and modify specific treatments in accordance with patient status and within the scope of treatment plans established by a physical therapist. Generally requires formal training. | O*NET |

| Rank | Related Occupations | Duties | *Related By |
|------|--|---|----------------|
| 25 | Radiation Therapists ❖ | Provide radiation therapy to patients as prescribed by a radiologist according to established practices and standards. Duties may include reviewing prescription and diagnosis; acting as liaison with physician and supportive care personnel; preparing equipment, such as immobilization, treatment, and protection devices; and maintaining records, reports, and files. May assist in dosimetry procedures and tumor localization. | O*NET |
| 26 | Radiologic Technicians | Maintain and use equipment and supplies necessary to demonstrate portions of the human body on x-ray film or fluoroscopic screen for diagnostic purposes. | O*NET |
| 27 | <u>Radiologic</u> <u>Technologists</u> ❖ | Take x rays and CAT scans or administer nonradioactive materials into patient's blood stream for diagnostic purposes. Includes technologists who specialize in other scanning modalities. | O*NET |
| 28 | Registered Nurses | Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management. Licensing or registration required. | O*NET |
| 29 | Respiratory Therapists | Assess, treat, and care for patients with breathing disorders. Assume primary responsibility for all respiratory care modalities, including the supervision of respiratory therapy technicians. Initiate and conduct therapeutic procedures; maintain patient records; and select, assemble, check, and operate equipment. | O*NET |
| 30 | Respiratory Therapy Technicians | Provide respiratory care under the direction of respiratory therapists and physicians. | O*NET |
| 31 | Veterinary Technologists and Technicians | Perform medical tests in a laboratory environment for use in the treatment and diagnosis of diseases in animals. Prepare vaccines and serums for prevention of diseases. Prepare tissue samples, take blood samples, and execute laboratory tests, such as urinalysis and blood counts. Clean and sterilize instruments and materials and maintain equipment and machines. May assist a veterinarian during surgery. | O*NET |
| 32 | Emergency Medical Technicians and Paramedics | Assess injuries, administer emergency medical care, and extricate trapped individuals. Transport injured or sick persons to medical facilities. | O*NET |
| 33 | Medical Appliance Technicians | Construct, fit, maintain, or repair medical supportive devices, such as braces, orthotics and prosthetic devices, joints, arch supports, and other surgical and medical appliances. | O*NET |
| 34 | Occupational Health and Safety Technicians | Collect data on work environments for analysis by occupational health and safety specialists. Implement and conduct evaluation of programs designed to limit chemical, physical, biological, and ergonomic risks to workers. | O*NET |

| Ranl | Related Occupations | Duties | *Related By |
|------|---|--|----------------|
| 35 | Police, Fire, and Ambulance Dispatchers | Operate radio, telephone, or computer equipment at emergency response centers. Receive reports from the public of crimes, disturbances, fires, and medical or police emergencies. Relay information to law enforcement and emergency response personnel. May maintain contact with caller until responders arrive. | O*NET |

BRIGHT OUTLOOK NATIONALLY | GREEN OCCUPATIONS

Source: **Related By: O*NET™ - The <u>Occupational Information Network</u>. O*NET is a registered trademark of the <u>US Department of Labor/Employment and Training Administration</u>.

SOC4 - Occupational grouping based on 1st 4 digits of the <u>Standard Occupational Classification</u> system.

Career Ladder

This section shows the top 10 occupations and the corresponding individuals in the workforce system who were previously Surgical Technologists and have changed their occupation over the last 5 years.

| Occupation Title | Number of Individuals that Moved | Percentage of Individuals that Moved |
|---|--|--|
| Surgical Assistants | 36 | 39.13% |
| <u>Cashiers</u> | 10 | 10.87% |
| Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 7 | 7.61% |
| Medical Assistants | 6 | 6.52% |
| Endoscopy Technicians > | 6 | 6.52% |
| Waiters and Waitresses | 6 | 6.52% |
| Receptionists and Information Clerks | 6 | 6.52% |
| Registered Nurses | 5 | 5.43% |
| Licensed Practical and Licensed Vocational Nurses | 5 | 5.43% |
| Personal Care Aides | 5 | 5.43% |

STRIGHT OUTLOOK NATIONALLY

Source: Individuals with active résumés in the workforce system.

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