



Career Service Authority  
Cardiovascular Technologist

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### GENERAL STATEMENT OF CLASS DUTIES

Performs specialized work operating physiologic analytical equipment for diagnostic cardio-catheterization and angiography under the supervision of a physician.

### DISTINGUISHING CHARACTERISTICS

This classification is located at Denver Health Medical Center and is being maintained for promotional purposes.

#### ***Guidelines, Difficulty and Decision Making Level:***

Procedures, methods, and techniques to be used are well established with options to be considered well defined. Tools, work aids, and materials to be used are specified. Work steps are demonstrated or made clear by straightforward oral instructions.

Duties assigned are primarily routine, repetitive, and restricted in intricacy with little or no discretion in how they are carried out.

#### ***Level of Supervision Received and Quality Review:***

Under close supervision, the employee receives training to develop skills and abilities in a specific line of work or general occupational area. Work product is subject to close, continuous inspection.

#### ***Interpersonal Communications and Purpose:***

Contacts with the public or employees where factual information relative to the organization or its functions are received, relayed, or a service rendered according to established procedures or instructions.

#### ***Level of Supervision Exercised:***

No supervisory responsibility.

### ESSENTIAL DUTIES

Sets up, operates, and maintains the physiological pressure monitoring devices necessary for the duration of the surgical procedure.

Assists physicians in various invasive and noninvasive procedures including Pacemaker insertion, Endomyocardia Biopsy and Pericardio-Centesis.

Monitors and records hemodynamic data and maintains a continuous monitoring system.

Obtains patient's records, and takes and records vital signs including pulse, respiration, and blood pressure, explains the catheterization procedure to the patient, and preps patient for catheterization and angiography.

Documents and files angiographic procedure information and maintains patient records.

Assists in inventory control and ordering supplies.

Maintains established departmental policies and procedures, quality improvement, safety, environmental and infection control standards.

Performs other related duties as assigned or requested.

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Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

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## MINIMUM QUALIFICATIONS

### ***Competencies, Knowledge, & Skills:***

**Reading** – Understands and interprets written material, including technical materials, rules, regulations, instructions, reports, charts, graphs, or tables; applies what is learned from written material to specific situations.

**Writing** – Recognizes or uses correct English grammar, punctuation, and spelling; communicates information (for example, facts, ideas, or messages) in a brief, clear, and organized manner; produces written information, which may include technical material, that is appropriate for the intended audience.

**Oral Communication** – Expresses information (for example, ideas or facts) to individual or groups effectively, taking into account the audience and nature of the information (for example, technical, sensitive, controversial); makes clear and convincing oral presentations; listens to others, attends to nonverbal cues, and responds appropriately.

**Problem Solving** – Identifies problems; determines accuracy and relevance of information; uses sound judgment to generate and evaluate alternatives, and to make recommendations.

**Learning** – Uses efficient learning techniques to acquire and apply new knowledge and skills; uses training, feedback, or other opportunities for self-learning and development.

**Teamwork** – Encourages and facilitates cooperation, pride, trust, and group identity; fosters commitment and team spirit; works with others to achieve goals.

**Integrity/Honesty** – Contributes to maintaining the integrity of the organization; displays high standards of ethical conduct and understands the impact of violating these standards on an organization, self, and others; is trustworthy.

**Interpersonal Skills** – Shows understanding, friendliness, courtesy, tact, empathy, concern, and politeness to others; develops and maintains effective relationships with others; may include effective dealing with individuals who are difficult, hostile, or distressed; relates well to people from varied backgrounds and different situations; is sensitive to cultural diversity, race, gender, disabilities, and other individual differences.

**Attention to Detail** – Is thorough when performing work and conscientious about attending to detail.

**Customer Service** – Works with clients and customers (that is, any individual who uses or receives the services or products that your work unit produces, including the general public, individuals who work in the agency, other agencies, or organizations outside the Government) to assess their needs, provide information or assistance, resolves their problems, or satisfies their expectations; knows about available products and services; is committed to providing quality products and services.

**Flexibility** – Is open to change and new information; adapts behavior or work methods in response to new information, changing conditions, or unexpected obstacles; effectively deals with uncertainty.

**Technology Application** – Uses machines, tools, or equipment effectively; uses computers and computer applications to analyze and communicate information in the appropriate format.

**Technical Competence** – Uses knowledge that is acquired through formal training or extensive on-the-job experience to perform one's job; works with, understands, and evaluates technical information related to the job; advises others on technical issues.

**Technical Problem Solving** – Troubleshoots, diagnoses, analyzes, and identifies systems malfunctions to determine the source and cause of the problem.

**Memory** – Recalls information that has been presented previously.

### ***Physical Demands:***

Standing: remaining on one's feet in an upright position.

Walking: moving about on foot.

Lifting: raising or lowering an object from one level to another.

Carrying: transporting an object, usually by hand, arm, or shoulder.

Pushing: exerting force upon an object so that the object is away.

Pulling: exerting force on an object so that it is moving to the person.

Climbing: ascending or descending objects usually with hands/feet.

Balancing: maintaining body equilibrium to prevent falling over.

Stooping: bending the body by bending spine at the waist.

Kneeling: bending legs to come to rest on one or both knees.

Crouching: bending body downward and forward by bending legs.

Crawling: moving about on hands and knees or hands and feet.

Reaching: extending the hand(s) and arm(s) in any direction.

Handling: seizing, holding, grasping, or otherwise working with hands.

Fingering: picking, pinching, or otherwise working with fingers.

Feeling: perceiving attributes of objects by means of skin receptors.

Talking: expressing or exchanging ideas by means of spoken words.

Hearing: perceiving the nature of sounds by the ear.

Repetitive motions: Making frequent movements with a part of the body.

Lifting: Raising or lowering an object 25 – 50 pounds.

Far acuity: ability to see clearly at 20 feet or more.  
Near acuity: ability to see clearly at 20 inches or less.  
Depth Perception: ability to judge distance and space relationships.  
Field of Vision: ability to see peripherally.  
Accommodation: ability to adjust vision to bring objects into focus.  
Color Vision: ability to distinguish and identify different colors.

***Working Environment:***

Hazards conditions where there is danger to life, body, and/or health.  
Contact with patients under wide variety of circumstances  
Exposed to infections and contagious disease.  
Exposed to risk of blood-borne diseases.  
Exposed to unpleasant elements (accidents, injuries and illness)  
Occasional pressure due to multiple calls and inquiries

***Education Requirement:***

Completion of a two year program in Cardiovascular Technology in either a college or hospital program approved by the American Medical Association, with major course work in Nursing, Health, Biological, or Natural Sciences.

***Experience Requirement:***

One year of experience performing invasive or non-invasive Cardiology procedures.

***Education/Experience Equivalency:***

Additional appropriate experience may be substituted for the minimum educational requirement on a year for year basis.

***Licensure and/or Certification:***

Registration as a Cardiology Technologist by the American Cardiology Technologist Association (ACTA) is required by completion of the probationary period.

**CLASS DETAIL**

***FLSA CODE:*** Non-Exempt

***ESTABLISHED DATE:*** 09/16/1995

***ESTABLISHED BY:*** Janell Flaig

***REVISED DATE:*** 11/1/2009

**REVISED BY:** John Hoffman

**CLASS HISTORY:** 11/2009 - This class was revised, updated, and placed into the new class specification format.