

PATIENT CARE SIMULATION TECHNICIAN

DEFINITION

Sets up, operates, and manipulates patient care simulators, multimedia, computer and related equipment needed for simulating medical conditions and responses used in nursing and other allied health courses.

TYPICAL DUTIES

Programs patient care simulators, prepares scenario props, and creates scenario moulage to model physiological responses to the clinical and skill objectives and specifications identified by instructional staff.

Sets up, operates, and manipulates patient care simulators and related media and computer equipment.

Restores laboratory to pre-scenario conditions.

Provides technical recommendation for simulation improvements.

Assists instructors with the implementation of virtual clinical medical scenarios.

Operates instructional media equipment such as video cameras, multi media computer systems, and audio and video distribution systems used in a patient care simulation laboratory.

Explains to students the use of patient care simulators and related media and computer equipment.

Insures student compliance with lab policies, procedures, and safety precautions.

Receives, set ups, and tests new simulators and related multimedia and computer equipment.

Performs preventative maintenance and repair of simulation, media and computer equipment in the lab; diagnoses more serious equipment malfunctions and arranges for repair; arranges for general maintenance and repair of laboratory facilities.

Maintains a variety of records related to simulation lab operations and equipment.

Orders, maintains and provides security for supplies, materials, and equipment in the laboratory; stores, discards, and rotates supplies and materials according to procedures.

Maintain accurate patient charts.

Maintains laboratory schedule, attendance records, and tracks laboratory usage.

Assists in the research of purchasing options for lab equipment and software.

May provide training and work direction to student employees.

May be assigned to perform other duties in the Nursing Department during peak workload periods and in the absence of assigned personnel.

Performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS

A **Patient Care Simulation Technician** sets up, operates, and manipulates medical, multimedia, computer, and other related equipment used for patient care simulation exercises in a nursing and other allied health courses to create a virtual healthcare setting.

An **Instructional Assistant, Nursing**, applies a knowledge of nursing principles, procedures and techniques in assisting students with problems related to their assignments, and is responsible for the day-to-day operations of a nursing laboratory.

SUPERVISION

General supervision is received from a Department Chair. Functional supervision is received from instructional staff. Work direction may be provided to student employees.

CLASS QUALIFICATIONS

Knowledge of:

- Patient care simulation technologies and applications
- Medical terminology
- Basic anatomy and physiology
- The features and capabilities of basic multimedia equipment
- The basics of electromechanical and pneumatic functions of equipment and devices
- Specialized computer software used in the nursing and allied health professions
- New developments in the use of human patient simulation learning
- Standard computer software applications
- Basic inventory and material storage procedures
- Recordkeeping procedures

Skill in:

The set up and operation of patient care simulation and related multimedia and computer equipment

Ability to:

- Utilize analytical problem solving skills to resolve issues related to patient care simulation scenarios
- Troubleshoot patient care simulator, multimedia and computer equipment problems
- Work effectively and collaboratively with nursing faculty, staff and students
- Maintain the confidentiality of information
- Communicate effectively both orally and in writing
- Take initiative and work independently
- Meet schedules and deadlines
- Give clear and concise instructions
- Keep accurate and precise records
- Learn the characteristics of new equipment and update skills to adapt to changing technology

ENTRANCE QUALIFICATIONS

Education and Experience:

- A. One year of full-time paid experience in the programming, operation, and maintenance of simulation based medical learning systems.

OR

- B. Successful completion of a patient care simulator training program and one year of full-time paid experience in direct patient care.

OR

- C. Current valid certification in a health related field such as Certified Nursing Aide (CNA) or Emergency Medical Technician (EMT) and one year of full-time paid experience in direct patient care. Training and/or experience with patient simulation equipment and related multimedia equipment is desirable.

OR

- D. Any equivalent combination of A. and B. and C. above.

Special:

Current and valid certifications in Basic Life Support, Advanced Cardiac Life Support and Advanced Trauma Life Support are desirable.