

SIMULATION TECHNICIAN

CLASS SUMMARY

Under general supervision –support of simulation for the Health Sciences programs in preparing and maintaining simulation lab equipment, media, cameras, computers and materials related to simulation; technical and administrative support; answer student and faculty questions, assist students and faculty with simulation work and in preparation for lab experiences; performs related duties as required.

REPRESENTATIVE DUTIES

Programs software for model simulators' physiological responses; supports/assists in role playing applications, prop(s) placement, and moulage set up to create a virtual health care setting; assists with training simulation staff and faculty in the use of simulation equipment; serves as a resource for faculty utilizing simulation; conducts tours and simulation sessions for internal/external groups and/or individuals; anticipates future technology needs; identifies areas for improved efficiency; installs, secures, repairs, updates, and maintains simulators; diagnoses equipment problems and recommends an action on repair work of simulators/hardware/software; contact vendors to return equipment parts under warranty; provides guidance to the users in the use of standard or specialized desktop applications; communicates with staff and faculty regarding software and hardware needs; installs, configures and upgrades operating systems and software requirements for classrooms, labs, faculty, and staff to ensure compatibility for simulation; may install specialized software and hardware and collaborate with vendors on department specific equipment requiring configuration, maintenance, and upgrade.

ORGANIZATIONAL RELATIONSHIPS

This position reports to the designated supervisor.

REQUIRED QUALIFICATIONS

Required Training and Experience

Any combination of training, education, and experience equivalent to a Bachelor's degree and two years' experience in the maintenance, repair and deployment of healthcare hardware and software. Relevant experience may be substituted for the education on a year-for-year basis.

**SIMULATION TECHNICIAN
(CONTINUED)**

REQUIRED QUALIFICATIONS (CONTINUED)

Knowledge and Abilities

Knowledge of: Computer and networking terminology for PCs; low, mid and high-fidelity simulators and associated computer equipment; Local area networks (LANs) and wide area networks (WANs); network theory and principals of operating systems; installation, maintenance and repair of simulators, computers, and peripheral devices; use of audio/visual and photo production equipment; use of video cameras, digital cameras, and microphones.

Ability to: Stay apprised of current operating systems and software; diagnose problems and perform corrective action; work cooperatively with others; follow oral and written directions; follow safety practices in electrical and electronics work and in the use of tools and equipment; maintain supply records and inventories of simulation equipment and maintenance.

Working Conditions: This position requires prolonged office/simulation lab environment with frequent student, faculty, and staff contact and interruption working at authorized facilities with occasional evenings and/or weekends on an as-needed basis.

Physical Requirements: Ability to lift 50 pounds.

Board Approved: _____