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WHY A HEALTH SIMULATION LAB?

While classroom learning is essential to high-quality nursing and allied health programs, the “experiential learning” component plays the most vital role in developing solid clinical and critical thinking skills. In fact, a minimum of 50 percent of healthcare educational experience is hands-on learning.

Northeast Iowa Community College creates a clinical environment similar to those found in pre-hospital (EMS), hospitals, nursing homes and other facilities through health simulation lab clinical learning scenarios that significantly increase the amount of practice students receive. This enhances the students’ learning as well as engages practitioners in healthcare careers.

WHAT DOES THE HEALTH SIMULATION LAB OFFER?

The Health Simulation Laboratories at Northeast Iowa Community College can be outfitted to duplicate a pre-hospital (EMS) ambulance, an emergency room, a maternity suite or other clinical settings. The centerpiece of learning in these scenarios is a patient simulator. These sophisticated computer-driven manikins replicate human physiology, clinical symptoms and responses with remarkable realism. The Ambulance Simulator provides EMS students and professionals the ability to practice and master tasks, procedures and policies in an environment that represents the reality of the ambulance workspace.

Critical to the learning experience is the digital video recording of each simulation exercise and the performance evaluation software. Using these tools during the debriefing process faculty can review, evaluate, track and instruct students in the techniques of clinical care.

BENEFITS OF THE HEALTH SIMULATION LAB

- A safe, controlled environment for students to practice and refine their clinical skills and critical-thinking abilities before working with patients.
- Improved patient safety by creating additional clinical practice opportunities to reduce medical errors and increase patient safety.
- Students and practitioners from various disciplines can practice collaboration in realistic healthcare scenarios.
- Using sophisticated digital recording and performance assessment software instructors can record student exercises, review, evaluate and report on their clinical and critical thinking skills in a debrief session.
- Partnerships with area healthcare facilities allow for further exploration and expansion of learning opportunities.
- Opportunities for continuing education through the use of simulation are possible for community healthcare providers.

FUNDING

Funding to cover the costs of simulation may be available through the Workforce Training and Economic Development (WTED) fund. The fund's purpose is to provide training or retraining of workers to develop the skills needed for in-demand careers. In addition, it is an important source of financing for community college new program innovation, development and capacity building, particularly for career and technical education, and career academies.

Northeast Iowa Community College Business and Community Solutions will provide a customized quote for your specific training needs. Customized fees will be noted in the Letter of Agreement upon scheduling the simulation.

TRAINING PACKAGE OPTIONS

PACKAGE	OPTIONS	PARTICIPANTS	SESSIONS
Standard	<ul style="list-style-type: none">• Consultation Meeting• One pre-programmed scenario• EMS CEUs (up to three hours) included• Nursing CEUs upon request <ul style="list-style-type: none">• Use of task trainers• Debriefing Session	6	1
Deluxe	<ul style="list-style-type: none">• Consultation Meeting per session• Use of task trainers per session• Two pre-programmed scenarios• EMS CEUs (up to three hours) included per session• Nursing CEUs upon request per session <ul style="list-style-type: none">• Debriefing per session	12	2
Ultimate	<ul style="list-style-type: none">• Consultation Meeting per session• Use of task trainers per session• Three pre-programmed sessions• EMS CEUs (up to three hours) included per session of your choice• Nursing CEUs upon request per session <ul style="list-style-type: none">• Debriefing per session	18	3
Elite	<ul style="list-style-type: none">• Consultation per session• Use of task trainers per session• Four pre-programmed sessions• EMS CEUs (up to three hours) included per session of your choice• Nursing CEUs upon request per session <ul style="list-style-type: none">• Debriefing per session	24	4

SESSIONS

Prices are subject to change dependent upon equipment and participants needs. Additional training and pricing options are available upon request.

- Small groups of six or less are encouraged for optimal learning.
 - Sessions are a maximum of three hours.
 - Use of Ambulance Simulator throughout the session.
 - Debrief Facilitator provided by EMS Service.
 - Objectives should be defined during consultation.
 - Four week advanced notice is required for scheduling.
- If this is not provided a \$200 service fee will be charged per session.

SCENARIOS

CARDIAC

- ST-elevation infarction followed by ventricular fibrillation
- Ventricular fibrillation
- Acute myocardia infarction
- Angina - coronary artery disease
- Bradycardia treated with Atropine, Pacing, Dopamine or Epinephrine

RESPIRATORY

- Foreign body airway obstruction
- Spontaneous pneumothorax
- Impaired airway protection due to severe ischemic stroke
- Acute asthma
- Respiratory arrest
- Obstruction secondary to seizures

TRAUMA

- Stab wound to abdomen
- Cervical spine injury
- Spontaneous tension pneumothorax

We also have an OB simulator that can simulate a normal delivery as well as obstetrical emergencies. Our sim baby and pediatric simulator can also be used for training for routine or difficult situations.

Pre-programmed scenarios are approved by the National League of Nursing (NLN) and American Heart Association (AHA). More scenarios are available upon request.

LEARN MORE.



www.nicc.edu/simlab