

GRAUC Simulation Collaborative

PROJECT GOAL:

The goal of the GRAUC Simulation Collaborative is to enhance, diversify, and expand Rochester area healthcare workforce by providing access to relevant, effective, and flexible simulation technology.

The Center will be a state-of-the-art regional resource and will allow the Rochester healthcare education community to:

- › Create interdisciplinary, scenario-based training and realism in problem-based instruction
- › Enable educators to tailor training to individual educational levels in a safe learning environment
- › Serve as a testing ground for quality improvement and innovation
- › Produce standardized training and consistency in healthcare practices which will contribute to improved patient safety outcomes



COMMUNITY VALUE



Offers experiences with unique care scenarios



Offers consistency with reproducible scenarios to perfect skills



Provides realistic problem-based instruction and testing for quality improvement and innovation



Provides instruction in life-threatening events management



Adapts scenarios to educational level for skill mastery



Ensures clinical experiences that are error-forgiving and enhance patient safety



Provides opportunities for leadership in "Crisis Resource Management"

FOUR PHASES

PHASE
1

Included a needs analysis. Focus group interviews and surveys to regional educators and simulation professionals produced data needed to understand current state of training programs and gaps in current facilities. Outputs from Phase One informed future project phases.

PHASE
2

Used data from Phase One to create a business, operational and governance plan. Such plans are paramount to securing funding and gaining stakeholder buy-in and interest for the Center.

PHASE
3

Includes seeking and securing required funds. Being a community center, no single institution is funding the initiative. Government sources such as grants, benefaction, and fees collected from institutional users will be essential to the launch and sustainability of the Center.

PHASE
4

Entails the design, build and implementation of the Center. The development of a healthcare simulation center will help augment healthcare education and training in the community.

WHY IS THIS IMPORTANT?

- › Minnesota needs 50K more nurses (CNA, LPN, RN) by 2030
- › Clinical sites have been reduced
- › 20% of Nurses (RN & LPN) are over 65 years of age
- › Approximately 1,250 students would benefit from increased access to simulation- based education experiences. Over 81% are in nursing programs.
- › Over 18,000 direct patient care workforce openings in the southeast Minnesota area as of 2021.

FINANCIAL CONSIDERATIONS

Pre-design and programming	\$75,000
Construction cost estimate	\$7,000,000 <i>(\$350 per s.f.)</i>
Technology, equipment and furniture	\$3,000,000
First year start-up costs	\$2,000,000
Indirect and misc. costs	\$500,000
Total:	\$11,575,000 – \$12,575,000

**Possibly add \$500,000 to \$1,000,000 for cost escalation from 2021 to 2024 or 2025 when the actual costs may be incurred.*

KEY STAKEHOLDERS

-  **Area High Schools**
-  **General Community**
-  **Luther College**
-  **Olmsted Medical Center**
-  **Rochester Community and Technical College**
-  **University of Minnesota Rochester**
-  **Winona State University**

One of best ways to tackle this critical workforce shortage is to equip education and industry partners with the simulation capacity that allows them to grow (and keep) their healthcare workforce.

– GRAUC Sim Center needs analysis respondent

REAL OUTCOMES & ROI

Benefit employers will gain having additional students trained

- › Students better prepared for their clinical rotations
- › Helping students be more prepared for clinicals and giving preceptors a more positive less stressful experience

A list of clinical hours for RST and SEMN (190 corridor) has been compiled

Contact For More Information:

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COMMUNITY PARTNERS

- Mayo Clinic
- HealthForce Minnesota Center of Excellence
- Olmsted Medical Center
- Minnesota Board of Nursing
- Destination Medical Center
- HGA Architects
- Rochester Area Chamber of Commerce
- Southeast Service Cooperative
- Rochester Area Foundation
- Workforce Development, Inc.
- Southeast Service Cooperative