The College of Nursing offers an array of high-, medium- and low-fidelity simulation technology with capabilities including, but not limited to, childbirth, pediatrics, adult trauma, anesthesia and more.

Simulation center staff are available to plan and facilitate a customized training regimen to meet specific instructional needs of any group or organization.

Additionally, the center features a state-of-the-art video recording system for users to review simulations in real time or at a later date, remotely or on site.

Features
- Customizable, interactive learning spaces
- Safe learning environment to practice high-risk, low-frequency clinical experiences
- Cutting-edge simulation equipment used in a variety of healthcare environments

Benefits
- Access to University faculty expertise
- Better patient outcomes
- Decreased medical liability risk
- Improved collaboration and communication through team building exercises

Customized Support
- Mobile simulation and audiovisual options
- Scenario building
- Simulation technician assistance

The Simulation Training Center has afforded me the opportunity to expand my clinical reasoning and decision-making skills, while simultaneously providing the opportunity to learn in a low-pressure, highly engaging environment. All of the instructors are committed to my success, not only as a student, but as a future nurse.”

Clarissa Rueckert, BSN ’17
Human Patient Simulators
- BabySIM: 16-pound infant (CAE)
- HPS: Anesthesia simulator (CAE)
- PediaHPS: Child Anesthesia simulator (CAE)
- Lucina: Childbirth simulator (CAE)
- METIMan: Adult (CAE)
- Newborn HAL (Gaumard)
- NOELLE: Maternal care simulator (Gaumard)
- PediaSIM: 8–10 years (CAE)
- +Procedural / Partial Task Trainers
- Two SimMan 3G: Adult (Laerdal)
- Two Nursing Anne Simulators (CAE)

Simulation Suites
The Simulation Training Center has four simulation suites flexibly designed to accommodate training in medical/surgical acute care, emergency room, trauma bay, obstetrics, operating room, clinic and home environments. Each space is designed to be realistic yet adaptable in response to the ever-changing world of healthcare.

Debriefing Rooms
Three debriefing rooms are available for users to review LS footage, analyze and discuss each simulation experience. Tables and chairs are available for groups to take notes, use laptop computers or host small group meetings.

Elmer Leach Learning Lab
In the learning lab, users benefit from low-fidelity procedural and partial task trainers to practice basic health assessments and other hands-on nursing skills such as medication administration, injections, inserting IVs and catheters, and suctioning. Equipment in the learning lab replicates that which is used in modern healthcare facilities. Limited equipment and supplies also are available for users to check out and practice outside of simulation exercises.

LearningSpace (LS) Audiovisual System
Simulation footage captured through LS allows for:
- Interactive, constructive debriefing
- Peer review and learner self-reflection
- Real-time observation and/or video footage for later evaluation
- Remote observation capabilities via mobile LS unit

Graduate Laboratory
The graduate laboratory replicates a primary care clinic, providing users with individual exam rooms containing exam tables, ot/ophthalmoscopes, a computer, and other standard supplies and equipment. The lab also features a small diagnostic lab for users to practice using microscope and other specific diagnostic tests primary care providers perform in a clinical setting.

There is an additional open-concept teaching area comprising 10 exam stations to practice primary care health assessments in a group setting. The teaching area includes seating and tables; partial-task trainers to practice suturing, punch biopsies and other technical skills; and a projection screen and audiovisual system for supplemental teaching and demonstrations.

Telehealth Room
Telehealth room facilitates training in a broader scope of remote clinical services encompassing Telemedicine and rural health and also nonclinical services like provider training, health administration, public health and continuing medical education. The Telehealth room features videoconferencing, store and forward imaging, streaming media and telecommunications technology to support two-way, interactive communication between patient and provider.

Ultrasonography models and phantoms
- Nerve blockade
- IV cannulation
- Central line cannulation

Surgical Simulation Center: Operating Room
The Surgical Simulation Center provides users a safe and supportive environment where Operating Room skills may be developed and perfected before interacting with live patients in a clinical setting.

Operating Room modalities include
- Adult, obstetric and pediatric human patient simulators capable of anesthesia care
- Anesthesia machine
- Check out
- Anesthesia delivery
- Failure and malfunction
- Biological models
- Percutaneous tracheostomy
- Intersseous and spinal injections
- Live adult, pediatric and geriatric patients
- Task trainers
- Spinal, epidural and caudal injections
- Airway management
- Normal
- Difficult
- Infant, pediatric and adult intubation
- Standard technique
- Videoscope
- Flexible fiberoptic
- One-lung ventilation