

FACILITIES

Instructional Facilities

With internationally renowned faculty engaged in teaching, research, and community service, FPB offers high quality academic programs. Instruction includes lectures, seminars, individual conferences and small group discussions, and clinical experiences. The FPB School of Nursing, located at the Health Education Campus, provides a state of the art inter-professional education environment where nursing, medical, dental medicine and physician assistant students learn with and from each other. The eleven acre campus is the site of the Sheila and Eric Samson Pavilion. This 477,000 square-foot facility features a central atrium where students can gather, study and eat together, an innovation laboratory, 26 academic classrooms (including "team-based learning" classrooms) and simulation labs where collaborative learning take place.

Clinical Facilities

Instructional facilities are abundant and varied. University Hospitals Cleveland Medical Center established in 1866 is a 1,032-bed tertiary, academic medical center specializing in adult/pediatric medical and surgical specialties and is an aggregate of specialized hospitals that includes Alfred and Norma Lerner Tower, Samuel Mather Pavilion and Lakeside Hospital for adult medical/surgical care; Rainbow Babies and Children's Hospital ranked #4 nationally for Neonatal Care by the U.S. News and World Report; University MacDonald Women's Hospital, Ohio's only hospital for Women; Seidman Cancer Center (formerly known as the Ireland Cancer Center); University Psychiatric Center-Hanna Pavilion, University Hospitals Institute for Health Care Quality & Innovation, skilled nursing and rehabilitation services and home health care. University Hospitals is part of the University Hospitals Health System with services provided at 150 locations in 40 northern communities. University Hospitals Cleveland Medical Center is an affiliate of Case Western Reserve University. Together, they form the largest center for biomedical research in the state of Ohio. University Hospitals Cleveland Medical Center is home to world class clinical and research centers, including cancer, pediatrics, women's health, orthopedics, spine, radiology, radiation oncology, neurosurgery neuroscience, cardiology, cardiovascular surgery, organ transplantation and human genetics.

The Cleveland Clinic Health System is a multi-specialty academic medical center founded in 1921. Main Campus has 1,400 beds and 4,435 beds system-wide. The Cleveland Clinic is one of the largest and most respected hospitals. Cleveland Clinic main campus, Fairview Hospital, Hillcrest Hospital, South Pointe Hospital and Akron General Hospital are all designated as Magnet status hospitals, the most sought after indicator of nursing excellence. Cleveland Clinic Health System is comprised of the Cleveland Clinic main campus, Cleveland Clinic Children's Hospital located within the main campus, Euclid Hospital, Fairview Hospital, Lutheran Hospital, Marymount Hospital, Medina Hospital, South Pointe Hospital, Hillcrest Hospital, Ashtabula County Medical Center, Avon Hospital, Cleveland Clinic Florida (Weston, West Palm Beach), Lou Ruvo Center for Brain Health, Las Vegas, Nevada and The Glickman Urological & Kidney Institute in Las Vegas, and Cleveland Clinic Abu Dhabi, Cleveland Clinic London, Cleveland Clinic Canada.

The system also includes Akron General Health System, Visiting Nurse Service and Affiliates, Hospice of VNS, Lodi Community Hospital, Edwin Shaw Rehabilitation Institute, an outpatient clinic in Toronto, Ontario and three health and wellness centers. It is nationally recognized as one of the top medical centers in the US and the world, particularly

in technological and management systems and in the treatment of cardiovascular disease.

MetroHealth Medical Center established in 1837, is a 642-bed hospital that includes a Level I Adult Trauma, Level II Pediatric Trauma Center, and a verified regional Burn Center, a skilled nursing facility and more than 25 locations throughout Cuyahoga County with more on the way.

MetroHealth is one of three teaching hospitals that make up the Case Western Reserve University Integrated Surgical Program. Annually, MetroHealth medical center handles more than one million patient visits including more than 100,000 in the Emergency Department, one the busiest in the country. That's an average of 274 Emergency Department visits per day. The John A. Gannon Comprehensive Burn Care Center is one of only two burn centers in Ohio treats more than 1,700 outpatient and inpatient burn injuries every year. The 27-bed Surgical Intensive Care Unit admits more than 2,000 critically ill surgical patients per year. The Elisabeth Severance Prentiss Center at MetroHealth is a long term skilled nursing facility. In 2014 the Centers for Disease Control designated MetroHealth as an official Ebola Treatment Center, the only one in Ohio.

The Louis Stokes Cleveland Veterans Administration Medical Center (VAMC) is one of five facilities constituting the VA Healthcare System of Ohio. A full range of primary, secondary and tertiary care services are offered to an eligible Veteran population covering 24 counties in Northeast Ohio. Comprehensive, seamless health care and social services are provided to more than 111,901 veterans each year through an inpatient tertiary care facility (Wade Park). With 18 locations of care, including 13 outpatient clinics, two community resource and referral centers, a psychosocial resource rehabilitation center, a chronic dialysis center and an ambulatory surgery center, the Northeast Ohio VA Healthcare System's quality services are easily accessible to Veterans in 24 counties.

Additional opportunities are available in a variety of health, social, and educational agencies. These include, for example, Benjamin Rose Institute, Hospice of the Western Reserve, Judson Park Retirement Community, The Cleveland Visiting Nurses Association, Cleveland Public Health Department, the Cleveland Metropolitan School District, and many others.

Libraries

The Kelvin Smith Library, a 144,000 square foot building completed in 1996, houses most of the collections of Case Western Reserve University. With more than 3.3 million print and digital resources, spaces for study and collaboration, and information science and technology experts, Kelvin Smith Library inspires and advances the innovation and excellence of the CWRU community and beyond. The library enables users to integrate both traditional resources and state-of-the-art technology into teaching, research, and learning. A variety of seating styles accommodates 900 people and provides electrical ports for connecting personal laptop computers. Case Western Reserve's wireless network enables personal laptops to have internet access throughout the library. Two multimedia rooms include scanners and sound and video digitizers. Available are individual study spaces, meeting rooms, conference areas, and social gathering places. Thirty miles of compact movable shelving allows the library to keep much of its collection onsite for immediate access to print materials. The user-friendly interface to the online catalog, databases, and other resources allows library staff to focus their attention on working in-depth with faculty and students.

The Cleveland Health Science Library (CHSL) serves as the library system for the Schools of Medicine, Dental Medicine, Nursing, and the

Departments of Biology and Nutrition. The CHSL was formed in 1965 by an agreement between the Cleveland Medical Library Association (CMLA) and Western Reserve University. CHSL operates in two locations: The Allen Memorial Medical Library, which has a collection of clinical books and journals, basic sciences, nursing, dentistry, and biology books, journals, audiovisuals, microforms, as well as a collection of rare and historical books; and the Health Education Campus Library, which is a quiet study area, and the place where students can check out books on reserve for courses. The combined collections total over 430,000 volumes including electronics and collectibles, with print and electronic journal subscriptions numbering in excess of 60,000, electronic books numbering over 60,000 and print books numbering over 118,500. Personal and institutional members of the CMLA and faculty, students and staff of CWRU have borrowing privileges. The Cleveland Health Sciences Library serves as a resource library in the Greater Midwest Region of the National Network of Libraries of Medicine. CHSL also participates in OhioLINK, OHIONET, and OCLC.

In addition, the Allen Memorial Medical Library is home to the Dittrick Medical History Center (College of Arts and Sciences) and its archives, medical artifacts, and books on the history of medicine. The Allen has two technology supported classrooms, one large conference room (often used for courses), three large quiet study rooms, and main reading room. The first technology supported classroom is the Ford Auditorium, with a seating capacity of 472, and is supported by University Technology (UTech) and Level 2 technology classroom. The second technology classroom is the Herrick Room, with a capacity of 24, and a UTech Level 1 classroom. Case Western Reserve University's wireless network is available throughout all library spaces. The two combined library spaces are open 167 hours per week. The CHSL staff includes 4 FTE librarians, and 3 FTE paraprofessional and technical staff.

FPB School of Nursing Information Technology Services

The Frances Payne Bolton School of Nursing (SON) has an assigned Information Technology Services team. This team is part of the University Technology (UTech) Division, managing and overseeing all computer related operations within the school. The team assists faculty, staff and students with any computer problems, issues, needs, or equipment purchases. This team manages the Help Desk, provides troubleshooting of problems, and repairs all school-owned equipment. The SON UTech team provides assistance with the School's website and develops web applications to meet the needs of the school. The team also administers online application, review, and customer relations management systems, as well as a variety of other information technology (IT) systems and tasks.

The Health Education Campus (HEC) has an UTech Care Center (Tech Bar) located at the south end of the atrium on the first floor of Samson Pavilion. The HEC Support team addresses both IT and audio-visual (AV) issues. The team assists all faculty, students and staff in the HEC with computer problems, connectivity issues, classroom technology, repairs, providing technical support to resolve identified needs. A limited supply of loaner laptops are available through the Tech Bar which students can request for use for a limited amount of time.

The hours of operation for the Tech Bar are 8:00am - 4:30pm, Monday - Friday. The team is also available by emailing hecsupport@case.edu.

During times when the University is working remotely, assistance is available via the online Zoom Room (8:30 am - 5:00 pm (EST), Monday – Friday or by appointment, when necessary). For after-hours assistance,

contact the University Helpdesk by emailing help@case.edu or calling 216-368-HELP (4357).

The HEC has extensive wireless access for all users, including access to the Internet and University software tools throughout the building. Students also have access to four wireless printing kiosks located on the first and fourth floors of the building. The HEC provides the most advanced technology possible to enhance and accelerate education.

Center for Nursing Education, Simulation & Innovation (CNESI)

The Center for Nursing Education, Simulation & Innovation is located on the second floor of the Samson Pavilion at the Health Education Campus (HEC) and is composed of two nursing skill labs: Physical Assessment Lab and Clinical Teaching Bed Lab, and a separate Medication Room.

Physical Assessment Lab: This ten-bed lab is for pre-licensure students (BSN and MN) and graduate nurse practitioner students (MSN) learning basic and advanced physical assessment skills. The room is fully equipped with ten physician-grade electronic exam tables that have inclining headrests, extending leg supports, storage drawers, and optional stirrups. To ensure privacy, the lab has custom ceiling-mounted privacy drapes at each bed station. Each station has an electronic Welch Allyn otoscope along with 3 sizes of clean gloves, sharps disposal units and wall-mounted blood pressure cuffs. The physical assessment lab has extensive locked storage for dozens of Welch Allyn and ADC Diagnostic kits, various-sized blood pressure cuffs, electronic blood pressure cuffs, and single and double headed stethoscopes for student and faculty use. Students also have access to several high fidelity human patient simulators, task trainers, anatomical ear and eye models, two full body skeletons, breast and prostate models, a DVD library, numerous anatomical posters, and two large screen video display boards that support all of our undergraduate and graduate physical assessment lab sessions. An new addition to the physical assessment lab is the Lumis Insight Platform, which is an augmented reality system designed to enhance clinical judgement and decision making.

Clinical Teaching Bed Lab: This lab is comprised of 10 patient bed stations each with a mid-fidelity Laerdal Medical manikin. The lab simulates an in-patient complex care or medical-surgical unit. The lab is equipped with a full-sized ADA hospital bathroom designed to provide students with the opportunity to learn how to transfer a patient in and out of the bathroom, to the shower, and to the commode. The center contains all of the common devices seen in the hospital setting including a Hoyer lift, Geri chair, wheel chairs, canes, crutches, linen carts, ventilators, ceiling-mounted privacy drapes, sharps disposal units, and head wall units at each patient bed to simulate oxygen delivery and wall suction. Pre-licensure students use this lab to learn and practice every essential nursing skill from hand washing and bed making to wound irrigation and managing a ventilated patient. The center also has several hospital-grade medication carts, a dozen smart IV pumps, and extensive locked storage for IV tubing, IV solutions, dressing supplies, catheters, chest tubes, foley catheters, sterile gloves, sterile gowns, bedpans, urinals, and tracheostomy supplies. The lab has an extensive digital library and two large screen video display boards to support our undergraduate and graduate lab sessions.

Medication Room: The medication room is adjacent to the Clinical Teaching Bed Lab and is equipped with an academic version of the Pyxis Medication dispensing system, bar coding techniques, and synthetic medications. The medication room has extensive locked cabinetry, a sink, and counter space to provide a realistic private and secure setting for best practices of preparing patient medications.

In the HEC, nursing students have access to the following **shared lab spaces** that foster interprofessional education:

Acute Care Flexible Simulation Labs: These three labs are set up with portable head walls, one way glass, a large screen video display board, and video/audio capabilities for recording and debriefing and high-stakes testing. The labs can be set up for any high fidelity simulation with access to a family of the latest and most advanced CAE, Laerdal and Gaumard high fidelity human patient simulators, including CAE Apollo adult simulators, Pediatric Hal simulators, Super Tory advanced newborn simulators, Premie Hal simulators, and Victoria birthing simulators. Standardized patients (SPs) may also be used for simulation sessions.

All pre-licensure students and nurse practitioner students utilize these labs throughout each semester with simulation sessions designed to develop clinical judgment skills and communication skills. Each acute care flexible simulation lab has a large screen video display board to support our undergraduate and graduate lab sessions.

Private Exam Rooms: 20 private exam rooms each equipped with a physician-grade exam table, side chair, exam stool, and built in otoscope and ophthalmoscope provide the opportunity for students to practice and review communication and assessment skills with faculty, peers, and standardized patients. Each room has one way glass, video and audio capability, and a small screen video display board allowing faculty to record exemplars and provide feedback on student practice, testing, and final examinations. Standardized patients (SPs) are hired for formative, summative, and high stakes testing situations and adjacent small and large debriefing rooms allow for private or class meetings prior to or following SP sessions.

Perioperative Lab: This interprofessional lab contains a fully functioning Steris 3080 operating room table and fluid/blanket warmer, a full set of surgical instruments, back and gown tables, locked supply cabinets, pulse oximeters, and an educational anesthesia machine, endoscopy, and Bovie machine. Students learn basic perioperative safety skills including; aseptic technique, patient positioning, handling of surgical instruments, and communication hand-over techniques related to perioperative nursing and nurse anesthesia patient care. Audio and video capabilities allow for recording of formative and summative simulations and adjacent classrooms allow for pre-briefing and debriefing opportunities. The Perioperative lab has two large screen video display boards to support our undergraduate and graduate lab sessions as well as interprofessional perioperative simulations.