A new Medical Technology & Simulation Center (MTSC) opened at SCF Lakewood Ranch in time for Fall 2010 classes.

• The 42,000-square-foot center houses nursing, other health professions, education and SCF’s new Energy Technology Management Program.

• The new center is SCF’s first building designed to achieve Leadership in Energy and Environmental Design (LEED) certification, a process pending approval by the U.S. Green Building Council.

“Green” features include:

• Chiller plant and Thermal Energy Storage (TES) system used to cool the buildings and maximize energy.

• Low-flow, low-flush fixtures save an estimated 269,693 gallons of water annually, 40 percent less than a comparable building.

• Seventy-six percent of construction materials were recycled, reused or repurposed.

• More than 80 trees were preserved and nearly two dozen were relocated on campus during construction.

• Drought-resistant landscaping and irrigation system reduces water consumption by 80 percent.

• Large windows made with Low E glass (emissivity) allow natural light and help reduce heat gain.

• Occupancy-sensor lights for saving electricity.

• Restrooms with showers and lockers to encourage cyclists and walkers.

• Recycle bins throughout reception and common areas.

• “Night-sky-friendly” outdoor lighting fixtures to reduce light pollution.

• Future plans call for solar-powered charging stations for electric vehicles.

Interesting Facts:

• Total project cost was about $12.2 million. With support from the local delegation, the Florida Legislature provided approximately $8.9 million. The SCF Foundation contributed approximately $1.5 million.

• The project architect was Fawley Bryant, Sarasota.

• The builder was Tandem Construction, Sarasota.

• Hurricane-resistant MTSC built to withstand up to 149.5 miles per hour winds.

• Twenty-six miles of data cable for fast Internet, VoIP (phones), and building systems.

• Wireless access throughout building with high-speed routers.
Second Floor

Multipurpose rooms and early childhood learning labs for teacher preparation.

Central nurses' station serves as a hub for the Intensive Care Units.

Science lab with Bunsen burners, microscopes and eye wash station.

Instructional rooms for health and science related professions with a central preparation room, office and a cold storage room.

Anatomy and Physiology Lab with instructional models of human anatomy.

Waiting Room

Conference Room

Intensive Care Unit (ICU) Lab with state-of-the-art technology including Medical Education Technologies Inc. (METI) patient simulators, electronic medical records, drug recognition system and medication-dispensing devices. Central nurses’ station serves as a hub for Intensive Care Units:

- Room 216: Edward and Alyce Kalin Cardiovascular ICU
- Room 219: Ann and Alfred Goldstein Neuro ICU
- Room 220: Stanley and Janet Kane Surgical ICU
- Room 221: ICU Simulated Control Room for monitoring progress of patient simulators and student instruction.
- Room 222: Manatee Memorial Hospital Foundation Trauma ICU
- Room 223: Rita B. Lamere Memorial Foundation Medical ICU
- Room 224: In Memory of the Tarr Family Pediatric ICU
- Room 226: John and Valerie Schaub Birthing Suite with mother and baby patient simulators and delivery room warmer.
- Room 227: David and Myrna Band Neonatal Unit for pediatric intensive care includes size-appropriate equipment for infant and toddler treatment.

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