



Simulation Center

CAMPBELL UNIVERSITY SCHOOL OF OSTEOPATHIC MEDICINE | Lillington, NC

THE CHALLENGE

Campbell University's School of Osteopathic Medicine (CUSOM) is North Carolina's newest medical school and the only one based on osteopathic principles. Designed from the ground up to train students in the treatment of the whole person, CUSOM focuses on bringing health care to where it is needed most—the primary care specialties of family medicine, general internal medicine, pediatrics, obstetrics and gynecology. Throughout the design process, Campbell's dean and faculty emphasized the importance of medical simulation to the new school's success—in particular the need for a sim facility with the size and throughput to serve a large student body, the flexibility to quickly adapt to new types of mannequins and simulation session designs, and the technical power to allow a small staff to monitor and control the entire facility from their desktops or mobile devices.

OUR SOLUTION

KONTEK integrated unobtrusive video cameras, microphones and flexible monitoring into six highly specialized simulation rooms plus an Objective Structured Physical Examination (OSCE) suite. Interfaces for a wide variety of mannequins allow ultimate flexibility. A highly intuitive touch panel control system allows quick reconfiguration and granular control of each suite with a minimum of staff training. The simulation center is designed for high throughput, allowing each student ample access to hands-on training time, a key component of the osteopathic approach to patient care.

“Working with KONTEK to design the technology in our new building, and especially our sim lab, was a true joy. They took my dreams and ideas and helped craft them into a finished system that was even better than I had hoped.”

— Robert J. Schmid
Assistant Professor & Technical Director,
CUSOM Simulation Center

HIGHLIGHTS

- **Six high fidelity simulation rooms:** Operating Room, Emergency Room, Intensive Care Unit, Birthing Suite, Virtual Simulation Room, Multipurpose Simulation Room.
- **Twelve OSCE** where students engage with Standardized Patients to simulate doctor-patient interactions. Includes an innovative session control system with digital room status displays.
- **Three simulation control rooms** with five independent control stations.
- **Custom programmed control room touch panels** that simplify and streamline video routing, robotic camera control and audio communications and recording.
- **Three conference rooms** for post-session debriefing and discussion.
- **Streaming video technology** makes every camera accessible anywhere in the facility, including on mobile devices, for staff monitoring and troubleshooting.
- **Broad compatibility** with simulation mannequins from every major manufacturer.