

Xavier Center for Holistic Nursing Cincinnati, OH

The beautiful new Xavier Center for Holistic Nursing in Cincinnati, Ohio, is located in the heart of the picturesque Xavier University campus. Working with Premier Network Solutions of Cincinnati, Xavier has implemented the newest Crestron solutions in conjunction with the newest, cutting edge technology to create a nursing simulation center that embodies excellence in the field of nursing education.



Mary Sizemore, Director for Laboratory and Simulation Technology at the Xavier Center for Holistic Nursing worked closely with Steve Immerman and his team at Premier to develop the ideal system for the Center. Sizemore recounts, "When we began the project, we expected to make more physical changes to the space by building walls, viewing areas and using 2-way mirrors. After meeting with Steve Immerman at Premier Network Solutions and reviewing the full range of capabilities provided by a Crestron control solution, we discovered that these physical changes would be unnecessary."

Thanks to Premier Network Solutions's system design, the Center is now home to a new state-of-the-art simulation center that provides students with extremely realistic patient care in a controlled, replicated hospital room under the watchful supervision of instructors. Premier chose a Crestron C2N-IVDS-24 x 24 to provide instructors with control of the simulation room's six Sony cameras.

The instructors can then remotely access any of the cameras to gain a better vantage point over the work being performed. In addition to camera switching the instructors can also use the C2N touchpanel to access other camera functions such as zoom, view accessories such as a 'patient's' heart monitor, and choose when video footage will be captured.

Footage that is captured allows instructors to provide students with a 'debriefing' after each session. In order to accomplish this, Premier integrated Crestron's QuickMedia to route VGA traffic to Accordant Capture Stations.

"QuickMedia's ability to combine a number of video signals on a single Cat5 cable made integration of this system very easy," said Immerman. "It also gave us the flexibility to account for the audio/paging system between the control center and the simulation room, without hogging bandwidth or requiring additional components to expand. QuickMedia worked perfectly with the system we designed."

In addition to control in the simulation room, the Crestron TPMC-17-QM touchpanel also allows instructors to control other devices that comprise the facility's video system, including the display plasma hanging in the waiting room. "We took it one step further to extend control beyond the simulation room, something we are very keen on doing with Crestron products," said Immerman.

