

Sinclair Community College Nursing Lab Renovation

Dayton, OH

Construction Completion: 2014
Construction Cost: \$135,000
Size: 1,025 SF
Tri-Tech Services: PME Engineering

Project Description

Tri-Tech was brought on by Sinclair Community College to provide engineering design for a renovation of the existing nursing lab classroom to expand the space and provide 36 new computer workstations. This included relocating medical gases, piping, and all electrical connections for the nursing simulator as a result of the expansion and new layout.

Electrical design for the project included relocating the existing dimming system in the space and expanding its functionality to include a revised zone lighting layout. Additionally, the new lighting design worked around the existing light fixtures to minimize cost while still providing a functional system to the new space.

The addition of 36 new computer workstations to the space involved coordination with the existing electrical distribution to provide adequate circuit capacity for the new load, in addition to coordinating pathways and connections to the lab tables which would minimize impact to the existing walls. The final design included routing conduits underneath a raised floor up through the wall with a penetration at the table location which eliminated the need for surface-mounted raceway in the space.

