

University of the Sciences: Integrated Professional Education Complex Philadelphia, PA



Philadelphia-based University of the Sciences or USciences has been preparing students to be leaders and practitioners in the healthcare and science fields since 1821. They were the first college of pharmacy in North America and now have more than 30 degree-granting programs in health sciences, bench sciences, and healthcare business and policy fields.

Vantage completed an audiovisual system consulting project for the 3rd floor of the Integrated Professional Education Complex (IPEX). The project features unique and innovative clinical simulation and learning spaces for the School of Pharmacy and will radically change how students are trained and certified.

The IPEX building originally opened in September 2014, but the 3rd floor was not initially completed. The 57,000-square-foot, three-story building showcases an interprofessional education model that permits students from several disciplines, including pharmacy, physical therapy, occupational therapy, exercise science, psychology, and healthcare business and policy, to obtain traditional and hands-on experience. This interprofessional education model gives students an opportunity to fully understand its value in their everyday practice.

Working with the Sasaki and USciences teams on the 3rd floor buildout, we designed audiovisual and data infrastructure to support the new clinical simulation and classroom spaces for the School of Pharmacy. In addition, we provided construction administration throughout the project. The design included:

- Classroom and debriefing spaces that can be used individually or combined using movable partitions for active-learning, small group collaboration or traditional seminar space
- Patient exam rooms
- Inpatient and community pharmacies
- Pharmacy simulation and associated control rooms
- Pharmacy waiting rooms
- Student lounge space and breakroom

Client: University of the Sciences

Architect: Sasaki

Facility: Healthcare Simulation and Classroom Spaces

Services:

- Infrastructure Design
- Installation Oversight
- Programming
- System Design

Technologies:

- Audiovisual Systems
- Broadcast
- Digital Media
- IT Infrastructure
- Nurse Call
- Outpatient
- Patient Simulation
- Videoconference
- Wireless Network

Benefits:

- Features combinable classroom and collaboration spaces that had to be integrated at the same time
- Performs audio and video signal transport over the regular IP data network for the simulation spaces in an innovative and cost-effective solution
- Expands on a typical simulation system by integrating interactive mannequins and recordable video plus the capability to simulate the entire healthcare environment including nurse calls and discrete patient instructions