



Facts about the Dr. Edwin G. & Dorothy Balbach Davis Global Center

The **Davis Global Center** is a new, iconic landmark on UNMC's Omaha campus. This unique five-level (192,000 square feet) interprofessional simulation facility has been created to inspire new ways of training health care professionals and serves as an innovation hub for research, and development. The center:

- Serves as headquarters for iEXCEL (Interprofessional, Experiential Center for Enduring Learning), a transformational training program for health care professionals.
- Houses a replicated health care system. For example, a home unit, ambulance bay, trauma room, intensive care unit, labor and delivery and pediatric rooms and many other health care settings. Each space has real hospital equipment and human patient simulators.
- Provides safe, simulated environments and advanced visualization technology so doctors, nurses, pharmacists and allied health professionals can practice and hone their skills - including teamwork.
- Enables health care teams to practice the safe transportation of patients from one level of care to the next, replicating how a patient is transferred from home to the hospital and back.
- Uses 3D & Virtual Reality to “bring learning to life” – a team of medical artists, computer programmers, gamers, animators and graphic designers work with UNMC clinical experts to create health care content.
- Houses the U.S. Department of Health and Human Services Training, Simulation & Quarantine Center (TSQC) on the ground level. The TSQC involves a specialized training unit for working with highly infectious diseases, as well as a 20-bed quarantine unit, the only designated federal quarantine unit in the country.
- Includes a team of simulation experts who support faculty, students and Nebraska Medicine staff as they adopt simulation for training.

Of special note, the Davis Global Center:

- Features the largest Crystal LED SONY wall in the western hemisphere.
- Features the first holographic theater in any academic institution in the world.

- Is LEED (Leadership in Energy and Environmental Design) Gold certified.
 - Comprised of campus stone, self-shading glass and metal panels.
 - Over 800 tons (58%) of construction waste was diverted from the landfill.
- Features a customized metal cone that marks the south entrance. The wall – the hallmark of A. Zahner, the Kansas City, Mo., architecture company - can be programmed to depict various color sequences as well as light shows.
- Features Simulation in Motion-Nebraska (SIM-NE), a statewide, mobile education system that provides state-of-the-art hands-on training to pre-hospital and hospital professionals throughout Nebraska.
- Includes a Virtual Reality Innovation Academy, which provides trainees an industry certificate in AR/VR skills training.