Overview of iEXCEL and the Davis Global Center

The Interprofessional Experiential Center for Enduring Learning (iEXCEL) at the University of Nebraska Medical Center (UNMC) is a transformative model of health care education, training and research. Incorporating a wide range of simulation and visualization technologies, iEXCEL promotes experiential learning to achieve the vision of Global Leadership in Improving Human Performance and Effectiveness in Health Care. iEXCEL began at UNMC in 2015 as an initiative to enhance patient care through providing training to health professionals. In 2020, the Davis Global Center (DGC), a highly advanced simulation training facility, became the new home to iEXCEL. To date, iEXCEL has hosted over 8,000 visitors and trained over 45,000 active learners utilizing simulation and visualization technology. Through iEXCEL, UNMC is accelerating the adoption of simulation and visualization technology to improve the outcomes of patient care through a competency-based model of training.
Davis Global Center’s dedication set for Oct. 13
Iconic landmark made possible through public-private partnership

The UNMC community is invited online Oct. 13 for the formal dedication of the Dr. Edwin G. & Dorothy Balbach Davis Global Center, a visionary facility designed to transform health care education, training and research.

Due to COVID-19 and campus safety restrictions, the 10 a.m. CT ceremony will be a virtual celebration accessible via unmc.edu.

UNMC Chancellor Jeffrey P. Gold, MD, will emcee the event, which will include remarks from federal, state and local dignitaries. A video “fly-through” will highlight the building and some of its unique features – including the largest SONY Infinity Wall of its kind in the Western Hemisphere and the first holographic theater in any academic institution in the world.

The celebration will reveal the transformational possibilities that lie within the iconic landmark and how all five levels of the facility work together to create safe, innovative and experiential training environments, as well as a venue for research and business development.

Located on UNMC’s Omaha campus, the Davis Global Center is home to iEXCEL, a transformative model that incorporates modeling, simulation and visualization technologies in realistic health care settings to improve the outcomes of patient care.

The center also is home to the U.S. Department of Health and Human Services Training, Simulation & Quarantine Center and features the only designated federal quarantine unit in the country. The 20-bed unit was used earlier this year to house and monitor some of the first Americans to be treated in the U.S. for the novel coronavirus.

Overall, the Davis Global Center serves as the hub for a statewide network of interconnected simulation centers in Scottsbluff, Kearney, Norfolk and Lincoln.

Funding for the $121.8 million facility was provided by the state of Nebraska, city of Omaha, U.S. federal government, and generous donors.
Davis Global Center Dedication Events

Davis Global Center Dedication: Ribbon Cutting Ceremony
Tuesday, October 13 live at 10:00 AM CST
Please join us for a ribbon cutting ceremony and virtual showcase of iEXCEL and the Davis Global Center.
Audience: Donors, Faculty, Students, Nebraska Medicine Clinicians, Industry, Military

Celebrating iEXCEL

NTSA & iEXCEL, Triple Helix Roundtable: Impact of COVID-19 on Healthcare Training
Wednesday, October 14 live at 10:00 AM CST
Please join iEXCEL for a special presentation on the future of healthcare education and simulation technologies. Co-hosted by the NTSA, this discussion panel will feature prominent industry and academic leaders highlighting responses to the pandemic and future initiatives poised to transform healthcare, simulation and education.
Audience: Industry, Military, Academia Partners

Faculty, Student, iEXCEL Innovation Awards
Thursday, October 15 live at 4:00 PM CST
Please join us as we recognize faculty and staff who have helped create and implement new ideas for teaching, research and scholarship using simulation technologies and the capabilities of the Davis Global Center.
Audience: Nebraska Medicine Faculty, Administrators and Students, Academia Partners
Resources
(click for downloads)

Media Assets

iEXCEL Program Summary

Davis Global Center Highlights

Davis Global Center Technology

Formal Invitation to the Dedication Ceremony
Davis Global Center Photos

Davis Global Center Exterior

Dr. Edward and Sally Malashock Atrium

Clarkson Regional Health Services Holographic Theater

Nighttime lights at the Davis Global Center
iEXCEL Photos – Surgical Simulation

Surgical team performs an operation in the third floor surgical simulation space

Surgical resident practices his skills in the training and interventional skills lab

Otolaryngology residents practice an operation in the fresh tissue surgical simulation lab

Physician Assistant students prepare to don personal protective equipment (PPE)
iEXCEL Photos – Clinical Simulation

Residents practice intubating a COVID-19 positive patient while wearing PPE in the clinical simulation center

Physicians practice donning and doffing PPE on the clinical simulation floor

Neonatologist residents simulate care for an unstable neonate on the clinical simulation floor

Nephrology residents practice central line placement using a manikin
iEXCEL Photos – Visualization

Students learn through the use of holographic technology

Interprofessional students use the 3D workbench

iEXCEL’s Infinity Wall measures 24 feet tall – the largest in the western hemisphere

The iEXCEL interprofessional student group utilizes the laser CAVE-5
Social Media Hashtags

#UNMCDGC – THE primary Davis Global Center hashtag
#DGCinEDU – use for educational programs, student-based activity in DGC
#iEXCE Lexperience – use for iEXCEL’s events, new technology, interactive, hands-on
#visitDGC – use for tours, visiting faculty, out of town guests, recruitment
#iEXCELserves – use for community, outreach

Commonly used:

#iEXCEL #AR/VR
#innovation #patient safety
#technology #outcomes driven
#simulation #patient first care

Connect with iEXCEL
Website: unmc.edu/iexcel
Facebook: @UNMC.iEXCEL1
Twitter: @UNMC_iEXCEL
Instagram: @iexcelunmc
Email: iEXCEL@unmc.edu

Connect with UNMC
Website: unmc.edu
Facebook: @unmcedu
Twitter: @unmc
Instagram: @iamunmc

Using this Advance Packet
This Advance Packet contains information, downloadable resources, and media items to assist our partners in creating stories to promote the Davis Global Center (DGC) Dedication events. Please feel free to include information about the DGC Dedication, iEXCEL, and UNMC on your websites, in your newsletters, and throughout your social media channels. If possible, please include the photo credit for UNMC when utilizing images.

Click for Downloadable Images

Questions? Please contact:
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