The University of Kansas
Notable Capital Improvement Projects (since 2009)

Kansas Law Enforcement Training Center Improvements * KLETC Campus, Hutchinson

Facility Type: Academic & Residential. Features: KLETC provides annual training for nearly 400 new Kansas law enforcement officers at this 16-acre complex in Hutchinson, as well as statewide service training for nearly 7,000 more officers. Phase One included a new three-story, 126 bed residence hall attached to the existing facilities, with classrooms, an 800-seat multi-purpose dining and meeting space. Phase Two constructed a 1.8 mile emergency vehicle driver training track with varied pavement conditions and a skid pad, a tactical shooting training building, and other support facilities.

KU Clinical Research Center * KU Medical Center Campus, Kansas City

Facility Type: Research. Features: Funding for the building came from the Hall Family Foundation. The interior renovation project was funded by Johnson County Education and Research Triangle (JCERT) funds, and encompassed a complete remodel with state-of-the-art features and a more efficient use of space, resources and manpower to best accommodate the needs of patients and researchers.
School of Pharmacy * Lawrence Campus, West District

Facility Type: Academic.  Features: New home of the School of Pharmacy and first academic building in KU's West District. Includes offices and classrooms, including model lab spaces and two 175-seat tiered interactive distance learning classrooms, used to remotely teach classes ranging from the KU Wichita campus to as far away as India.; food court/dining area; FEMA-compliant community safe room, rated to withstand an F5 tornado and partially funded by a $500,000 FEMA grant. Came in well under budget, allowing KU to return $4.5 million to the State of Kansas. Dedicated during the Pharmacy School’s 125th anniversary year. Awards: 2012 AGC of Kansas Award of Excellence.

Lied Center Pavilion Addition * Lawrence Campus, West District

Facility Type: Performing Arts/Academic.  Features: This donor-funded project had three components -- the addition of a 3,000 SF multi-purpose educational pavilion with excellent acoustics that could be used for academic and outreach programs, as well as for performances with seating for 200 persons or receptions for 390 persons; a 3,600 SF lobby expansion that seamlessly created an appropriately-sized public space; and additional office and conference spaces.
Business, Education, Science & Technology Building (BEST) * Edwards Campus, Overland Park

Project Cost: $22,670,000. Area: 74,500 GSF. Completed: 2011. Facility Type: Academic/Office. Features: Classroom, meeting and conference spaces to serve KU's expanding continuing education programs in the Kansas City area. Also included office spaces, computer labs and an overhead pedestrian bridge connected to the existing Regents Center and Rieger Hall buildings, as well as catering kitchen space adjacent to the conference center. Roadways were extended to encircle the campus, and an additional 230 stalls of parking were added. A central pedestrian green space was created which connected the campus buildings. Classrooms and conference featured enhanced technology to facilitate distance learning classes.

Materials, Measurement & Sustainable Environment Center (M2SEC) * Lawrence Campus

Project Cost: $23,800,000. Area: 46,200 GSF. Completed: 2012. Facility Type: Research. Features: Highly advanced research labs for biofuels, material fracture & fatigue, composite materials, acoustic reverberation and environmental performance. Includes a $1.3M anechoic chamber, 350hp dynamometer and a rooftop greenhouse. Partially funded by a $12.3M ARRA grant that KU was awarded from NIST. First phase of the KU School of Engineering expansion program.
All of these projects were designed and built by KU School of Architecture students in the Studio 804 class, under the direction of KU faculty, and with guidance and support by KU administration and KU facilities staff.


Jayhawk Boulevard Reconstruction * Lawrence Campus, North District

Facility Type: Infrastructure.  Features: Multi-phase, multi-year project to replace deteriorating roadway and sidewalks, and to both restore and enhance the beauty of this historic boulevard in the heart of KU's campus. New street trees and shrubs line both sides, with improved storm drainage and bioswales. LED site lighting with banner arms for seasonal KU displays. Limestone benches were added and strategically located near transit stops and generous clearly-marked crosswalks. The KU Information booth was reconstructed consistent with the original booth but in a more appropriate location. New traffic control booths were added at each end, and automated gates were added at other entry points.  Awards: ASLA Merit Award.

Wahl-Hixon Laboratory Renovation * KU Medical Center Campus, Kansas City

Project Cost: $34,000,000.  Area: 150,000 GSF.  Completed: 2013.  
Facility Type: Academic.  Features: The Wahl Hall East project consisted of highly complicated demolition of existing research laboratory space and complete renovation including new walls, HVAC, plumbing, electrical, architectural finishes and windows. The Kansas BioScience Authority and the Research Institute invested in the renovation of the Wahl Hall East, Wahl Hall West and Hixon research facilities in support of the Cancer Initiative to create state-of-the-art research facilities for the recruitment of world-class researchers. This project completely replaced the mechanical, electrical and plumbing infrastructure for the three buildings, eliminating approximately $13,000,000 of deferred maintenance.
Structural Testing & Student Projects Facility (High-Bay) * Lawrence Campus, West District

**Project Cost:** $15,600,000.  **Area:** 27,000 GSF.  **Completed:** 2014.

**Facility Type:** Academic/Research.  **Features:** This structure, known as the High Bay Facility, was built as part of the LEEP2 School of Engineering expansion program and provides unparalleled capabilities for structural engineering research. The high bay lab is dedicated to large-scale structures research, and has a 40-foot high strong wall that can carry 100,000 pounds every three feet in both directions, two 20-ton cranes and a strong floor that is accessible via a tunnel system below it. Students can create full-scale projects in the 3,000 SF glass-walled student project space, serving engineering student groups ranging from Jayhawk Motorsports, KU EcoHawks, KU’s steel bridge team and the aerospace engineering heavy lift program.

Learned Hall Engineering Expansion Phase 2 (LEEP2) * Lawrence Campus, North District

**Project Cost:** $63,000,000.  **Area:** 135,800 GSF.  **Completed:** 2015.

**Facility Type:** Academic/Office/Research.  **Features:** Phase II of the KU School of Engineering expansion program, which infilled the space between the M2SEC building, which was built as Phase I to the south, and Learned Hall to the north, and Spahr Engineering Library to the east. It created a new two-story atrium space that is a highly popular student gathering space, and a new main entrance that anchors the entire engineering complex which provides easy access to student advising, recruitment and career services offices. It includes a variety of active learning and lecture classrooms, study areas, public spaces and research labs.
**Swarthout Recital Hall Remodel** *Lawrence Campus, North District*

**Project Cost:** $2,460,000.  **Area:** 6,100 SF-remodel.  **Completed:** 2015.
**Facility Type:** Performing Arts/Academic.  **Features:** 290-seat performance space for KU School of Music students, faculty, staff and guest performers. The existing space was gutted and entirely rebuilt to achieve optimized acoustical properties for performances, and an enhanced, contemporary aesthetic environment that is warm and inviting. A sound-isolated green room was added for performers to prepare and warm up, as well as a secure dedicated storage area for KU's Steinway pianos that is hidden behind the back wall of the stage. Exotic woods in the floors and walls include materials donated by a KU alumnus.

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**Murphy Courtyard – Phase 1** *KU Medical Center Campus, Kansas City*

**Project Cost:** $1,000,000.  **Area:** 36,000 GSF.  **Completed:** 2015
**Facility Type:** Landscape.  **Features:** Murphy Courtyard was transformed from a decades-old Emergency Room drop-off canopy and surrounding service yard / parking lot which included a broken fountain and dying trees to Phase 1 of a wonderful grassy area surrounded by ornamental plantings and landscaping that greatly enhanced the center of campus.
Self & Oswald Halls, Daisy Hill Commons * Lawrence Campus, Central District

Facility Type: Housing. Features: Two new five-story, 350-bed residence halls that flank each side of a new student commons space that serves the entire Daisy Hill district, which replaced the outdated McCollum Hall facility, which was imploded and recycled after the new halls were completed. The 18-acre site was redeveloped to create a new pedestrian-friendly green space and plaza connecting all of the Daisy Hill residence halls, by relocating Engel Road and strategically locating the new buildings in relation to the existing halls. Each hall provides a mix of one, two and four bedroom suites, with expansive views of the KU campus and the Kansas prairies beyond. The Daisy Hill Commons houses central administrative offices, study and social spaces for students, and a 30-seat classroom.

McCarthy Hall * Lawrence Campus, Central District

Facility Type: Housing. Features: Two and four bedroom apartment units, housing a mix of 39 students and student-athletes, with unique design features to meet the needs of KU's basketball players, such as taller ceilings, doors and cabinetry. Located just south of Allen Fieldhouse, it also includes a half-size basketball court, lecture/media room, community living and kitchen spaces, game room, barber shop and a rooftop terrace facing the fieldhouse.
Capitol Federal Hall (School of Business) * Lawrence Campus, Central District

Project Cost: $70,540,000. Area: 162,000 GSF. Completed: 2016.
Facility Type: Academic/Office/Research. Features: This innovative building is the largest privately-supported academic building built in the State of Kansas, led by a $20M gift from the Capitol Federal Foundation. A four-story atrium anchors the center of the building, with classrooms, financial labs and the Centers for Research in the north wing, and with the Dean's suite, student advising, career services and offices located in the south wing. A 350-seat auditorium also serves as an earth-bermed storm shelter, and a variety of 30, 45 and 60-seat classrooms that are arranged in a variety of configurations. A 32’ wide, $1.3M video wall is featured on the south wall of the atrium, facing a student-operated coffee bar strategically located at the base of the central stair and at the hub of activity.

DeBruce Center (Rules of Basket Ball) * Lawrence Campus, Central District

Project Cost: $18,000,000. Area: 32,000 GSF-new; 14,000 SF-remodel. Completed: 2016.
Facility Type: Athletics/Museum/Dining. Features: This striking new space houses the original thirteen "Rules of Basket Ball" document, handwritten by Dr. James Naismith on two pieces of paper in 1891, inventing the quintessential American sport, while also providing exhibit space illustrating the history of basketball and KU's unique and key role in the history of the game and its coaching, as well as a 200-seat public dining area, training table space for student athletes and kitchen/serving spaces. This extremely challenging project had to strike a delicate aesthetic balance between historic and innovative concerns, since it connects to KU's iconic Allen Fieldhouse and serves multiple competing interests.
Applegate Energy Center * KU Medical Center Campus, Kansas City

**Project Cost:** $2,423,200 total.  **Area:** Campus-wide.  **Completed:** 2016.  
**Facility Type:** Infrastructure.  **Features:** The Applegate Energy Center produces centralized utilities, e.g. steam, chilled water and softened domestic water, which serve a majority of the buildings on the KUMC campus. In 2014 KUMC embarked upon a two-year project with Siemens Building Technologies to improve the efficiency of both the production and distribution of chilled water systems and sub-systems across campus, which included upgrading to Siemens Demand Flow™ systems, along with other improvements, which optimizes central chilled water systems to reduce the central plant’s total energy consumption by 20-50%. The resulted in nearly $500,000 per year of electrical energy cost avoidance savings. This energy conservation project was funded via a five-year bond issued by KDFA at a very low 0.5% coupon rate, which will produce a simple payback in less than five years.

Spencer Museum of Art Remodel, Phase 1 * Lawrence Campus, North District

**Project Cost:** $6,900,000.  **Area:** 30,390 SF-remodel.  **Completed:** 2016.  
**Facility Type:** Fine Arts/Museum.  **Features:** Partial renovation and first phase of improvements to the Spencer Museum of Art, master-planned by internationally renowned Pei Cobb Freed Architects. Phase I includes a new glass-enclosed main entrance and lobby space, a new elevator, study center and open stair to improve circulation to the renovated galleries. New floors, ceilings and LED lighting enhance the aesthetics and viewing experience of visitors. A large full-height window was introduced in the west wall, opposite the main entrance, opening the building interior to expansive views of historic Marvin Grove and flooding the interior with natural light.
Health Education Building * KU Medical Center Campus, Kansas City

**Project Cost:** $82,000,000.  **Area:** 170,000 GSF.  **Completion:** 2017.  
**Facility Type:** Academic.  **Features:** This iconic new facility will accommodate modern learning and the education of a greater number of physicians, nurses and allied health care professionals to address critical health care worker shortages in Kansas. It includes approximately 47 classrooms, 32 clinical and simulation labs, numerous community life areas and a retail space, as well as a terraced courtyard and outdoor spaces with features representing the rolling prairies of Kansas. It offers a new level of connectivity and technology that will also enhance programs at the Wichita and Salina campuses, and it will allow students to spend more time with faculty in small group discussions and seminars and in active clinical learning experiences. It includes a simulation center and flexible, state-of-the-art learning spaces to support new models of teaching. The building will serve as the primary teaching facility for the KU Schools of Medicine, Nursing and Health Professions.

Parking Garage 5 * KU Medical Center Campus, Kansas City

**Project Cost:** $39,600,000.  **Area:** 722,900 GSF.  **Completion:** 2017.  
**Facility Type:** Parking.  **Features:** This precast concrete garage project will provide parking for 2,200 cars on six levels, with four stairs and five elevators, and will house the KU Medical Center Parking Services offices. It has a flat plate design that allows for maximum safety, a speed ramp design allows for very quick entrance and exit from garage, and includes a dynamic parking count system to track ADA stalls and stall availability per level. The garage is designed to support the new $280 million Cambridge North Tower of the University of Kansas Hospital (KUH) and will be Parksmart Certified by the U.S. Green Building Council. Additional amenities include four electric vehicle charging stations, a four-story green wall, and LED lighting throughout, making it one of the most sustainable parking facilities in Kansas.
Ritchie & Slawson Halls (EEEC) * Lawrence Campus, North District

Project Cost: $78,500,000; Area: 137,000 GSF; Completion: 2017.
Facility Type: Academic/Office/Research. Features: The Earth Energy & Environment Center (EEEC) is composed of two new donor-supported buildings, connected by overhead pedestrian bridges to each other, as well as to Lindley and Learned Halls. Active learning classrooms and auditorium, research labs for geology and tertiary oil recovery, sample storage areas, and an outreach conference center for over 300 attendees. The exterior is clad in earth-tone terra cotta rain screen panels with a textural pattern that recalls geologic stratification. Glazing is located to maximize views into and out of the spaces, around a new landscaped courtyard that will double as an outdoor classroom, with a variety of stone boulders as exhibits. A major pedestrian circulation path is maintained via an existing pedestrian tunnel below Naismith Drive, while the pedestrian bridge above it will provide an accessible path from the top of the hill to lower portions of the campus and Innovation Way to the west.

Central District Development * Lawrence Campus, Central District

Overall Project Costs: $350,000,000; Area: 1,117,000 GSF; Completion: 2017 - 2018.
Features: The Central District project is unique among KU projects, as the first KU project developed using a public-private partnership (P3) approach, with a competitively-selected development firm and design/build services via a lease program with the KU Campus Development Corporation.
The University of Kansas - Notable Capital Improvement Projects (since 2009)

**Integrated Sciences Bldg. (ISB):** Project Cost: $147,500,000; Area: 280,000 GSF; Completed: 2018

Facility Type: Academic/Research. Features: Academic and research science space, including laboratories, classrooms, offices and meeting spaces.

**Student Union Building:** Est. Project Cost: $11,300,000; Area: 30,000 GSF; Completed: 2018.

Facility Type: Student Services. Features: Shown to left of ISB in image above. It will include a conference space to expand KU’s capability to host conferences and events on campus, student service offices, and study space.

**Residence Hall & Dining:** Est. Project Cost: $51,900,000; Area: 212,000 GSF; Completed: 2017.

Facility Type: Housing. Features: A 500-bed residence hall and dining facility that will house primarily students in their freshman year will be located on a site adjacent to existing Oliver Hall near the intersection of Naismith Drive and 19th Street.
Apartment Buildings: **Est. Project Cost:** $69,600,000; **Area:** 365,000 GSF; **Completed:** 2018.

**Facility Type:** Housing. **Features:** Located at the corner of Iowa Street and 19th Street, it will contain 700 beds and will serve upper-class undergraduate students and graduate students.

Parking Structure: **Est. Project Cost:** $10,900,000; **Area:** 211,000 GSF; **Completed:** 2017.

**Facility Type:** Infrastructure. **Features:** This 611-car parking facility serves the Central District and restores parking lost due to other recent KU projects. A new pedestrian plaza connects the ISB, Union and parking facility, while the Jayhawk Trail winds through it on its way from the top of Mount Oread to KU's West District.

Central Utility Plant (CUP) & Site / Infrastructure Improvements: **Est. Project Cost:** $12,000,000-CUP, $46,800,000-Infrastructure; **Area:** 19,000 GSF- CUP; **Completed:** 2018.

**Facility Type:** Infrastructure. **Features:** Central utility services to support these new facilities, it also includes repair and renovation of the North District Utility Plant and utility service line extensions throughout this district.