THE COLLEGE OF ENGINEERING
BUILDING UPON EXCELLENCE

Do you remember the first time you stepped into Seaton, Durland, Rathbone or Fiedler Hall? Can you recall your first time in an engineering laboratory or collaborative space? Maybe you felt inspired to achieve new heights or awe-struck by this new world? Today, we invite you to consider investing in that experience for the next generation of engineers.

Kansas State University’s engineering departments have a rich heritage of success and national recognition for producing well-prepared graduates who excel in engineering and science careers. Our achievements directly result from dedicated alumni and friends like you, who work together to promote excellence.

Your investment in facilities renovation and expansion would have tremendous impact on the College of Engineering’s reputation and overall success. At the same time, you will join thousands of Wildcats who are investing in Innovation and Inspiration, the historic $1.4 billion campaign to advance Kansas State University. Your gifts will bring our learning environments on par with modern requirements and ensure engineering students are well-prepared to embark on successful careers in industry.
To continue providing a modern learning environment for our students, the department plans to expand its footprint by renovating vacant space in the west side of Seaton Hall. This 9,500-square-foot renovation will include new classrooms, studio/lab spaces, work spaces and offices that provide needed space for our growing undergraduate programs.

This renovation will:
• Provide a high-value learning environment to benefit students, faculty, industry and society.
• Help achieve the highest standard of excellence in undergraduate education for architectural engineers and constructors.
• Promote excellence related to instruction, scholarly activity, professional development and service.

Total funds needed: $2 million

To attract high-quality faculty and graduate students in biomaterials, we will expand research capacity by renovating Seaton 138. The department wants to target the synthesis of bio-based resins derived from low-value agricultural materials and creation of high-performance biomedical materials for tissue engineering, cell therapeutic treatment, regenerative medicine, hemostasis, wound healing and drug delivery release agents.

This renovation will:
• Provide the infrastructure needed to expand our sustainable environmental materials research program.
• Transform a low-value teaching and research space into two state-of-the-art analytical/wet chemistry labs focused on biomaterials and advanced biomedical development.
• Engage students in learning activities that complement classroom instruction and prepare them for professional team experiences and career placement.

Total funds needed: $850,000

To continue building upon our record of high-quality education, the department is expanding its research infrastructure. By renovating 1,500 square feet of vacant space in Durland Hall, the department will create two new laboratories, including four new fume hoods, emergency safety equipment and an electrical distribution system.

This project will:
• Catalyze advanced materials and processing research.
• Continue providing state-of-the-art facilities for faculty and students.
• Ensure our students are trained to become problem solvers, subject matter experts and technical communicators.
• Provide hands-on experience to augment classroom instruction and professional development opportunities such as student organizations and teams.

Total funds needed: $850,000

To continue delivering innovative solutions and a highly engaged educational approach, the department plans to renovate and expand the engineering, geotechnical and materials research laboratories.

This project will:
• Enhance components such as wet lab capabilities, fume hoods and autoclave facilities.
• Provide a walk-in specimen conditioning area and additional space for materials testing.
• Ensure that we continue to recruit and retain highly talented faculty and students.
• Advance research in areas such as heavy-freight railways, groundwater sustainability, and infrastructure connections between rural and urban communities nationwide.

Total funds needed: $750,000
Department of Computer Science (CS)

To accommodate extensive growth in teaching and research computational needs, the department plans to expand the data center on the first floor of Engineering Hall, currently only two-thirds complete.

This expansion will:
• Increase the data center capacity by 80 percent.
• Provide better support for education, research and Beocat, the university’s supercomputer.
• Meet space, power and cooling needs for the next decade.

Total funds needed: $900,000

Department of Electrical and Computer Engineering (ECE)

To continue providing a modern learning environment for our students, the department will create a senior design project area by renovating space in Rathbone Hall. At 1,200 square feet, the modern teaching laboratory will allow seniors to develop, build and evaluate industry-sponsored projects.

This renovation will:
• Encourage entrepreneurship-related activities and engineering design competitions.
• Provide research experience for undergraduate and graduate students.
• Create a showcase lab for recruiting visiting students into the department.

Total funds needed: $400,000

Department of Industrial and Manufacturing Systems Engineering Science (IMSE)

To advance student learning and creative inquiry to the highest level, the department plans to renovate our manufacturing laboratories. Modernizing 9,950 square feet of laboratory spaces will positively impact students across the college.

This renovation will:
• Significantly upgrade the department’s machining, fabrication, assembly and metrology capabilities.
• Improve manufacturing support for college competition teams.
• Facilitate more industry partnerships.
• Establish the department as a regional leader in 3D printing.

Total funds needed: $975,000

Department of Mechanical and Nuclear Engineering (MNE)

The department plans to build the Center to Advance Nano-to-Atomic-Level Research (CANAL), combining its nationally recognized nanoscale research with our nationally recognized atomic-level capabilities.

This project will:
• Help recruit and retain highly talented faculty and students.
• Drive international reputation for manufacturing on the smallest scale.
• Empower students with confidence to approach problems and develop useful solutions.

Total funds needed: $950,000
Building upon excellence

To build upon our tradition of excellence, K-State’s engineering departments must continue modernizing facilities to include high-tech classrooms and advanced equipment for hands-on training.

Your investment in improved research and learning facilities will:

• Ensure we continue to produce well-prepared engineers and scientists.
• Foster innovation in technical areas like health, energy, infrastructure and information technology.
• Advance the College of Engineering’s goal to become a top 50 public engineering college.

Please contact us today to discuss how your philanthropic priorities can align with departmental needs and advance the future of K-State, the engineering industry and the world.

Join us!

You can become part of our exciting future. We invite you to contact a member of our development staff today and begin the discussion about how you can make a difference.

For more information, please contact:

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