



K-STATE GEOSCIENCES BUILDING FOR THE FUTURE

Energy, finite natural resources, clean water, soil conservation, climate change — global challenges that affect us all. These are also global issues being addressed by geoscience faculty and students right here at Kansas State University. These challenges are being tackled by businesses that hire K-State graduates in Kansas, in this region and around the world.

FILLING A NEED

The United States is experiencing a demonstrable shortage of geosciences talent, and job vacancies over the next 10 years are projected to grow faster than the average for nearly all other occupations. With its strengths in science, technology, engineering and mathematics (STEM) disciplines, K-State is uniquely positioned to provide the trained workforce that will address these global challenges head on.

To keep pace with these growing demands and to better serve the needs

of the state of Kansas, K-State proposes to expand its Department of Geology, more than doubling the number of undergraduate majors and graduate students over the next five years. To achieve this ambitious target, new investment is needed to accommodate the expansion, including building facilities and equipment.

K-State Geology lags behind peer institutions in terms of access to modern facilities and equipment for teaching and research. Our current facility, Thompson Hall, was not designed to support modern teaching, research and development activities. Its location on the southern edge of campus, physically distant from the other STEM disciplines, is a significant barrier to collaborative teaching and research and diminishes the educational experience of our students.

Investment in a new teaching and research facility, adjacent to the new engineering building and most of our

STEM programs, will complement the state's earlier investments in producing scientists and engineers who are prepared to work in a global environment with considerable resource limitations. With its focus on the instruction of STEM and collaborative research addressing global resource challenges, this new investment will continue to propel K-State toward its goal of being a top 50 public research university by 2025.

BUILDING FOR THE FUTURE

The 78,000-square-foot, state-of-the-art facility will match the campus limestone look on the outside while being energy efficient and adaptable inside. The building will have three floors, a basement and roof space, utilizing natural lighting throughout. The utilities infrastructure is designed to allow for expansion and upgrading later.



First floor will house interactive science-focused lecture halls and adaptive teaching spaces, a study lounge, a coffee shop, administrative offices and a soaring three-story atrium. The lecture halls will provide high-quality, multi-discipline teaching spaces for the large numbers of degree-specific and elective courses offered within the program.

Second floor will contain teaching labs, high-level classrooms, graduate teaching assistant offices and faculty offices.

Third floor will include four large analytical research laboratories, individual research labs and general labs in addition to researcher and faculty offices.

Lower level will house vibration-sensitive laboratory equipment, rock storage and shop spaces for sample preparation.

Roof penthouse will contain building mechanical and electrical infrastructure, allowing for greater flexibility in servicing the building's ever-changing laboratory needs.

Your investment in this \$45 million, cutting-edge building will ensure K-State students and faculty in the geosciences receive the education and research opportunities necessary to understand and solve the world's pressing problems.

KANSAS STATE
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You can help!

We invite you to become part of our exciting future. Contact us today to begin the discussion about how you can make a difference.

For more information, please contact:



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