



**KENTUCKY STATE
UNIVERSITY**

SCHOOL OF ENGINEERING AND TECHNOLOGY

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The School of Engineering & Technology is dedicated to preparing the next generation of innovators, problem-solvers, and leaders in a rapidly evolving technological world. Through a blend of rigorous academics, hands-on learning, and cutting-edge research, we equip students with the technical skills, creative thinking, and ethical grounding necessary to drive progress across industries. Our programs span core engineering disciplines and emerging fields, supported by state-of-the-art labs, industry partnerships, and a vibrant academic community. Whether pursuing undergraduate or graduate studies, students at the School of Engineering & Technology are empowered to shape the future.

At the School of Engineering & Technology, we don't just prepare students for jobs—we prepare them to become creators of the technologies, systems, and solutions that will shape the future of our society. Join us and be part of a community where curiosity meets purpose, and where engineering is more than a discipline—it's a catalyst for change.

Bachelor of Science Degree Offerings

Engineering and Technology offers the following options as Bachelor of Science majors:

- Manufacturing Engineering Technology (<https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-engineering-and-technology/manufacturing-engineering-technology-bs/>)

The Manufacturing Engineering Technology program at Kentucky State University is intended to prepare individuals to apply basic engineering principles and technical skills to the identification and resolution of production problems in the manufacture of products. The program includes instruction in machine operations, production line operations, engineering analysis, systems analysis, instrumentation, physical controls, automation, computer-aided manufacturing (CAM), manufacturing planning, quality control, and informational infrastructure. This program can offer graduating students an opportunity to build a rewarding career in additive manufacturing that is more focused than other broad-based models in order to meet the need of semi-conductor/chip manufacturing industry due to increasing demand for smart devices and smart automobiles.

- Biological & Agricultural Engineering (<https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-engineering-and-technology/biological-agricultural-engineering-bs/>)

Students in Biological and Agricultural Engineering Program at Kentucky State University will learn to apply fundamental knowledge of biological and physical sciences, mathematics, and engineering principles to formulate and solve engineering problems. Engineering design is integrated throughout the curriculum, along with opportunities to develop communication, learning, and teamwork skills, culminating in a capstone design experience. In addition, student would require to gain summer internship experience starting from sophomore year until graduation. In order to be successful biological and agricultural engineers, students need to acquire a set of skills, knowledge, and behaviors as they progress through the curriculum.

KSU's Engineering programs are utilizing ABET outcomes as the basis to begin moving for programmatic accreditation once approved by SACSCOC.

- Physics Minor (<https://kysu-public.courseleaf.com/undergraduate/business-engineering-technology/school-of-engineering-and-technology/physics-minor/>)

A minor in Physics requires the completion of at least 19 semester credit hours. The link takes you to specific course requirements.