COLLEGE OF ENGINEERING

The College of Engineering at the University is committed to excellence in undergraduate and graduate education. The College of Engineering was founded in 1914 and is the second oldest college at the University. The College consists of the departments of Biomedical Engineering, Chemical and Biomolecular Engineering, Civil Engineering, Electrical and Computer Engineering, and Mechanical Engineering. The current research focus of the College includes: tribology, lubrication, surfaces, advanced energy, transportation, separations/filtration, nanotechnology, aero-propulsion, catalysis, corrosion, controls, computational mechanics, manufacturing, bio-materials, smart materials, composites and civil structures, wellness, sensors and networks, and complex modeling and simulation. During the 1990 academic year the College adopted interdisciplinary procedures for the doctoral program and updated these in 2019. The program is truly interdisciplinary in nature.

The mission of graduate education in the College of Engineering is to:

• Train engineers and scientists to think critically and solve complex engineering problems.
• Train students to develop theory, methodology, and develop experimental skills to investigate emerging issues in engineering and science that effect state and national interests.
• Provide excellence in research findings via theses, doctoral dissertations, and research papers.
• Train students to be future educators as appropriate.
• Train students in industrial research as appropriate.
• Train students to work on interdisciplinary teams.

As the state positions itself in the forefront of engineering technology, appropriately trained scientists and engineers are needed in all fields. Our graduate programs provide training that equips students with the maturity and ability to assume leadership roles in engineering fields. The interdisciplinary nature of the College's graduate programs attracts a variety of students from a number of industries as well as government agencies.

College Website (https://www.uakron.edu/engineering)

• Biomedical Engineering (https://bulletin.uakron.edu/graduate/colleges-programs/engineering/biomedical-engineering)
• Chemical Engineering (https://bulletin.uakron.edu/graduate/colleges-programs/engineering/chemical-engineering)
• Civil Engineering (https://bulletin.uakron.edu/graduate/colleges-programs/engineering/civil-engineering)
• Electrical & Computer Engineering (https://bulletin.uakron.edu/graduate/colleges-programs/engineering/electrical-computer-engineering)
• Engineering, PhD (https://bulletin.uakron.edu/graduate/colleges-programs/engineering/engineering-phd)
• Mechanical Engineering (https://bulletin.uakron.edu/graduate/colleges-programs/engineering/mechanical-engineering)