COLLEGE OF ENGINEERING

Craig J. Hoff, Ph.D., P.E.
Dean of the College of Engineering
3-105 AB, 810-762-9856
coe@kettering.edu

The College of Engineering is home to the Departments of Electrical and Computer Engineering, Industrial and Manufacturing Engineering and Mechanical Engineering. Programs offered through the college focus on a variety of subject areas including embedded computer systems, signal process, control systems, robotics, manufacturing and human processes, safety, bioengineering, automotive design, alternative energy and much more.

Academic Programs

Chemical Engineering

Kettering offers one of only six ABET accredited chemical engineering programs in Michigan and it is definitely one of the best. Our faculty are not only outstanding, externally recognized researchers, they are also dedicated to teaching and offer a curriculum that is cutting edge, hands-on and relevant to solving real world problems in a variety of industries. Kettering Chemical Engineering students have a variety of co-op options in the automotive industry, the energy industry and the chemical industry and they can also apply to do sponsored research on campus for their co-op term, working on graduate level research alongside faculty mentors.

Computer Engineering

Computers are embedded in an incredible range of modern products: cell phones, cameras, games, appliances, cars, airplanes, spacecraft, medical and military equipment—and that means just about every industry needs computer engineers. And there’s no better place to learn how to lead the pack than Kettering. Small classes, professors who love to teach, state-of-the-art labs, co-op and experiential learning opportunities that starts in your first year—these are a few of the reasons to choose Kettering for computer engineering

Electrical Engineering

Electrical engineers pioneer novel solutions, design faster systems, and maximize reliability and safety. And there’s no better place to begin your EE career than Kettering. Small classes, state-of-the-art labs, co-op and experiential learning opportunities –these are a few of the reasons to choose Kettering for electrical engineering.

Engineering

The Bachelor of Science in Engineering program prepares students for careers in multidisciplinary engineering. The program includes a core set of engineering courses, which provides students with a foundation in computer, Electrical, Industrial, and Mechanical Engineering principles. Students will then select one of the following application areas: Manufacturing Systems Concentration, Mechatronics Systems Concentration, or Robotic Systems Concentration.

Industrial Engineering

Virtually every organization: banks, the military, theme parks, airlines, restaurants, retail companies, manufacturers, software companies, even hospitals, need industrial engineers to find new ways to improve quality, save money, and increase productivity. And there’s no better place to launch your career as an expert in innovation than Kettering.

Small classes, state-of-the-art labs, co-op and experiential learning opportunities—it’s no surprise that U.S. News & World Report has ranked us at the top for fourteen straight years.

Mechanical Engineering

Organizations everywhere need innovative MEs who can design smarter, faster, more fuel-efficient, and more cost-effective machines. And there’s no better place to start your career as an ME than Kettering. Small classes, state-of-the-art labs, co-op and experiential learning opportunities that start in your first year—it’s no surprise that U.S. News & World Report consistently ranks us as one of the nation’s top programs.

Minors

- Computer Engineering
- Electrical Engineering

Dual Majors

The department heads of the programs have agreed upon a curriculum that satisfies all requirements for the following dual majors. Dual major contracts are available in either of the listed department offices. Programs not listed require approval of the appropriate department head(s).

- Computer Engineering & Computer Science
- Electrical Engineering & Computer Science
- Electrical Engineering & Computer Engineering
- Industrial Engineering & Business Administration
- Mechanical Engineering & Electrical Engineering
- Mechanical Engineering & Applied Physics
- Mechanical Engineering & Industrial Engineering

Graduate Programs