



You will study in the Dr. Myron Wentz Science Center, our state-of-the-art facility equipped to accommodate the most sophisticated hardware, software and sustainable technologies.

# ENGINEERING AT NORTH CENTRAL COLLEGE

“At North Central College, we strive to create the ideal engineer: detailed where they need to be, a communicator and self-starter.”

– Dr. Frank Harwath, director of engineering



At North Central College you will find a community of people driven by a love for ideas and a deep desire to make an impact—cheering each other on as they cross new finish lines and learning from one another along the way.

Collaborate with like-minded peers and gain hands-on engineering experience in the Dr. Myron Wentz Science Center. Present original research findings at local, regional and national conferences. Explore internship opportunities at nearby research labs like Argonne National Laboratory and Fermi National Accelerator Laboratory, or with our industry partners in automation and robotics, energy technologies, biotechnology, oil and gas, fiber optics, and many others. The opportunities to build on your dreams are endless.



## NORTH CENTRAL ENGINEERING LABORATORIES



**Computing Applications Lab** hosts hands-on learning in software and hardware development using state-of-the-art computers, digital electronics and peripherals. This lab also serves to encourage and facilitate the use of computing technology to create innovative applications.

**HARTING Electronics Laboratory** is where both engineers and physics students are introduced to electronics and learn about basic circuit theory, component characteristics and how to operate electronic test equipment.

**High Power Electronics Laboratory** is a space for electrical engineers to design circuits intended to deliver large amounts of power to motors and other processing equipment. Utilize motor performance cells to monitor performance, identify problems and prevent premature failures.

**Manufacturing Processes Laboratory** provides hands-on learning in a real manufacturing environment. The lab also supports faculty and sponsored research, independent projects and a wide range of student extracurricular activities.

**Metrology Laboratory** is where students learn to make industrial measurements, evaluate material properties and perform accelerated life and stress testing. Gain additional experience diagnosing failure modes by microscopic examination of broken components.

**OMRON Design & Automation Laboratory** is intended to spark interest and activate student imagination. Learn the techniques needed to design and develop high quality prototypes, make parts on 3D printers, or learn about industrial control through utilizing the lab's robotic work cells and miniature automated production lines.