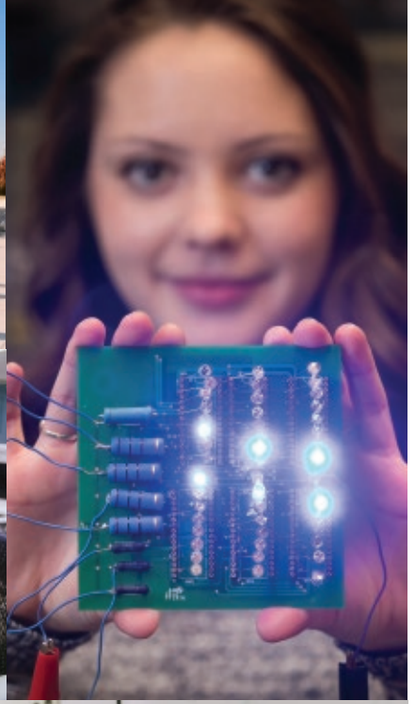
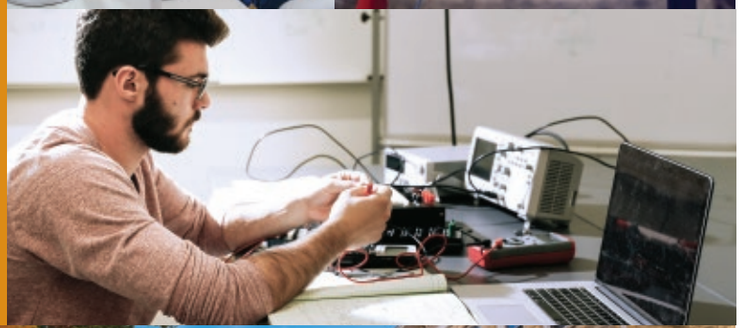
FOUR DEGREE PATHS. ONE COMMON MISSION.





COMPUTER ENGINEERING

Technology has the potential to address many societal issues, and engineers influence how new technologies are created and applied. Computer engineering students at North Central College go through hands-on learning with a focus on design and analysis of computing systems and applications. Computer engineering coursework consists of a mix of computer science and electrical engineering topics with an emphasis on project-based experience with software and hardware design. Students are encouraged and challenged to be creative and develop an entrepreneurial mindset.

ELECTRICAL ENGINEERING

Electrical engineers influence society by designing products that produce, conduct or use electricity—working with everything from microchips to massive power generators. Using the latest technology, you'll learn the engineering method, apply the high-level programming language of Python, and make parts on 3D printers. You'll become skilled in computer circuits and architecture, FPGA design, sensors, actuators, embedded processors, power electronics and motors. If it's electronic, you'll know how it gets its information, how it's programmed and what makes it respond.

MECHANICAL ENGINEERING

From day one, mechanical engineering students get hands-on experience using the latest design tools and simulation technology, practicing engineering methods, making parts on 3D printers and programming in Python. Dive into the details of materials, manufacturing processes, sensors and actuators, embedded processors and robot control systems. Rather than concentrating on textbook examples and memorization, you'll practice skills that you'll use in your career: solving problems, working in teams, writing reports and making presentations.

DUAL-DEGREE ENGINEERING PROGRAM

Pursue our dual degree (3-2) engineering option and earn two degrees in only five years through collaborations with other universities. Get the small school experience for your first three years at North Central, where you'll complete core science, engineering and math courses and earn a bachelor of science degree in chemistry or engineering physics. Then complete a second bachelor of science degree in two years in an engineering specialty like civil, aerospace, nuclear or chemical at a partnering university.