



DEPARTMENT OF ENGINEERING & COMPUTER SCIENCE

ACCEPT THE CHALLENGE™

Why choose engineering at Geneva?

Graduates of our general engineering program, which is accredited by the Engineering Accreditation Commission of ABET, www.abet.org, will be able to design effective solutions to engineering problems in accord with applicable standards, understand the mathematics and physical phenomena relevant to their fields and how these relate to a Christian worldview, and be familiar with state-of-the-art engineering equipment and methods relevant to their field.

- Geneva is one of only 15 CCCU schools in the nation that offers an ABET-accredited, four-year engineering program
- Engineering practice is interdisciplinary, and our general program provides broad exposure to the field.
- Our students work with industrial and governmental clients through Geneva's Pinkerton Center for Technology Development.
- Opportunities are available to participate in Solar Splash boating, Baja SAE all-terrain vehicle and Steel Bridge Design national intercollegiate competitions
- Our engineering program has been recognized as a Top 100 program in the nation three years in a row by *U.S. News & World Report*, and is currently ranked #86.

What degree options are available at Geneva?

A B.S. IN ENGINEERING (BSE), with concentrations in:

- BIOMEDICAL—Design, manufacture and ensure safe operation of prostheses, various diagnostic and therapeutic medical devices, imaging equipment, equipment for regenerative tissue growth, and equipment for pharmaceutical drug delivery
- CHEMICAL—Discover and manufacture better plastics, paints, fuels, medicines and other chemicals by carrying out chemical reactions and purifications
- CIVIL—Design, construct and operate physical works, as well as city and regional planning
- COMPUTER—Design, construct, implement and maintain computers and computer-controlled equipment
- ELECTRICAL—Apply electricity, magnetism and light to develop products and services
- ENVIRONMENTAL—Design pollution control technologies and environmental monitoring systems, as well as environmentally friendly products
- MECHANICAL—Design, manufacture and operate components, devices and systems, including vehicles, appliances and many other products

What can I do with an engineering degree from Geneva?

- Environmental, materials, chemical or biomedical engineering
- Geotechnical, structural, public works, water treatment or transportation engineering
- Consumer electronics, computer systems or information technology
- Plant, power or controls engineering

What are Geneva engineering graduates doing now?

- Working for employers such as IBM, General Electric, Westinghouse and Pratt & Whitney Aircraft
- Attending graduate school at Princeton, the University of Pittsburgh, Virginia Polytechnic Institute and Ohio State University

What are some classes I might take at Geneva?

- Solid Mechanics
- Engineering Thermodynamics
- Christian Ethics and Engineering
- Linear Circuit Analysis

Academic Organizations

- American Society of Civil Engineers (ASCE)
- American Society of Mechanical Engineers (ASME)
- Chemistry Club
- Institute of Electrical and Electronics Engineers (IEEE)
- Society of Women Engineers (SWE)

Now dig deeper...

...by visiting www.geneva.edu to find full descriptions of majors and concentrations, read current student stories, meet the faculty, schedule your campus visit and apply for admission.

Or contact the Admissions Office at 800.847.8255 or admissions@geneva.edu.

“The professor described how we, as engineers, have a responsibility to use our skills and talents to design things that will help mankind and protect the earth.””

David Howell, mechanical engineering grad