ELECTRICAL ENGINEERING
Focuses on all things electrical/electronic, including electronic devices, systems, and energy. This includes digital-based communication and control systems; electric power; devices and electrical circuits; and robotics and control systems.

MECHANICAL ENGINEERING
Focuses on machines, structures, devices, mechanical systems, and energy conversion systems. This encompasses areas such as energy, fluid mechanics, thermodynamics, mechanical design, manufacturing processes, robotics, and systems modeling.

LEARN FROM THE BEST
Our program director, Dr. Greg Harrell, has more frequent flyer miles than we think humanly possible (65 trips around the world), as he’s conducted energy assessments and training for industry clients on six continents, 28 countries, and 41 U.S. states. He’s also worked for the U.S. Department of Energy and the United Nations. He has engineering degrees from the University of Tennessee and Virginia Tech and has taught in both programs. AND he’s one of the most down-to-earth, personable, and enthusiastic Christians you’ll meet. He loves teaching engineering students about how they can change lives around the world. Dr. Harrell is one of six engineering faculty and a host of other Milligan professors, all of whom are scholarly teachers who care deeply for students.

CURRICULUM
Milligan engineering students receive rigorous preparation in science and mathematics in the context of the Milligan liberal arts curriculum. This foundation enriches engineering and technology components with an understanding of culture, arts, and the humanities, and encourages students to see how all subjects—and technological solutions—are interconnected. Small classes provide closer attention to student learning, progress, and success. Engineering at Milligan is a four-year program, but students may opt for a fifth-year in order to complete a co-op program.

Whether designing modern technological devices and systems or meeting the basic needs of the underserved and developing world, Milligan engineering grads will change people’s lives.

- IN-DEPTH CLASSICAL ENGINEERING CURRICULUM combining theory and practice
- LIBERAL ARTS FOUNDATION helps you understand and communicate with those you’ll serve
- CHRISTIAN WORLDVIEW encourages you to serve others and impact the world
- FACULTY MENTORING goes beyond the classroom
- APPLIED SPECIALIZATION LAB EXPERIENCE where you’ll apply knowledge and theory to real-world equipment and be skill-ready for the workforce
- INDUSTRY LEADERS READY TO HIRE Milligan engineering grads
FACILITIES
Two new engineering labs, located on Milligan’s campus, include an instructional lab for hands-on experimentation and class discussion and a multi-disciplinary design lab for student capstone projects. At Milligan, engineering education provides multiple opportunities for students to practice “hands-on” design in a multi-disciplinary environment.

ACCREDITATION
Academic programs associated with engineering are typically accredited by the Accreditation Board for Engineering and Technology, known as ABET. The Milligan engineering program will be seeking ABET accreditation. Accordingly, our program has been designed to meet their accreditation standards. Milligan will enter the accreditation process as students reach the appropriate milestones, as required by ABET. More information on ABET accreditation can be found at www.abet.org.

*Start of the program is pending approval from SACSCOC. Milligan College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, master's, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Milligan College.

ADMISSION
Apply to Milligan College and declare an electrical or mechanical engineering major. (Transfer students need to have their transcripts evaluated and a plan sheet developed to determine if any additional coursework or time is necessary to complete the program and degree.) Engineering coursework involves a demanding undergraduate curriculum, so students should exemplify exceptional study habits, mental preparedness, and dedication to purpose. Below are recommendations for entering engineering students:

- 3.5 high school GPA (3.0 cumulative for transfers)
- Composite ACT score of at least a 25 with at least a 25 in the math category (1130 SAT)
- Minimum 4 credits of high school mathematics: Algebra 1, Algebra 2, Geometry, Pre-Calculus or Trigonometry
- Minimum 3 credits of high school physical science: Chemistry 1, Chemistry 2, Physics 1, Physics 2

SCHOLARSHIP
An engineering scholarship is available for eligible students declaring an engineering major at the point of application. This can be combined with other Milligan institutional merit scholarships for up to $17,000 in academic scholarships. Students also may be eligible for need-based, state, and federal aid. Scholarships are limited, so apply early.

APPLY NOW: MILLIGAN.EDU/ENGINEERING
OFFICE OF ADMISSIONS
PO Box 210
Milligan College, TN, 37682
www.milligan.edu/engineering
admissions@milligan.edu
800.262.8337 | 423.461.8730

WHAT INDUSTRY LEADERS ARE SAYING

TPI CORPORATION (major U.S. heat and electrical equipment manufacturer):
“The markets that we sell—electrical and mechanical—mesh with the type of students that Milligan’s going to train in this program.”

NN Inc. (leading diversified industrial manufacturer):
“We have a need for more and more engineers. We are looking for a place to create a technical incubator, a place to expand our R and D resources, and we’re going to go to a place like Milligan that has engineering talent that we can take advantage of.”

NUCLEAR FUEL SERVICES (fuel supplier for U.S. Navy’s nuclear-powered vessels):
“Milligan provides well-rounded graduates with strong Christian values that would be a good fit for our organization. To have a feed of students who are ready to work, well-trained, and want to be in this area is a positive for us.”

ENGINEERING BUFFS