Engineering is a growing profession, and there is a significant need for well-trained engineers in the future, not only to fill entry-level positions in industry, but also to pursue research in graduate school and government labs and to provide leadership and innovation in all sectors of the economy. Milligan is uniquely positioned to educate engineering professionals to serve technology needs globally in industry, as well as the underserved and developing world.

ENGINEERING PROFESSIONS

Engineers work in a broad spectrum of industries, and the starting salaries for new engineers are consistently among the highest for recent college graduates. Electrical and mechanical engineering currently represent 35% of the total engineering graduates in the U.S. You can learn more about engineering as a career from a variety of websites, including the Institute of Electrical & Electronics Engineers (IEEE) and the American Society of Mechanical Engineers (ASME). The Bureau of Labor Statistics publishes salary and career outlook data.

CURRICULUM

The curriculum is designed to offer a well-rounded, competitive engineering curriculum in the context of the Milligan Christian liberal arts education. Engineering students will be prepared as ethical and compassionate leaders to apply the knowledge and skills of mathematics, science, and engineering to identify, formulate, and solve engineering problems in global, economic, environmental, and societal contexts.

ELECTRICAL ENGINEERING

Electrical Engineering (EE) focuses on electronic devices, systems, and energy conversion systems. This includes digital-based communication and control systems; generation, transmission, and distribution of electric power; electronic devices and electrical circuits for producing, detecting, and controlling electrical signals; and robotics and control systems.

MECHANICAL ENGINEERING

Mechanical Engineering (ME) focuses on machines, structures, devices, mechanical systems, and energy conversion systems. It is the broadest of all engineering disciplines, and encompasses areas such as energy, fluid mechanics, thermodynamics, mechanical design, manufacturing processes, robotics, and systems modeling. Mechanical engineers are employed in nearly every kind of industry, and this major provides many future employment opportunities for its graduates.

FACILITIES

The heart of engineering is often described as "design," and, at Milligan, engineering education will provide multiple opportunities for students to practice design in a multi-disciplinary environment. This is a "hands-on" educational experience. Two main engineering labs will include an instructional lab for hands-on experimentation and class discussion and a multi-disciplinary design lab for student capstone projects.

ACCREDITATION

Specialized accreditation: Academic programs associated with engineering are typically accredited by the Accreditation Board for Engineering and Technology (ABET). Milligan's engineering program has been designed to meet their accreditation standards. Milligan will enter the ABET accreditation process as students reach the appropriate milestones. More information on ABET accreditation can be found at http://www.abet.org.

Institutional accreditation: Milligan College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate and master's 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.

Visit www.milligan.edu/engineering for curriculum and details. Apply by October 2015 to be part of our inaugural 2016 class!