The Bachelor of Science in Engineering in the School of Mathematics, Science and Engineering at the University of the Incarnate Word develops highly skilled, highly educated engineering professionals ready to succeed in the lab, in the field or in the C-suite.

The B.S. in Engineering is a 129-hour degree program that combines a strong core of math, science and engineering courses with an intensive study in one of four tracks. Students can choose from electrical, mechanical, management and mechatronics tracks based on their career or academic goals.

The Electrical Track provides students a strong foundation in engineering principles with an emphasis on the programming of devices, signal analysis, electrical frequencies, interpretation of random signals, feedback systems, control of systems, tradeoffs between sensitivity and performance, and control theory. Students have options to work on robotics and other devices. Graduates specializing in this track are also prepared to pursue a graduate degree in electrical engineering.

Engineering students also have the opportunity to work with faculty on ongoing research projects, among them are Unmanned Aircraft Systems (UAS) as part of the department’s Autonomous Vehicle Systems (AVS) Lab.

The Capstone course challenges students to apply their engineering education and apply it as a solution or innovation to a contemporary issue.

The requirements for admission to the B.S. in Engineering program are the same as the requirements for admission to the University of the Incarnate Word.
129 hours needed to complete the B.S. in Engineering with an Electrical track.

More information | bit.ly/uiw-engineering