Engineering and Information Technology, MS

The rapid expansion of computer, information, and advanced manufacturing technology throughout all segments of business and industry is creating challenges for companies that seek to keep pace with the latest technological and engineering advancements. The MS in engineering and information technology program is intended to provide a rigorous, yet broadly accessible platform for practicing BS-level engineers and bachelor’s degree graduates from other related disciplines to obtain advanced training in contemporary engineering and information technology areas.

Rather than focusing in one area, the MS program provides a breadth of exposure to areas that are key to the design, implementation, and manufacturing of complex, smart systems. This exposure includes coursework in software engineering, networking, cloud computing, machine learning, robotics, advanced manufacturing, testing/quality assurance, and associated legal, regulatory, environmental, and ethical issues.

The MS in engineering and information technology is administered by the College of Engineering.

Requirements

Applications for the MS in engineering and information technology are not being accepted at this time.

The Master of Science program in engineering and information technology requires 30 s.h. of graduate credit. Students must maintain a cumulative grade-point average of at least 3.00. Students are allowed up to 6 s.h. of approved transfer credit.

Students work with an academic advisor to formulate a plan of study. The degree requires 12 s.h. of core courses and 18 s.h. in a subprogram—information technology or mechanical engineering.

Admission

Applicants must meet the admission requirements of the Graduate College; see the Manual of Rules and Regulations on the Graduate College website.

Applicants must have a bachelor’s degree in engineering, computer science, or a related field and an undergraduate grade-point average (GPA) of at least 3.00. Those whose GPA is slightly below 3.00 may be considered for admission. No Graduate Record Examination (GRE) General Test scores are required.

Those whose first or official language is not English must score as follows on the Test of English as a Foreign Language (TOEFL): a score of 550 or higher on the paper-based (PBT) version or a score of 81 or higher on the internet-based (IBT) version.