The Master of Science in Industrial Engineering (MS) degree consists of two options: a 30-credit hour research oriented program requiring a thesis or a 30-credit hour application oriented program requiring a project report. The MS Industrial Engineering thesis option curriculum is built upon the choice of a concentration area around which students can mold their overall academic effort including six hours of research. The three current focus areas are Operations Research and Statistics, Manufacturing/Production/Service Systems and Human and Enterprise Systems. Other focus areas are in development. The MS Industrial Engineering project option requires three hours of an approved project advised by a faculty member in lieu of a thesis, and one more course.

Master of Engineering

The Master of Engineering (ME) degree is a non-research thirty-six-credit-hour program designed to be a terminal degree. The Master of Engineering (ME) degree is a non-research thirty-six-credit-hour program for U.S. students designed to be a terminal degree. The ME curriculum is based upon a seven-course core with the remaining 15 hours made up of courses appropriate to the student’s concentration area.

Dual Master’s Degree Programs: Master of Science and MBA

The Department of Industrial and Manufacturing Systems Engineering, in cooperation with the College of Business, offers a dual master’s degree program for those students who wish to combine the specialized skills of the industrial engineer with the general knowledge of the professional manager. The program was developed in recognition of the fact that solutions to organization problems often require that the engineer’s analytical abilities be applied simultaneously with the manager’s integrative perspective. This dual program has been carefully structured to provide the necessary academic background to obtain an MS in industrial engineering and an MBA simultaneously, in a minimum amount of time, usually two academic years.

Master of Science and MHA

The Department of Industrial and Manufacturing Systems Engineering, in cooperation with the health services management program of the School of Medicine, offers a dual master’s degree program to prepare its graduates for careers in the design and administration of health-care delivery systems and organizations. The program was developed in recognition of the highly complex nature of health-care organizations. The program’s basic objective is to fuse competencies in health-service management and in health-systems design. The required courses in the industrial engineering program serve as the area of specialization in the health services management program, and the required courses in the health-services management program are used as electives in the industrial engineering program. As a result, it is possible for the student to earn an MHA in health-services management and an MS in industrial engineering simultaneously.

Application Deadlines

Applications accepted throughout the year.