



**MASTER OF SCIENCE
IN ENGINEERING &
INFORMATION
TECHNOLOGY**

MSEIT

Industrial practices are rapidly evolving in response to continual advances in engineering and computing technologies. To keep abreast of these changes, you need to have the most current knowledge and skills. Our new Master of Science in Engineering and Information Technology is designed specifically for this purpose.

TAILORED TO YOUR NEEDS

Choice of specialization in Engineering or Information Technology. Students may opt to create their own program by combining coursework from both specializations.

INTERDISCIPLINARY FOCUS

A set of common core courses insures broad, interdisciplinary coverage to complement the technical depth provided by the specialization areas.

LOCALLY TAUGHT BY PROFESSIONALS

All courses are offered on-site in the Quad Cities and are taught jointly by experienced UI Professors and practicing industry experts.

Get additional information or apply on-line at
<https://www.engineering.uiowa.edu/mseit>
(319)467-1090

UNIQUE PROGRAM

- One-of-a-kind interdisciplinary program combining engineering and information technology.
- Practical focus designed to be directly relevant to industrial practice.
- Live classroom environment combining the rigor of an advanced academic degree with the practical expertise of in-the-field experts.

AT A GLANCE

FORMAT

- Part-time, off-campus
- All lectures are live and on-site.

PROGRAM REQUIREMENTS

- 10 courses (30 semester hours)
- Possible to complete in 5 semesters

ADMISSION REQUIREMENTS

- Bachelor degree in engineering, computer science, information technology, or a related field
- Undergraduate GPA of 3.0 or higher. (Students with slightly lower GPAs may be considered for conditional admission.)
- GRE Exam is not required

The MSEIT program courses may qualify for company tuition reimbursement programs (check with your company) and/or federal tax credits.

CURRICULUM

COMMON CORE

- Modern Automation and Control
- Modern Information Systems
- Applied Artificial Intelligence
- Cyber-physical Systems

ENGINEERING SPECIALIZATION

- Machine Learning and Scientific Computing in Engineering
- Manufacturing Process and Modeling
- Mechanical Design and Realization
- Kinematics of Modern Robotics
- Advanced Control Engineering
- Mechanical Component Durability and Integrity Analysis

IT SPECIALIZATION

- Software Engineering Methods, Tools, and Frameworks
- Enterprise Software Engineering
- HCI Design and Human Experience
- Cybersecurity
- Modern Database Systems
- Big Data and Machine Learning

