

# Master of Industrial Engineering



## Master of Industrial Engineering

### Program Overview

Industrial engineers are in the business of making things work better – and every industry can benefit from that. The field gives its practitioners an education in engineering and business, and the opportunity to work in a variety of fields such as bio- and nano- as well as traditional manufacturing, health care, entertainment, shipping and logistics, public utilities, telecommunications and management consulting.

The Master of Industrial Engineering (MIE) distance education program is designed for students with an undergraduate degree in engineering or in the behavioral, physical, or mathematical sciences. It is a 33 credit hour degree program that does not require a thesis, final oral exam or on-campus residency.

### Admission Requirements

- Bachelor's degree from an accredited college or university in an engineering or related discipline. The discipline does not have to be industrial engineering but it must have a strong engineering/mathematical curriculum.
- An overall undergraduate GPA of at least 3.0.
- Completion of the Graduate Record Exam (GRE) for all applicants.
- TOEFL or IELTS scores (no more than two years old) for international applicants unless they have completed one year of study at a university in the United States.
- Three letters of recommendation from persons able to comment on the applicant's qualifications for graduate study.
- You can find out more about admission requirements at <https://www.ise.ncsu.edu/future-students-parents/admissions/>.

### Degree Requirements

- Completion of 33 credit hours of graduate courses at the 500 or 700 level with an overall GPA of 3.0 with 21 hours in industrial engineering courses.
- Course load must include one course from four of the five industrial engineering breadth areas and one course from an approved list of statistics, mathematics or computer science courses.
- Remaining six courses should be taken in industrial engineering (preferably) or other graduate level courses offered through Engineering Online.
- All degree requirements must be completed within six years and, except for summer sessions, a student must remain continuously enrolled for a minimum of one course per fall and spring semesters until graduation. A leave of absence can be granted for two semesters with reasonable justification.
- No thesis requirement.
- Details can be found at <https://www.ise.ncsu.edu/future-students-parents/degrees/mie/>.

## Course Registration

It is preferable to seek admission to the MIE program as soon as possible to assure integration into the advising process. However, a person does not have to be admitted to a degree program to enroll in an online credit course. Prior to applying to Graduate School, a qualified individual may enroll in Engineering Online courses as a Non-Degree Studies (NDS) student. The NDS classification is designed for individuals who wish to undertake academic work but who are not currently admitted to a degree program. If the student is admitted to the MIE program, a maximum of twelve hours taken as a NDS student or from another institution may apply toward the 33 credit hour requirement.

Students register for online courses through Engineering Online. Those who wish to take only a few courses and not pursue a degree do not need to apply for formal program admission to NC State University. However, students who wish to earn the MIE degree must apply for admission to the Graduate School at <https://applygrad.ncsu.edu/apply/>. When completing the online application, please be sure to select the "Distance Track" version of the degree.

To register for an Engineering Online course, complete the registration form on the Engineering Online website at <https://www.webtools.ncsu.edu/engronline/index.php>. Students cannot register through the University MyPack Portal system for Engineering Online courses.

## Course Offerings

A list of distance education courses available for each semester can be found on the Engineering Online website. Full-time employed individuals may only enroll in two online courses per semester. It is highly recommended that new students enroll in only one course during their first semester.

For a list of distance education courses approved for the fall, spring or summer semester, visit the Engineering Online web site at <https://www.engineeringonline.ncsu.edu/apply-and-enroll/online-courses/>.

## Course Logistics

Online courses are the same as on campus courses in terms of content, requirements and academic rigor. On-campus class lectures are captured, digitized and placed on the Internet for distance students to access at any time and from any location. Students must, however, follow the on-campus class schedule in terms of submitting homework and taking exams. Course assignments, lecture notes, and handouts are made available to distance students on the course website. All in-class exams must be proctored.

## Contact Information

- For more information about the MIE program available online, contact:

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Edward P. Fitts Department of Industrial and Systems Engineering  
Telephone: 919.515.6417  
Email: [fathi@ncsu.edu](mailto:fathi@ncsu.edu)  
Department website: <https://www.ise.ncsu.edu/>

- For more information about the registration process, course offerings and course logistics, contact:

Dr. Linda Krute, Director of Distance Education Programs  
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