



NC STATE UNIVERSITY

MASTER OF INDUSTRIAL ENGINEERING ONLINE

Industrial engineering is about figuring out how to do things better. It combines the physical and social sciences together with engineering principles to improve processes and systems. As a result, it is considered the “people person’s” engineering. Industrial engineers improve quality and productivity while at the same time cutting waste like time, materials, money, and energy.

This is why many industrial engineers often get promoted to management positions. For the same reason, industrial engineering is an excellent choice for anyone wanting to run their own business.

The Master of Industrial Engineering (MIE) distance education program is designed for students with an undergraduate degree in engineering or a STEM-related field. It is a 30 credit hour degree program that does not require a thesis, final oral exam or on-campus residency.

Admission Requirements

- You will need a bachelor’s degree from an accredited college or university in an engineering or related discipline. It does not have to be industrial engineering but it must have a strong engineering/mathematical curriculum.
- Your overall undergraduate GPA must be at least 3.0.
- You must have completed the Graduate Record Exam (GRE).
- Your TOEFL or IELTS scores (no more than two years old) if you are an international applicant unless you have completed one year of study at a university in the United States.
- Three (3) letters of recommendation from persons able to comment on your qualifications for graduate study.
- You can find out more about our admission requirements at <https://www.ise.ncsu.edu/future-students-parents/admissions/#graduate-admissions>.

Contact Information

For information about the online MIE program

ISE Graduate Office
919.515.6410

ise-gradoffice@ncsu.edu
<https://www.ise.ncsu.edu>

For information about registration, course offerings and logistics

Dr. Linda Krute, Director of Distance Education Programs
919.515.5440

linda_krute@ncsu.edu
<https://www.engineeringonline.ncsu.edu>

Degree Requirements

- A **minimum of 30** credit hours is required, of which at least 21 hours must be in Industrial and Systems Engineering.
- At least **24** hours of the 30 must be at the 500 level or above.
- At least one (1) 700 or 800 level ISE course must be included in the Plan of Graduate Work.
- Project work for the degree is optional; up to **three (3)** hours of credit for ISE 677 may be allowed toward the degree.
- As a breadth requirement, you must select one (1) course from four (4) of the five (5) breadth requirement groups (Groups A – E) in ISE **plus** one (1) course from Group F (Computer Science, Mathematics, or Statistics), for a total of 15 credit hours.
- No more than six (6) hours of 400-level coursework are permitted on the Plan of Graduate Work from **outside** the ISE Department.
- Discover more 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, you do not have to be admitted to a degree program to enroll in an online credit course. Prior to applying to Graduate School, If qualified, you 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 you are admitted to the MIE program, a maximum of 12 hours taken as a NDS student or from another institution may apply toward the credit hour requirement.

You can register for online courses through Engineering Online. If you wish to take only a few courses and not pursue a degree, you do not need to apply for formal program admission to NC State University. However, if you wish to earn the MIE degree, you must apply for admission to the Graduate School at <https://applygrad.ncsu.edu/apply/>.

To register for an Engineering Online course, you must complete the registration form on our website at <https://www.webtools.ncsu.edu/engronline/index.php>. you 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](#). If you are working full-time, you may only enroll in two online courses per semester. It is highly recommended that you enroll in only one course during your first semester.

For a list of distance education courses approved for the fall, spring or summer semester, visit the [Engineering Online website](#).

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 you to access at any time and from any location. You 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 you on the course website. All in-class exams must be proctored.