Engineering

The Master of Engineering (MR) distance education degree program is designed for students with an undergraduate degree in engineering or a closely related field who wish to pursue a graduate degree in engineering. The program was created to address the needs of students whose schedule or location does not allow on-campus study, working professionals who wish to obtain an advanced degree or those who wish to change fields within engineering. It is a 30-credit-hour degree program which does not require a thesis, final oral exam or on-campus residency. Students design the plan of study which best meets their career or educational goals, taking courses from at least two engineering disciplines to create a general degree program.

Convenience and flexibility are the key advantages of this interdisciplinary degree program that can be earned totally at a distance with no GRE, thesis, or final oral exam requirements. The Master of Engineering degree allows students to choose from different subplans from the many disciplines of engineering within the College of Engineering or to design their own degree plans that best meet their career or employment goals. Students may identify an area of concentration. **All concentration area classes MUST be taken from the College of Engineering at NC State University.** The concentration will appear on the student's transcript if 5 or 6 courses are taken in that specialty area. **No double concentration is allowed** (5 in one area plus 5 in another area). **No more than 6** classes will be allowed in a single area whether a concentration is declared or not.

The program does not offer financial assistance. The Office of Scholarships and Financial Aid (OSFA) assists students in applying for and securing financial assistance for educational expenses. OSFA can help with all questions about financial aid, and guide students to available scholarships, grants, and loans.

More Information

Engineering Program Website (https://www.engr.ncsu.edu/academics/grad/degrees/master-of-engineering/)

Distance Website (http://engineeringonline.ncsu.edu/)

Admission Requirements

- Bachelor's degree from an accredited college or university in engineering, computer science, mathematics, physics or related sciences with a minimum overall grade point average of 3.0. Individuals who do not have an undergraduate degree in these areas or do not meet the GPA requirement may have to complete certain prerequisites before being admitted to the program.
- Must have completed an engineering-based calculus series including differential equations prior to applying to the program.
- GRE scores are not required but are highly preferable.
- All international applicants from non-English-speaking countries must take the TOEFL or IELTS exams unless they have completed one year or more of study in the United States, Canada or Great Britain.
- All international applicants must provide an officially translated transcript certifying course-by-course equivalence with the US grading system and showing the cumulative GPA. A list of accredited foreign credential evaluation services can be found via NACES (National Association of Credential Evaluation Services) at https://naces.org/members/.

Applicant Information

- **Delivery Method:** Online
- **Entrance Exam:** None
- **Interview Required:** None

Application Deadlines

- **Fall:** June 25 (US); March 1 (Intl)
- **Spring:** November 25 (US); July 15 (Intl)
- **Summer 1:** March 25 (US); December 15 (Intl)
- **Summer 2:** May 10 (US); December 15 (Intl)

Degrees

- Engineering (MR) (https://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr/)
- Engineering (MR): Aerospace Engineering Concentration (https://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-aerospace-engineering-concentration/)
- Engineering (MR): Chemical Engineering Concentration (https://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-chemical-engineering-concentration/)
- Engineering (MR): Computer Engineering Concentration (https://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-computer-engineering-concentration/)
- Engineering (MR): Computer Science Concentration (https://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-computer-science-concentration/)
- Engineering (MR): Engineering Management Concentration (https://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-engineering-management-concentration/)
- Engineering (MR): Industrial Engineering Concentration (https://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-industrial-engineering-concentration/)
- Engineering (MR): Materials Science and Engineering Concentration (https://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-materials-science-engineering-concentration/)
- Engineering (MR): Mechanical Engineering Concentration (https://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-mechanical-engineering-concentration/)
- Engineering (MR): Nuclear Engineering Concentration (https://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-nuclear-engineering-concentration/)

Faculty

Full Professors

Morton A. Barlaz

Mohamed Abdelhay Bourham

Mo-Yuen Chow

Jerome J. Cuomo

Alexandra Duel-Hallen

Yahya Fathi

Paul D. Franzon

Edward F. Gehringer

Jan Genzer

Richard David Gould

Christine S. Grant

Saad A. Khan

Carl C. Koch

James M. Nau

Gregory N. Parsons

Harilaos George Perros

Sanmugavadivel Ranjithan

Douglas Stephen Reeves

Georgios Rouskas

Lawrence M. Silverberg

Munindar P. Singh

J. K. Townsend

Henry J. Trussell

Ioannis Viniotis

Mladen Alan Vouk

Associate Professors

Jeffrey W. Eischen

Jerome Philip Lavelle

Practice/Research/Teaching Professors

Lisa G. Bullard

Adjunct Faculty

Linda D. Krute