

# Engineering

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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 must identify an area of concentration from which they will complete 3 to 6 classes. **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.**

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.

## Degrees

- Engineering (MR) (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr/>)
- Engineering (MR): Aerospace Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-aerospace-engineering-concentration/>)
- Engineering (MR): Chemical Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-chemical-engineering-concentration/>)
- Engineering (MR): Computer Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-computer-engineering-concentration/>)
- Engineering (MR): Computer Science Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-computer-science-concentration/>)
- Engineering (MR): Engineering Management Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-engineering-management-concentration/>)
- Engineering (MR): Industrial Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-industrial-engineering-concentration/>)
- Engineering (MR): Materials Science and Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-materials-science-engineering-concentration/>)

- Engineering (MR): Mechanical Engineering Concentration (<http://catalog.ncsu.edu/graduate/engineering/engineering/engineering-mr-mechanical-engineering-concentration/>)
- Engineering (MR): Nuclear Engineering Concentration (<http://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

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### Associate Professors

Jeffrey W. Eischen

Jerome Philip Lavelle

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**Practice/Research/Teaching Professors**

Lisa G. Bullard

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**Adjunct Faculty**

Linda D. Krute