Master of Engineering

Program Overview

The Master of Engineering distance education 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 for on-campus study, working professionals who wish to obtain an advanced degree, or those who wish to change fields within engineering. 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 30-credit hour program allows students to design the plan of study which best meets their career or educational goals.

Admission Requirements

- Bachelor’s degree from an accredited college or university in engineering, computer science, mathematics, physics or related sciences. Individuals who do not have an undergraduate degree in these areas 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.
- A minimum overall undergraduate grade point average of 3.0.
- All international applicants must take the TOEFL or IELTS exam (scores no more than two years old) unless they have completed one year of study in the United States.
- All international applicants must provide an officially translated transcript (certifying course-by-course equivalence and a GPA in the US grading system) from an accredited foreign credential evaluation service.
- A completed online application
- Official transcripts of all universities or colleges attended
- Personal statement
- Three (3) letters of recommendation

Degree Requirements

- Completion of 30 credit hours of graduate level courses with an overall grade-point average of 3.0.
- All classes must be graded, NOT audited, meaning all 30 hours must be in graded classes.
- Completion of 21 hours of engineering classes with at least 18 hours taken from the College of Engineering, and from more than one engineering discipline or Computer Science. The remaining 9 hours can be in other related classes, such as science, business, or math. Other subjects are allowed with advisor approval.
- A minimum of three (3)/maximum of six (6) courses from a single specialty area to create a subplan/concentration.
- The subplan/concentration will appear on the student’s transcript if five or more courses are taken in within that specialty area. All subplan classes must be taken from the College of Engineering at NC State- no transfer credits will count toward subplan requirements. Students may choose only ONE subplan.
• Completion of the degree program within six years. Students must remain continuously enrolled for a minimum of one course per fall and spring semesters until graduation (summer classes are offered; summer enrollment is optional). A leave of absence can be granted for two semesters under reasonable justification.
• Creation of a graduate Plan of Work (POW) after 15 credit hours have been completed. The POW is approved by the program advisor and the Graduate School, and ensures that students are successfully fulfilling the requirements of the program.

Subplan/Concentration Fields:
• Aerospace Engineering
• Chemical Engineering
• Computer Engineering
• Computer Science
• Electrical Engineering
• Engineering Management
• Industrial Engineering
• Mechanical Engineering
• Materials Science and Engineering
• Nuclear Engineering

Please note that there is no concentration in Civil Engineering.

Course Registration
Students who wish to earn the Master of Engineering degree must formally apply for admission with NC State’s Graduate School (www.ncsu.edu/grad). It is preferable to seek admission to the Master of Engineering program before enrolling for classes, but it is possible to enroll in engineering classes without being accepted into a degree program. Qualified individuals may enroll as Non-Degree-Seeking (NDS) students. Should NDS students decide they wish to pursue a degree, up to twelve (12) credit hours of coursework may be transferred into the Master of Engineering program. After being admitted to NC State as either a degree-seeking or non-degree-seeking student, registration for online engineering classes is completed by going to www.engineeringonline.ncsu.edu and clicking on “Registration”. Students cannot register through the University MyPack Portal system for Engineering Online courses.

Graduation
Graduates are encouraged to attend the University Graduation Commencement for their respective graduation in the fall or spring. The Master of Engineering Program will hold ONE graduation reception every year in the spring during the university spring graduation commencement.

For More Information
For more information about the Master of Engineering degree online program, visit www.go.ncsu.edu/mreng or contact:

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