

Nanoengineering, MS

Joint School of Nanoscience and Nanoengineering

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The Master of Science in Nanoengineering degree program is a research master's degree, featuring coursework involving engineering at the nanoscale. It is designed for students with a strong background in engineering or applied science who seek additional, specialized training for industrial or government positions in fields that utilize nanotechnology. Students will have the opportunity to work in one or more of the following research areas: synthetic biology, nanomaterials & nanomanufacturing, nanobioelectronics & nanomaterials-based devices, environmental nanotechnology, and computational nanotechnology.

Additional Admission Requirements

- Bachelor's degree in engineering or a closely related field
- GRE scores and for international applicant TOEFL/IELTS scores
- Three professional recommendation letters with two of them from University faculty members
- Current curriculum vitae & personal statement

Degree Requirements

Total credit hours: 30

- Core courses (Select 15 credit hours): NANO 701 and NANO 705 are mandatory and select other 3 core courses from NANO 702, 703, 704, 781, 782.

Thesis option:

- Select 9 credit hours from NANO 700-899 excluding 790-799 and 851-859, or consortium courses NAN 600-699 (UNCG) excluding NAN 621, 622, 628 or other courses with approval by the advisor and graduate coordinator/department chair
- Thesis (NANO 797: 6 credits)
- Participate in all JSNN Seminars
- Pass thesis defense

Project Option:

- Select 12 credit hours from NANO 700-899 excluding 790-799 and 851-859, or consortium courses NAN 600-699 (UNCG) excluding NAN 621, 622, 628 or other courses with approval by the advisor and graduate coordinator/department chair
- Project (NANO 796: 3 credits)
- Participate in all JSNN Seminars