

COLLEGE OF ENGINEERING

The College of Engineering comprises eight academic units of instruction and research. These units offer programs of study and research leading to bachelor's, master's, and doctoral degrees. Some also offer programs in one or more subdisciplines or subspecialties.

The programs in engineering are designed to provide a fundamental understanding of the engineering sciences (which are based on mathematics and the natural sciences), of the basic concepts of the humanities and social sciences, and an understanding of the manner in which these elements are interwoven in engineering practice. Each curriculum provides enough flexibility through elective course opportunities to permit a certain amount of program individualism while meeting basic requirements.

The following undergraduate engineering programs are accredited by the Engineering Accreditation Commission of ABET, www.abet.org (<http://www.abet.org>).

- Bachelor of Science in Aerospace Engineering
- Bachelor of Science in Biomedical Engineering
- Bachelor of Science in Chemical and Biomolecular Engineering
- Bachelor of Science in Civil Engineering
- Bachelor of Science in Computer Engineering
- Bachelor of Science in Electrical Engineering
- Bachelor of Science in Environmental Engineering
- Bachelor of Science in Industrial Engineering
- Bachelor of Science in Materials Science and Engineering
- Bachelor of Science in Mechanical Engineering
- Bachelor of Science in Nuclear and Radiological Engineering

The Master of Science in Medical Physics and the PhD with a major in Nuclear Engineering - Medical Physics Option programs are accredited by the Commission on Accreditation of Medical Physics Educational Programs, CAMPEP, www.campep.org/campeplstgrad.asp (<http://www.campep.org/campeplstgrad.asp>).

- Aerospace Engineering. Minor (<http://www.catalog.gatech.edu/programs/minor-aerospace-engineering>), BS (<http://www.catalog.gatech.edu/programs/aerospace-engineering-bs>), MS (<http://www.catalog.gatech.edu/programs/aerospace-engineering-ms>), PhD (<http://www.catalog.gatech.edu/programs/aerospace-engineering-phd>)
- Analytics. MS (<http://www.catalog.gatech.edu/programs/analytics-ms>)
- Bioengineering. MS (<http://www.catalog.gatech.edu/programs/bioengineering-ms>), PhD (<http://www.catalog.gatech.edu/programs/bioengineering-phd>)
- Bioinformatics. PhD (<http://www.catalog.gatech.edu/programs/bioinformatics-phd>)
- Biomedical Engineering. Minor (<http://www.catalog.gatech.edu/programs/minor-biomedical-engineering>), BS (<http://www.catalog.gatech.edu/programs/biomedical-engineering-bs>)
- Chemical and Biomolecular Engineering. BS (<http://www.catalog.gatech.edu/programs/chemical-biomolecular-bs>)
- Civil Engineering. BS (<http://www.catalog.gatech.edu/programs/civil-engineering-bs>), MS, (<http://www.catalog.gatech.edu/programs/civil-engineering-ms>)

engineering-ms) PhD (<http://www.catalog.gatech.edu/programs/civil-engineering-phd>)

- Computational Science and Engineering. MS (<http://www.catalog.gatech.edu/programs/computational-science-engineering-ms>), PhD (<http://www.catalog.gatech.edu/programs/computational-science-engineering-phd>)
- Computer Engineering. BS (<http://www.catalog.gatech.edu/programs/computer-engineering-bs>), BS/MS (<http://www.catalog.gatech.edu/programs/computer-engineering-bs/#designatorsoptionstext>)
- Electrical Engineering. BS (<http://www.catalog.gatech.edu/programs/electrical-engineering-bs>), BS/MS (<http://www.catalog.gatech.edu/programs/electrical-engineering-bs/#designatorsoptionstext>)
- Electrical and Computer Engineering. MS (<http://www.catalog.gatech.edu/programs/electrical-computer-engineering-ms>), PhD (<http://www.catalog.gatech.edu/programs/electrical-computer-engineering-phd>)
- Energy Systems. Minor (<http://www.catalog.gatech.edu/programs/minor-energy-systems>)
- Engineering and Business. Minor (<http://www.catalog.gatech.edu/programs/minor-engineering-business>)
- Engineering Science and Mechanics. MS (<http://www.catalog.gatech.edu/programs/engineering-science-mechanics-ms>), PhD (<http://www.catalog.gatech.edu/programs/engineering-science-mechanics-phd>)
- Environmental Engineering. BS (<http://www.catalog.gatech.edu/programs/environmental-engineering-bs>), MS (<http://www.catalog.gatech.edu/programs/environmental-engineering-ms>), PhD (<http://www.catalog.gatech.edu/programs/environmental-engineering-phd>)
- Global Development. Minor (<http://www.catalog.gatech.edu/programs/minor-global-development>)
- Health Systems. MS (<http://www.catalog.gatech.edu/programs/health-systems-ms>)
- Industrial Engineering. BS (<http://www.catalog.gatech.edu/programs/industrial-engineering-bs>), MS (<http://www.catalog.gatech.edu/programs/industrial-engineering-ms>)
- Industrial Engineering. PhD (<http://www.catalog.gatech.edu/programs/industrial-engineering-phd>)
- International Logistics. MS (<http://www.catalog.gatech.edu/programs/international-logistics-ms>)
- Leadership Studies. Minor (<http://www.catalog.gatech.edu/programs/minor-leadership-studies>)
- Machine Learning. PhD (<http://www.catalog.gatech.edu/programs/machine-learning-phd>)
- Materials Science and Engineering. Minor (<http://www.catalog.gatech.edu/programs/minor-materials-science-engineering>), BS (<http://www.catalog.gatech.edu/programs/materials-science-bs>), BS/MS (<http://www.catalog.gatech.edu/programs/materials-science-engineering-bs-ms>), MS (<http://www.catalog.gatech.edu/programs/materials-science-engineering-ms>), PhD (<http://www.catalog.gatech.edu/programs/materials-science-phd>)
- Mechanical Engineering. BS (<http://www.catalog.gatech.edu/programs/mechanical-engineering-bs>), MS (<http://www.catalog.gatech.edu/programs/mechanical-engineering-ms>), PhD (<http://www.catalog.gatech.edu/programs/mechanical-engineering-phd>)

- Medical Physics. MS (<http://www.catalog.gatech.edu/programs/medical-physics-ms>)
- Nuclear Engineering. MS (<http://www.catalog.gatech.edu/programs/nuclear-engineering-ms>), PhD (<http://www.catalog.gatech.edu/programs/nuclear-engineering-phd>)
- Nuclear and Radiological Engineering. Minor (<http://www.catalog.gatech.edu/programs/minor-nuclear-radiological-engineering>), BS (<http://www.catalog.gatech.edu/programs/nuclear-radiological-bs>)
- Operations Research. MS (<http://www.catalog.gatech.edu/programs/operations-research-ms>), PhD (<http://www.catalog.gatech.edu/programs/operations-research-phd>)
- Quantitative and Computational Finance. MS (<http://www.catalog.gatech.edu/programs/quantitative-computational-finance-ms>)
- Robotics. PhD (<http://www.catalog.gatech.edu/programs/robotics-phd>)
- Statistics. MS (<http://www.catalog.gatech.edu/programs/statistics-ms>)
- Supply Chain Engineering. MS (<http://www.catalog.gatech.edu/programs/supply-chain-engineering-ms>)
- Sustainable Electrical Energy. PMSEE (<http://www.catalog.gatech.edu/programs/sustainable-electrical-energy-pmsee>)