College of Engineering

Programs

• Aerospace Engineering (http://catalog.ncsu.edu/graduate/engineering/aerospace-engineering/)
• Biomanufacturing (http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/)
• Biomedical Engineering (http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/)
• Chemical Engineering (http://catalog.ncsu.edu/graduate/engineering/chemical-engineering/)
• Civil Engineering (http://catalog.ncsu.edu/graduate/engineering/civil-engineering/)
• Computer Engineering (http://catalog.ncsu.edu/graduate/engineering/computer-engineering/)
• Computer Networking (http://catalog.ncsu.edu/graduate/engineering/computer-networking/)
• Computer Science (http://catalog.ncsu.edu/graduate/engineering/computer-science/)
• Electric Power System Engineering (http://catalog.ncsu.edu/graduate/engineering/electric-power-system-engineering/)
• Electrical Engineering (http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/)
• Engineering (http://catalog.ncsu.edu/graduate/engineering/)
• Engineering Education (http://catalog.ncsu.edu/graduate/engineering/engineering-education/)
• Engineering Management (http://catalog.ncsu.edu/graduate/engineering/engineering-management/)
• Environmental Engineering (http://catalog.ncsu.edu/graduate/engineering/environmental-engineering/)
• Industrial Engineering (http://catalog.ncsu.edu/graduate/engineering/industrial-engineering/)
• Integrated Manufacturing Systems Engineering (http://catalog.ncsu.edu/graduate/engineering/integrated-manufacturing-systems-engineering/)
• Materials Science & Engineering (http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/)
• Mechanical Engineering (http://catalog.ncsu.edu/graduate/engineering/mechanical-engineering/)
• Nanoengineering (http://catalog.ncsu.edu/graduate/engineering/nanoengineering/)
• Nuclear Engineering (http://catalog.ncsu.edu/graduate/engineering/nuclear-engineering/)
• Computer Science (MR) (http://catalog.ncsu.edu/graduate/engineering/computer-science/computer-science-mr/)
• Engineering (MR) (http://catalog.ncsu.edu/graduate/engineering/engineering-mr/)
• Engineering (MR): Aerospace Engineering Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-mr-aerospace-engineering-concentration/)
• Engineering (MR): Chemical Engineering Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-mr-chemical-engineering-concentration/)
• Engineering (MR): Computer Engineering Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-mr-computer-engineering-concentration/)
• Engineering (MR): Computer Science Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-mr-computer-science-concentration/)
• Engineering (MR): Engineering Management Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-mr-engineering-management-concentration/)
• Engineering (MR): Industrial Engineering Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-mr-industrial-engineering-concentration/)
• Engineering (MR): Materials Science and Engineering Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-mr-materials-science-engineering-concentration/)
• Engineering (MR): Mechanical Engineering Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-mr-mechanical-engineering-concentration/)
• Engineering (MR): Nuclear Engineering Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-mr-nuclear-engineering-concentration/)
• Engineering Management (MR) (http://catalog.ncsu.edu/graduate/engineering/engineering-management-engineering-management-mr/)
• Engineering Management (MR): Advanced Manufacturing Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-management-engineering-management-mr-advanced-manufacturing-concentration/)
• Engineering Management (MR): Analytics Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-management-engineering-management-mr-analytics-concentration/)
• Engineering Management (MR): Entrepreneurship Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-management-engineering-management-mr-entrepreneurship-concentration/)
• Engineering Management (MR): Facilities Engineering Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-management-engineering-management-mr-facilities-engineering-concentration/)
• Engineering Management (MR): General Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-management-engineering-management-mr-general-concentration/)
• Engineering Management (MR): Health and Human Systems Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-management-engineering-management-mr-health-human-sys-concentration/)
• Engineering Management (MR): Professional Practice Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-
management/engineering-management-mr-professional-practice-concentration/}

- Engineering Management (MR): Supply Chain Engineering & Management Concentration (http://catalog.ncsu.edu/graduate/engineering/engineering-management/engineering-management-mr-supply-chain-concentration/)

- Environmental Engineering (MR) (http://catalog.ncsu.edu/graduate/engineering/environmental-engineering/environmental-engineering-mr/)

- Industrial Engineering (MR) (http://catalog.ncsu.edu/graduate/engineering/industrial-engineering/industrial-engineering-mr/)

- Integrated Manufacturing Systems Engineering (MR) (http://catalog.ncsu.edu/graduate/engineering/integrated-manufacturing-systems-engineering/integrated-manufacturing-systems-engineering-mr/)

- Materials Science and Engineering (MR) (http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-science-engineering-mr/)

- Nanoengineering (MR) (http://catalog.ncsu.edu/graduate/engineering/nanoengineering/nanoengineering-mr/)

- Nanoengineering (MR): Biomedical Sciences in Nanoengineering Concentration (http://catalog.ncsu.edu/graduate/engineering/nanoengineering/nanoengineering-mr-biomedical-sciences-concentration/)

- Nanoengineering (MR): Materials Science in Nanoengineering Concentration (http://catalog.ncsu.edu/graduate/engineering/nanoengineering/nanoengineering-mr-materials-science-concentration/)

- Nanoengineering (MR): Nanoelectronics and Nanophotonics Concentration (http://catalog.ncsu.edu/graduate/engineering/nanoengineering/nanoengineering-mr-nanoelectronics-nanophotonics-concentration/)

- Nuclear Engineering (MR) (http://catalog.ncsu.edu/graduate/engineering/nuclear-engineering/nuclear-engineering-mr/)

## Master of Science (MS)

- Aerospace Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/aerospace-engineering/aerospace-engineering-ms/)

- Biomanufacturing (MS) (http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/biomanufacturing-ms/)

- Biomedical Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/biomedical-engineering-ms/)

- Biomedical Engineering (MS): MedTech Innovation and Entrepreneurship Concentration (http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/biomedical-engineering-ms-translation-innovation-entrepreneurship-concentration/)

- Biomedical Engineering (MS): Traditional Concentration (http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/biomedical-engineering-ms-traditional-concentration/)

- Chemical Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/chemical-engineering/chemical-engineering-ms/)

- Civil Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/civil-engineering/civil-engineering-ms/)

- Computer Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/computer-engineering/computer-engineering-ms/)

- Computer Engineering (MS): Internship Concentration (http://catalog.ncsu.edu/graduate/engineering/computer-engineering/computer-engineering-ms-internship-concentration/)

- Computer Networking (MS) (http://catalog.ncsu.edu/graduate/engineering/computer-networking/computer-networking-ms/)

- Computer Networking (MS): Internship Concentration (http://catalog.ncsu.edu/graduate/engineering/computer-networking/computer-networking-ms-internship-concentration/)

- Computer Science (MS) (http://catalog.ncsu.edu/graduate/engineering/computer-science/computer-science-ms/)

- Electric Power System Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/electric-power-system-engineering/electric-power-systems-engineering-ms/)

- Electric Power System Engineering (MS): Internship Concentration (http://catalog.ncsu.edu/graduate/engineering/electric-power-system-engineering/electric-power-systems-engineering-ms-internship-concentration/)

- Electric Power System Engineering (MS): Wide Bandgap Power Electronics Concentration (http://catalog.ncsu.edu/graduate/engineering/electric-power-system-engineering/electric-power-systems-engineering-ms-wide-bandgap-power-electronics-concentration/)

- Electrical Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/electrical-engineering-ms/)

- Electrical Engineering (MS): Internship Concentration (http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/electrical-engineering-ms-internship-concentration/)

- Engineering Education (MS) (http://catalog.ncsu.edu/graduate/engineering/engineering-education/engineering-education-ms/)

- Environmental Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/environmental-engineering/environmental-engineering-ms/)

- Industrial Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/industrial-engineering/industrial-engineering-ms/)

- Materials Science and Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-science-engineering-ms/)

- Mechanical Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/mechanical-engineering/mechanical-engineering-ms/)

- Nuclear Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/nuclear-engineering/nuclear-engineering-ms/)

## Doctor of Philosophy (PhD)

- Aerospace Engineering (PhD) (http://catalog.ncsu.edu/graduate/engineering/aerospace-engineering/aerospace-engineering-phd/)

- Biomedical Engineering (PhD) (http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/biomedical-engineering-phd/)

- Chemical Engineering (PhD) (http://catalog.ncsu.edu/graduate/engineering/chemical-engineering/chemical-engineering-phd/)

- Civil Engineering (PhD) (http://catalog.ncsu.edu/graduate/engineering/civil-engineering/civil-engineering-phd/)

- Computer Engineering (PhD) (http://catalog.ncsu.edu/graduate/engineering/computer-engineering/computer-engineering-phd/)

- Computer Science (PhD) (http://catalog.ncsu.edu/graduate/engineering/computer-science/computer-science-phd/)

- Electrical Engineering (PhD) (http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/electrical-engineering-phd/)
• Industrial Engineering (PhD) (http://catalog.ncsu.edu/graduate/engineering/industrial-engineering/industrial-engineering-phd/)
• Materials Science and Engineering (PhD) (http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-science-engineering-phd/)
• Mechanical Engineering (PhD) (http://catalog.ncsu.edu/graduate/engineering/mechanical-engineering/mechanical-engineering-phd/)
• Nuclear Engineering (PhD) (http://catalog.ncsu.edu/graduate/engineering/nuclear-engineering/nuclear-engineering-phd/)

Minors
• Aerospace Engineering (Minor) (http://catalog.ncsu.edu/graduate/engineering/aerospace-engineering/aerospace-engineering-minor/)
• Biomanufacturing (Minor) (http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/biomanufacturing-minor/)
• Biomedical Engineering (Minor) (http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/biomedical-engineering-minor/)
• Chemical Engineering (Minor) (http://catalog.ncsu.edu/graduate/engineering/chemical-engineering/chemical-engineering-minor/)
• Civil Engineering (Minor) (http://catalog.ncsu.edu/graduate/engineering/civil-engineering/civil-engineering-minor/)
• Computer Engineering (Minor) (http://catalog.ncsu.edu/graduate/engineering/computer-engineering/computer-engineering-minor/)
• Electrical Engineering (Minor) (http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/electrical-engineering-minor/)
• Industrial Engineering (Minor) (http://catalog.ncsu.edu/graduate/engineering/industrial-engineering/industrial-engineering-minor/)
• Materials Science and Engineering (Minor) (http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-science-engineering-minor/)
• Mechanical Engineering (Minor) (http://catalog.ncsu.edu/graduate/engineering/mechanical-engineering/mechanical-engineering-minor/)
• Nuclear Engineering (Minor) (http://catalog.ncsu.edu/graduate/engineering/nuclear-engineering/nuclear-engineering-minor/)

Certificates
• 5G Technology (Certificate) (http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/5g-technologies-certificate/)
• ASIC Design & Verification (Certificate) (http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/asic-design-and-verification-certificate/)
• Biomanufacturing (MR): Industry Track (http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/biomanufacturing-mr/industry-track/)
• Biomanufacturing Online Graduate Certificate (http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/biomanufacturing-online-graduate-certificate/)
• Biomedical Engineering (MS): MedTech Innovation and Entrepreneurship Concentration (http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/biomedical-engineering-ms-translation-innovation-entrepreneurship-concentration/)
• Computer Engineering (Certificate) (http://catalog.ncsu.edu/graduate/engineering/computer-engineering/computer-engineering-certificate/)
• Computer Science (Certificate) (http://catalog.ncsu.edu/graduate/engineering/computer-science/computer-science-certificate/)
• Cybersecurity (Certificate) (http://catalog.ncsu.edu/graduate/engineering/graduate-certificate/cybersecurity-certificate/)
• Data Science Foundations (Certificate) (http://catalog.ncsu.edu/graduate/engineering/computer-science/data-science-foundations-certificate/)
• Downstream Biomanufacturing (Certificate) (http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/downstream-biomanufacturing-certificate/)
• Electrical Engineering (Certificate) (http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/electrical-engineering-certificate/)
• Engineering Education (Certificate) (http://catalog.ncsu.edu/graduate/engineering/engineering-education/engineering-education-certificate/)
• Engineering Management Analytics (Certificate) (http://catalog.ncsu.edu/graduate/engineering/engineering-management/eng-mgmt-analytics-cert/)
• Engineering Management Foundations (Certificate) (http://catalog.ncsu.edu/graduate/engineering/engineering-management/eng-mgmt-found-cert/)
• Health Physics (Certificate) (http://catalog.ncsu.edu/graduate/engineering/graduate-certificate/health-physics-certificate/)
• Materials Informatics (Certificate) (http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-informatics-cert/)
• Materials Science and Engineering (Certificate) (http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-science-engineering-certificate/)
• Nano-Systems Engineering (Certificate) (http://catalog.ncsu.edu/graduate/engineering/materials-science-engineering/materials-science-engineering-certificate/)
• Nanobiotechnology (Certificate) (http://catalog.ncsu.edu/graduate/engineering/biomedical-engineering/nanobiotechnology-certificate/)
• Performance Based Earthquake Engineering (Certificate) (http://catalog.ncsu.edu/graduate/engineering/civil-engineering/performance-based-earthquake-engineering-cert/)
• Renewable Electric Energy Systems (Certificate) (http://catalog.ncsu.edu/graduate/engineering/electrical-engineering/renewable-electric-energy-systems-certificate/)
• Upstream Biomanufacturing (Certificate) (http://catalog.ncsu.edu/graduate/engineering/biomanufacturing/upstream-biomanufacturing-certificate/)