The College of Engineering offers numerous graduate engineering certificates for professionals at every career stage. These certificates may be completed as stand-alone credentials or in combination with a graduate degree. They typically consist of 16 to 20 semester hours and allow the learner to quickly gain a credential to advance their skills and knowledge, meet an emerging career market need, or add to their professional preparation. In many cases, graduate coursework completed as part of a certificate program may be applied toward a graduate degree in the College of Engineering. Whether you are a working professional seeking new career opportunities, or a full-time graduate student looking to enhance your credentials, our broad and continuously expanding range of certificates are ready to help move your preparation forward.

**Programs**

The College of Engineering offers numerous graduate certificates that may be completed alone or in combination with an MS degree. Please see Certificate Policies and Procedures (https://coe.northeastern.edu/wp-content/uploads/pdfs/coe/gse/policies/CertPolicy.pdf) for detailed information regarding College of Engineering graduate certificates.

**Chemical Engineering**

- Process Safety Engineering (http://catalog.northeastern.edu/graduate/engineering/chemical/process-safety-engineering-graduate-certificate/)

**Civil and Environmental Engineering**

- Climate and Engineering (http://catalog.northeastern.edu/graduate/engineering/civil-environmental/climate-engineering-graduate-certificate/)
- Sustainability Engineering (http://catalog.northeastern.edu/graduate/engineering/civil-environmental/sustainability-engineering-graduate-certificate/)

**Mechanical and Industrial Engineering**

- Data Analytics Engineering (http://catalog.northeastern.edu/graduate/engineering/mechanical-industrial/data-analytics-engineering-graduate-certificate/)
- Energy Systems (http://catalog.northeastern.edu/graduate/engineering/mechanical-industrial/energy-systems-graduate-certificate/)
- Energy Systems Management (http://catalog.northeastern.edu/graduate/engineering/mechanical-industrial/energy-systems-management-graduate-certificate/)
- Renewable Energy (http://catalog.northeastern.edu/graduate/engineering/mechanical-industrial/renewable-energy-graduate-certificate/)
- Sustainable Energy Systems (http://catalog.northeastern.edu/graduate/engineering/mechanical-industrial/sustainable-energy-systems-graduate-certificate/)

**Engineering Business**

- Engineering Business (http://catalog.northeastern.edu/graduate/engineering/mechanical-industrial/engineering-business-graduate-certificate/)

**Engineering Management**

- Engineering Economic Decision Making (http://catalog.northeastern.edu/graduate/engineering/mechanical-industrial/engineering-economic-decision-making-graduate-certificate/)
- Engineering Management (http://catalog.northeastern.edu/graduate/engineering/mechanical-industrial/engineering-management-graduate-certificate/)
- Lean Six Sigma (http://catalog.northeastern.edu/graduate/engineering/mechanical-industrial/lean-six-sigma-graduate-certificate/)
- Supply Chain Engineering Management (http://catalog.northeastern.edu/graduate/engineering/mechanical-industrial/supply-chain-engineering-management-graduate-certificate/)
- Technology Systems Management (http://catalog.northeastern.edu/graduate/engineering/mechanical-industrial/technology-systems-management-graduate-certificate/)

**Gordon Institute of Engineering Leadership**

- Engineering Leadership (http://catalog.northeastern.edu/graduate/engineering/multidisciplinary/engineering-leadership-graduate-certificate/)

**Multidisciplinary**

- Blockchain and Smart Contract Engineering (http://catalog.northeastern.edu/graduate/engineering/multidisciplinary/blockchain-smart-contract-engineering-graduate-certificate/)
- Software Engineering Systems (http://catalog.northeastern.edu/graduate/engineering/multidisciplinary/software-engineering-systems-graduate-certificate/)
Telecommunication Networks

- Broadband Wireless Systems (http://catalog.northeastern.edu/graduate/engineering/multidisciplinary/broadband-wireless-systems-graduate-certificate/)
- IP Telephony Systems (http://catalog.northeastern.edu/graduate/engineering/multidisciplinary/ip-telephony-systems-graduate-certificate/)