Graduate Certificates
Engineering Graduate Certificates

Data and Communications Technology
• IP Telephony Systems
• Broadband Wireless Systems
• Computer Systems Engineering
• Data Analytics Engineering
• Blockchain and Smart Contract Engineering

Energy
• Energy Systems
• Energy Systems Management
• Renewable Energy
• Sustainable Energy Systems

Engineering Management, Business, Leadership
• Gordon Engineering Leadership**
• Engineering Economic Decision Making
• Engineering Management
• Technology Systems Management

Supply Chain and Process Management
• Lean Six Sigma
• Supply Chain Engineering
• Process Safety Engineering

** Separate Competitive Application
Why complete a GSE Certificate?

• Focus your academic experience with *synergistic courses*

• Build specific knowledge and skills *aligned with industry* needs

• Complete coursework *as part of* your engineering degree—stacked credentialing

• Receive *official recognition* on university transcript

• Advance your career by *marketing certificate focus*
Planning for Graduate Certificates

- Graduate certificate may be combined with any GSE program—Stacked credentialing

- Certificate coursework may be applied towards a GSE degree—Double count up to 2 or 4 courses depending on degree program
  [http://catalog.northeastern.edu/graduate/engineering/graduate-certificate-programs/](http://catalog.northeastern.edu/graduate/engineering/graduate-certificate-programs/)

- GSE certificate requires four courses (16 SH)

- Grad cert must be completed while working on your GSE degree program; Very careful planning is needed if you are in your 3rd semester

- Online, hybrid and evening classes available

- Seek input from program advisor or certificate director about certificate aligned with career goals
Degree and Certificate

Completion of Certificate

• Certificate MUST be completed during or before completion of your grad degree
• No Visa extensions for certificate program

OPT

• OPT is based on degree program (this is a better option)
Applying Certificate Coursework towards a GSE Degree

Course Eligibility
• GSE degree must allow the certificate program

Double Counting
• Departmental Programs
  allows up to 2 eligible certificate courses (Except ChE, IE, ME general concentration, OR, allows up to 4)

• Multidisciplinary Programs (EM, ES, TSM, IS & CSYE)
  allows up to 4 eligible certificate courses

Triple counting of courses is not allowed
Example—How Certs Work with GSE Degrees

MSEM Degree Program
32 Semester Hours Total

Required
Engineering Project Management
Economic Decision Making
Engineering Probability and Statistics
Deterministic Operations Research

Electives
Lean Concepts and Applications
Statistical Methods in Engineering
Statistical Quality Control
Engineering Organizational Psychology

GSE Degree (32 SH) + GSE Certificate (16 SH)
Total Semester Hours* = 32

* Number of double-counting courses vary by degree program and program alignment
Example—How Certs Work with GSE Degrees

**MSEM Degree Program**
32 Semester Hours Total

**Required**
- Engineering Project Management
- Economic Decision Making
- Engineering Probability and Statistics
- Deterministic Operations Research

**Electives**
- Lean Concepts and Applications
- Statistical Methods in Engineering
- Statistical Quality Control
- Engineering Organizational Psychology

**Lean Six Sigma Certificate**
16 Semester Hours Total

- Lean Concepts and Applications
- Engineering Probability and Statistics
- Statistical Methods in Engineering
- Statistical Quality Control

GSE Degree (32 SH) + GSE Certificate (16 SH)
Total Semester Hours* = 32

Number of double-counting courses vary by degree program and program alignment
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- Engineering Probability and Statistics
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GSE Degree (32 SH) + GSE Certificate (16 SH)
Total Semester Hours* = 32

* Number of double-counting courses vary by degree program and program alignment
What’s Next?

Admissions
• GSE Degree Seeking need to be in good academic standing
• Apply from certificate pages http://www.coe.neu.edu/degrees/certificates
• No application fee for current students
• Need to apply before your last semester in the degree program

FAQs
https://husky.desk.com/customer/en/portal/topics/940249-graduate-certificates/articles
Certificate Seeking Students

Next Steps

Explore our degree programs.

Review the specific Degree Requirements to see courses needed to complete your degree ("Detailed Degree Requirements" blue button on each program page).

Review admissions information, including requirements and deadlines.

Apply Now: Graduate Application
Currently enrolled graduate engineering students may apply to a graduate certificate program by using our internal application form. All other applicants may use the Apply Now: Graduate Application link to apply.
Questions?

Contact Himlona Palikhe, PhD
h.palikhe@northeastern.edu