Graduate Certificates

Northeastern University
College of Engineering

Information Session
Engineering Graduate Students
Fall 2017
Engineering Graduate Certificates

Data and Communications Technology
- IP Telephony Systems
- Broadband Wireless Systems
- Computer Systems Engineering
- Data Mining Engineering
- Data Analytics Engineering

Energy
- Energy Systems
- Energy Systems Management
- Renewable Energy
- Sustainable Energy Systems

Engineering Management, Business, Leadership
- Galante Engineering Business*
- 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

* Need a BS in Engineering from NU  ** 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/

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