Engineering Graduate Certificates

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

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

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

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

* 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/

• Grad certificate requires four courses (16 SH)

• If degree-seeking student—Grad cert must be completed while working on your GSE degree program

• 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 course

Doubling Counting

• Departmental Programs
  allows up to 2 eligible certificate courses

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

Triple counting of courses is not allowed
Example 1—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)

* Number of double-counting courses vary by degree program and program alignment
Example 1—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
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
• Need to apply before your last semester in the degree program

Deadlines
Spring 2017: Dec 26—Recommended to apply by Nov 1

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