Hosts

Mr. Jeffrey Hengel
Director for Admissions, Graduate School of Engineering

Dr. Tristan Johnson
Faculty Member, Key Liaison to EM–Seattle

Ms. Gina Takasugi
Assistant Director of Admissions, Recruitment, and Student Services – Seattle
AGENDA

Presentation Topics:

• The Program
• The Place
• The People
The Program
Specifically designed for career advancement
Engineering Management
- a professional MS degree…
- what is a professional MS degree?

one that prepares you for advancement in the professions – Medicine, Law, Business, and Engineering…
Engineering Management—MS

Program Facts

• Established in 1958
• 250+ current students
• 2000+ alumni
• Program offered in Boston, Seattle, Charlotte, Virtual
• Offered starting Fall 2013 term via Northeastern’s Seattle campus
• Welcomed the inaugural cohort of international students the Fall 2014 term to Northeastern’s Seattle campus
Engineering Management—MS
Program Summary

• Interdisciplinary graduate program bridging gaps between fields of engineering, technology, and business
• Focus on art and science of planning and allocating resources
• Effectively lead engineering management tasks

“With a well-diversified skill set, a Product Engineer can take on design tasks, manufacturing and assembly tasks, failure analysis, or budget and planning tasks. Virtually everything I have learned in the Engineering Management program has contributed to my success in this role.”

Desiree B. Azzalina
Product Engineer
The Charles Stark Draper Laboratory
Engineering Management—MS
Career Prospective

Need:
• Highly skilled and trained industry professionals
• Job postings for engineering management have grown steadily

Positions:
- Project Management
- Product Development
- Supply Chain Management

“An MSEM degree lays the foundation for a versatile, jack-of-all trades engineering manager that the current job market is valuing the most.”

Yeliz Ozalp, Associate Director—Supply Chain Management Group, Merck & Co
MSEM Degree Plan

4 Required Courses (16 credits)
EMGT 5220 Engineering Project Management
EMGT 6225 Economic Decision Making
IE 6200 Engineering Probability and Statistics
OR 6205 Deterministics Operations Research

4 or More Elective Courses (16 credits)


32 credit hours in 1.5 to 2 years = MSEM
Sample Degree Plan

- Fall 2015
  - 2 On-Ground Courses per Term
  - 1 or More Virtual Courses per Term
  - Summer Term is optional; Virtual Courses avail.
- Spring 2016
  - *Take optional co-op prep course

- Fall 2016
- Spring 2017
  - *Take optional co-op prep course
Engineering Management—MS
Program Director

Dr. Thomas Cullinane
tcullina@coe.neu.edu
t.cullinane@neu.edu
The Place
Seattle ~ a vibrant learning community
Ms. Gina Takasugi
Our global, knowledge-based economy requires universities to move beyond the boundaries of place.

GROWING domestic and global industries & organizations

ATTRACTING talented, diverse, & young professionals

CREATING innovative opportunities

FORWARD-THINKING business and civic community
Location & Profile

• Centrally located in South Lake Union, on Terry Ave. North
• Right across from the Amazon campus
• 40+ Masters Degrees and 3+ Doctorates Offered
Enjoy all the services of Northeastern with customized, hands-on support from our academic and student services team.

- **STUDENT SERVICES**
  - Group study areas
  - Project team space
  - Wi-Fi
  - Library resources
  - Video conferencing
  - Academic liaisons
  - Quiet study space
  - Technology use (Laptops/ iPads)
  - Printing/copiers
  - Day and evening hours
  - Career services
  - Writing & tutoring support

"I feel so refreshed & involved with NEU Seattle through all the quality time spent with such wonderful people at my campus. I feel more connected with as we interact a lot with our staff, be it any kind of issue, we always have someone to approach."

-Yashaswini Rajesh, MS Computer Science
Location, Location, Location!

Surrounded by innovation, the South Lake Union region in Seattle, WA is an ideal place to study engineering.

Admitted students can pursue co-op after two semesters.
Housing in Seattle

Your student services team is available to assist with advice and resources to help new students with housing questions.

Cost of living in Seattle is comparable to Boston.

Information about what it would be like to move there, including cultural attractions, activities, and city resources:
http://www.northeastern.edu/seattle/explore-northeastern/relocating-to-seattle/
The Seattle Student Experience

Mr. Rohit Gawli
gawli.r@husky.neu.edu

Mr. Shishir Mhatre
mhatre.sh@husky.neu.edu

Seattle campus facebook group:
https://www.facebook.com/groups/224414931083082/
Current Student Voice

**Rohit Gawli** started his MS Engineering Management in Fall 2014.

Rohit has a B.E. in Automobile Engineering, and moved from India to the U.S. for his master’s program.

Rohit is currently the MSEM Program Ambassador.

[Email: Gawli.R@husky.neu.edu]
Seattle Features:

- **Curriculum/Degree** (same degree, most popular concentrations offered)
- **Campus** (small classes, individual attention, innovative, urban campus)
- **Career** (networking)
- **Cost** (same cost per credit hour, no Seattle fees, health insurance & housing vary)
- **Climate & Culture** (the outside of the classroom experience)
We’re all about the experience!

• Experiential education is BIG at Northeastern!
  – Cooperative Education (Co-op)
  – Real world course projects with industry partners
  – Interdisciplinary team based research development course with industry partners
Engineering Graduate Co-op

Combines academic study with **career related** employment
Graduate Engineering students in co-op is increasing
- **200+ placements last year**

Active Employers: **120+**
Amazon, Bose Corp, EMC, IBM, Cisco Systems, Verizon

Students’ Hourly Salary: **$18-$35/hour**

Requirements apply; positions not guaranteed
Two key questions:

Will I get a co-op?

How does the Graduate School of Engineering prepare and support me to get a co-op, and my career development in general?
Co-op is Career Preparation

- Career Development/Readiness
- Self-Assessment/Goal Setting
- Exploring Industries, Careers, Job Fit
- Co-op Search Preparation & Placement
- Integrate academic experience and industry experience
- Co-op is an elective course option. If you do co-op, think of it as part of your curriculum
Graduate Co-op Program

- Engineering students in co-op is increasing
- Requirements apply; positions not guaranteed
- Co-op starts with a Career Preparation course
- Your co-op faculty advisor is part of your success
- In the recent past, about 1 in 3 eligible students get a co-op
- Students use a variety of methods and resources to compete for the positions which are located around the U.S.
- Those who are more prepared, motivated, and have strong interview and communication skills are more likely to get co-op positions
Investing in Your Career

• Tuition ($1422 per credit hour \times 32 credits)
• Health Insurance (Optional in the State of Washington)
• Personal Expenses (varies greatly but could be $10,000 per year)
• TOTAL ESTIMATED INVESTMENT: $60,000+ U.S.D

Return on Investment

• Knowledge Development—Latest Innovations
• Skills Development—Complex Problem Solving, Critical Thinking, Expertise
• Link to Field—Co-op, Knowledge and Skills Application
• Alumni Connections—Corporate, Industry, Government Connections
Orientation & Course Registration

- Confirm your enrollment, set up myNEU account, and initiate I-20 process
- Check husky email for communications
- Pre-orientation emails to go out beginning August 1
- Register for courses after orientation
- Decide by June 22!
Electronic application:
https://app.applyyourself.com/AYApplicantLogin/fl_ApplicantConnectLogin.asp?id=neu-grad

Course catalog & class schedule:
http://www.northeastern.edu/registrar/

Graduate engineering co-op:
http://www.coe.neu.edu/co-op-advantage/graduate-co-op

Seattle campus:
http://www.northeastern.edu/seattle/

Seattle campus facebook group:
https://www.facebook.com/groups/224414931083082/

A blog for NU-Seattle, written by students, faculty, staff, and industry representatives
http://www.northeastern.edu/seattleblog/

Information about what it would be like to move there, including cultural attractions, activities, and city resources
http://www.northeastern.edu/seattle/explore-northeastern/relocating-to-seattle/

A guide to the Seattle campus itself
http://www.northeastern.edu/seattle/explore-northeastern/seattle-campus/
Frequently Asked Questions

✓ Program cost?
✓ Cost of living?
✓ Co-op?
✓ On-campus jobs?
✓ Housing?
✓ I-20s
The People
High support and interactivity = student success
Your Advising Team

MSEM Program Director & Initial Program Point of Contact
Dr. Thomas Cullinane, tcullina@coe.neu.edu, t.cullinane@neu.edu

Seattle Student Services
Ms. Gina Takasugi, g.takasugi@neu.edu

Course Delivery
Dr. Tristan Johnson, tri.johnson@neu.edu

Graduate Co-op Program
Dr. Scott Hamilton, s.hamilton@neu.edu

Admissions Matters
Mr. Jeffrey Hengel, j.hengel@neu.edu
Suggested Next Steps

- Determine your questions
- Reach out to your advising team
- Confirm your enrollment
- Initiate the I-20 process
- Review the MSEM degree plan
- Review course descriptions
- Investigate housing options
Seattle Questions?

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Mr. Shishir Mhatre
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