Dear Graduate Student,

Congratulations on your recent acceptance to Northeastern University’s Department of Civil and Environmental Engineering (CEE). We are delighted that you have decided to join our program.

Please find below some important information to help you with the admission process, and facilitate your transition to our program. This information mostly pertains to MS students. PhD students admitted to the Civil Engineering or Interdisciplinary programs please find additional information here.

During the orientation program, scheduled for January 5, 2018, you will have the chance to meet with faculty, fellow students, and find out more about the Department.

Assignment of Academic Advisor

If your admission letter does not specify an academic advisor, you will be assigned an initial academic advisor during Orientation, based on your concentration area, to assist you in entering the program, choosing courses, etc. The academic advisors for the different areas and programs are listed below.

MS in Civil Engineering
  Construction Management: Professor Ali Touran
  Environmental and Water Systems: Professor Matthew Eckelman
  Geotechnical/Geoenvironmental Engineering: Professor Mishac Yegian
  Structures: Professor Andrew Myers
  Transportation: Professor Peter Furth

MS in Environmental Engineering: Professors Matthew Eckelman and Ameet Pinto

MS in Engineering & Public Policy:
  Energy and Environment: Professor Matthew Eckelman
  Infrastructure Resilience: Professor Auroop Ganguly

MS in Sustainable Building Systems: Professor David Fannon

Curriculum and Class Registration

Please remember to confirm your enrollment at Northeastern. You will not be able to preregister for classes (information below) until you confirm enrollment. You can confirm your enrollment by logging into your application account and paying the enrollment deposit.

All students are strongly urged to register for courses at this time to enable us to ascertain the likely enrollments in each course. Once you arrive on campus and consult
with your academic advisor, you can change your course selections as needed, including adding and dropping courses until the end of the second week of the term.

For a detailed list of graduate courses (core, electives, etc.), please refer to the CEE Graduate Catalog, available on-line here. For course descriptions, please check here.

For the complete and updated calendar of Spring 2018 courses, please visit the “Banner Dynamic Class Schedule”, maintained online by the Office of the Registrar: https://wl11gp.neu.edu/udcprod8/NEUCLSS.p_disp_dyn_sched, select Fall 2017 for the term, then “Civil and Environmental Engineering” for Subject and “Graduate” for Course Level. For courses offered by other Departments please refer to the corresponding webpage. Or call the CEE Front Office at 617-373-2444.

For completion of the MS program, please read the degree course requirements described in the CEE Graduate Catalog as listed above. There are different MS degree options. Consult with your academic advisor regarding the degree options and course requirements. Typical recommendations for initial courses for MS students for different discipline concentrations are provided later in this letter.

For completion of the PhD program, please read the degree course requirements described in the CEE Graduate Catalog. Consult with you advisor regarding the core and elective course requirements.

Sample Course Selections for the Spring 2018

The following section provides examples of typical course selections for each concentration area. It is recommended to take two to four courses in a semester, with two to three courses being common for first semester students. Note that this is for your reference only, and we recommend that you consult with your advisor and look at the course catalog for more in-depth information, particularly to ensure that you have the appropriate prerequisites.

MASTER'S IN CIVIL ENGINEERING

Construction Management Concentration

Required Core Courses Offered Spring, 2018
- CIVE5221 – Project Organization and Controls (2 cr, prerequisite)
- CIVE5231 – Alternative Project Delivery Methods (2 cr)
- IE 6200 – Probability and Statistics.

Restricted and Other Electives Offered Spring, 2018
- CIVE7240 – Construction Equipment and Modeling
The full list of Required and Restrictive Electives for Construction Management is found [here](#).

**Environmental & Water Systems Concentration**

Course suggestions for Environmental & Water Systems Concentration Students:

*Required Core Courses*
- CIVE 7251 - Environmental Biological Processes

*Restricted and Other Electives*
- CIVE 5261 - Dynamic Modeling for Environmental Investment and Policymaking
- CIVE 5280 - Remote Sensing of the Environment
- CIVE5300 - Environmental Engineering Laboratory
- CIVE 5536 - Hydrologic Engineering
- CIVE5699 (special topics) - Climate Science, Engineering Adaptation and Policy
- CIVE 7100 - Applied Time Series and Spatial Statistics
- CIVE 7388/7392 - Special Topics in Environmental Engineering (Agent Based Modeling)

The full list of Required and Restrictive Electives for Environmental & Water Systems is found [here](#).

**Geotechnical/Geoenvironmental Engineering Concentration**

*Required Core Courses*
- CIVE 7312 – Earthquake Engineering

The full list of Required and Restrictive Electives for Geotechnical Engineering is found [here](#).

**Structural Engineering Concentration**

*Required Core Courses*
- None

*Restricted and Other Electives*
- CIVE 5522 – Structural Analysis 2
- CIVE 5699 – Vibration-Based Structural Health Monitoring
- CIVE 7340 – Seismic Analysis and Design
- CIVE 7354 – Wind Engineering
- CIVE 7355 – Advanced Bridge Design
- CIVE 7357 – Advanced Structural Mechanics

The full list of Required and Restrictive Electives for Structural Engineering is found [here](#).
Transportation Engineering Concentration

Required Core Courses Offered Spring, 2018
   CIVE 5376 – Traffic Engineering
   IE 6200 – Engineering Probability and Statistics

Restricted and Other Electives Offered Spring, 2018
   CIVE 7380 – Transportation Performance and Simulation Models
   CIVE 7382 – Advanced Traffic Control and Simulation
   CIVE 7387 – Design Aspects of Road Safety

The full list of Required and Restrictive Electives for Transportation Engineering is found here.

MASTER’S IN ENVIRONMENTAL ENGINEERING

Required Core Courses
   CIVE 7251- Environmental Biological Processes

Restricted and Other Electives
   CIVE 5261- Dynamic Modeling for Environmental Investment and Policymaking
   CIVE 5280- Remote Sensing of the Environment
   CIVE5300- Environmental Engineering Laboratory
   CIVE 5536- Hydrologic Engineering
   CIVE5699 (special topics)- Climate Science, Engineering Adaptation and Policy

The full list of Required and Restrictive Electives for Environmental Engineering is found here.

MASTER’S IN ENGINEERING AND PUBLIC POLICY

Energy/Environmental Concentration

Program Courses
   CIVE 5261- Dynamic Modeling for Environmental Investment and Policymaking
   CIVE 7388/7392- Special Topics in Environmental Engineering (Agent Based Modeling)
   CIVE 7100- Applied Time Series and Spatial Statistics
   PPUA 6506- Techniques of Policy Analysis
   ECON 7210- Applied Microeconomic Policy Analysis
   LPSC 7311- Strategizing Public Policy
   IE 6200- Engineering Probability and Statistics
   IE 7280- Statistical Methods in Engineering
The full list of Required and Restrictive Electives for Engineering and Public Policy is found here.

**Infrastructure Resilience Concentration**

**Required Core Courses**

Infrastructure resilience

Environmental Systems Modeling (4 SH)
- CIVE 5261 - Dynamic Modeling for Environmental Investment and Policymaking
- CIVE 5280 - Remote Sensing of the Environment
- CIVE 7392 - Special Topics in Environmental Engineering (Agent-Based Modeling)

Economics (4 SH)
- ECON7210 - Applied Microeconomic Policy Analysis

Public Policy and Analysis (4 SH)
- LPSC 7311 - Strategizing Public Policy
- PPUA 6506 - Techniques of Program Evaluation

Statistics (4 SH)
- CIVE 7100 - Applied Time Series and Spatial Statistics
- IE 6200 - Engineering Probability and Statistics
- IE 7280 - Statistical Methods in Engineering

Infrastructure Course List (12 SH)
- EMGT 6225 - Economic Decision Making
- IE 5500 - Systems Engineering in Public Programs
- ME 5645 - Environmental Issues in Manufacturing and Product Use
- PPUA 5263 - Geographic Information Systems for Urban and Regional Policy
- PPUA 7240 - Health Policy and Politics

The full list of Required and Restrictive Electives for Infrastructure Resilience is found here.

**MASTER’S IN SUSTAINABLE BUILDING SYSTEMS**

**Required Core Courses**

- ARCH 5210 – Environmental Systems
- SBSY-5200 – Sustainable Engineering Systems for Buildings

**Restricted and Other Electives**

- ARCH 5220 – Integrated Building Systems
- CIVE 5221 – Construction Project Control and Administration
- CIVE 5231 – Alternative Project Delivery Systems in Construction
How do I register for classes?

Please watch the following webinars for instructions on how to register using your MyNEU account:

- Course Search Webinar: [http://www.northeastern.edu/Registrar/webinar-search.html](http://www.northeastern.edu/Registrar/webinar-search.html)
- Course Add/Drop Webinar: [http://www.northeastern.edu/Registrar/webinar-adddrop.html](http://www.northeastern.edu/Registrar/webinar-adddrop.html)

What if my course is full?

Although rare, if a course is full, you may contact the course instructor and ask if an additional seat can be accommodated in the classroom. If a seat isn’t available in your preferred classes right away you can also join the waitlist. Enrollments are always shifting as students get co-ops or change their course registrations. To join a waitlist enter the class CRN (the 5 numbers in parentheses next to the course number above) directly into your registration sheet and hit submit. You will then have an option to select “waitlist” from a drop down menu. The waitlist system will automatically inform you when a seat opens up- just log into your account and accept it within the 24 hour time limit!

What if I am a part time student?

We recommend starting with one core course for your concentration.

Will I get a bill after registering for a course?

Yes, typically, your first e-bill is generated when you register for your courses. You will receive an e-bill from the University with instructions on how to pay the e-bill. If you have questions about payment, please contact the Student Financial Services office directly: [http://www.northeastern.edu/financialaid/](http://www.northeastern.edu/financialaid/)

How do I get a MyNEU account?

After you confirm your enrollment, you will be able to access your MyNEU portal using this link, [http://mynueu.neu.edu.cp/home/displaylogin](http://mynueu.neu.edu.cp/home/displaylogin). If you have not set up your MyNEU account, login to your electronic application and look for instructions to do so: [https://app.applyyourself.com/AYApplicantLogin/fl_ApplicantConnectLogin.asp?id=neu-grad](https://app.applyyourself.com/AYApplicantLogin/fl_ApplicantConnectLogin.asp?id=neu-grad)
How do I schedule a campus tour?

Please contact GSE Student Services at 617-373-2711 or by email at: https://husky.desk.com/customer/portal/emails/new. An additional resource for campus tours is the Northeastern University Visitor Center. For directions and information please refer to: http://www.northeastern.edu/admissions/visit-campus/

Do you have another question about enrollment, your visa status or housing?

Please take a moment to review the FAQ page of the Graduate School of Engineering (GSE) Student Services: http://www.coe.neu.edu/graduate-school/graduate-faqs. As an example, you may search with the keyword (“housing”), look under the category “Newly Admitted Students”, or contact the GSE by phone at 617-373-2711.

For more information about beginning your graduate studies at Northeastern University, please read your acceptance letter in full.

We look forward to welcoming you in the Department of Civil and Environmental Engineering and the Graduate School of Engineering.

Regards,

T.C.

Thomas C. Sheahan  
Senior Associate Dean for Academic Affairs  
Office of the Dean  
College of Engineering  
Northeastern University

Jerome F. Hajjar  
CDM Smith Professor and Chair,  
Civil and Environmental Engineering  
College of Engineering  
Northeastern University