Dear Graduate Student,

Congratulations on your recent acceptance to Northeastern University’s Department of Civil and Environmental Engineering (CEE). We are delighted 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 may find additional information here.

**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. Your initial advisor will assist you in entering the program, choosing courses, and more. The academic advisors for the different areas and programs are listed below.

**Associate Chair for Graduate Studies:** Prof. Haris N. Koutsopoulos

**MS in Civil Engineering**
- *Construction Management:* Professor Ali Touran
- *Geotechnical/Geoenvironmental Engineering:* Professor Mishac Yegian
- *Structures:* Professor Andrew Myers
- *Transportation:* Professor Peter Furth
- *Water, Environmental, and Coastal Systems:* Professor Jim Chen

**MS in Environmental Engineering:** Professor Ameet Pinto

**MS in Engineering & Public Policy:**
- *Energy and Environment:* Professor Matthew Eckelman
- *Infrastructure Resilience:* Professor Matthew Eckelman

**MS in Sustainable Building Systems:** Professor David Fannon

The above also serve as Graduate Advisors for the corresponding areas of study in the CEE Ph.D program. CEE. Professor Jim Chen is the Graduate Advisor for the Interdisciplinary Ph.D. program.

**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 Fall 2019 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 2019 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 by 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 Spring 2019

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; we recommend you consult with your advisor and look at the course catalog for more in-depth information, particularly to ensure you have the appropriate prerequisites.

MASTER’S IN CIVIL ENGINEERING

Construction Management Concentration

Required Core Courses

- CIVE 5221 – Construction Project Control and Organization (2 SH)
- EMTG 6305 – Financial Management for Engineers
- IE 6200 – Engineering Probability and Statistics
**Restricted and Other Electives**

- CIVE 5231 – Alternative Project Delivery Systems in Construction (2 SH)
- CIVE 7240 – Construction Equipment and Modeling
- SBSY 5200 – Sustainable Engineering Systems for Buildings

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

**Water, Environmental, and Coastal Systems Concentration**

Course suggestions for Water, Environmental, and Coastal Systems Concentration

Students:

**Required Core Courses**
- CIVE 7251 – Environmental Biological Processes
- CIVE 7261 – Surface Water Quality Modeling
- CIVE 7272 – Air Quality Management
- CIVE 7281 – Coastal and Nearshore Hydrodynamics

**Restricted Electives**
- CIVE 5261 – Dynamic Modeling for Environmental Investment and Policymaking
- CIVE 5280 – Remote Sensing of the Environment
- CIVE 5536 – Hydrologic and Hydraulic Design

**Other Electives**

- CIVE 7388 – Special Topics in Civil Engineering: Random Data and Processing

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

**Geotechnical/Geoenvironmental Engineering Concentration**

**Required Core Courses**

**Electives**
- CIVE 5300 – Environmental Engineering Laboratory
- CIVE 5536 – Hydrologic and Hydraulic Design
- CIVE 7240 – Construction Equipment and Modeling
- CIVE 7251 – Environmental Biological Processes
- CIVE 7261 – Surface Water Quality Modeling
- CIVE 7312 – Earthquake Engineering

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

*Required Core Courses*

*Restricted Electives*
- CIVE 5522 – Structural Systems Modeling
- CIVE 5699 – Special Topics in Civil Engineering (Vibration Based Structural Health Monitoring)
- CIVE 7340 – Seismic Analysis and Design
- CIVE 7350 – Behavior of Concrete Structures
- CIVE 7355 – Advanced Bridge Design
- CIVE 7357 – Advanced Structural Mechanics
- CIVE 7388 – Special Topics in Civil Engineering (Random Data and Processing)

*Other Electives*
- CIVE 7312 – Earthquake Engineering
- SBSY 5200 – Sustainable Engineering Systems for Buildings

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

**Transportation Concentration**

*Required Core Courses*
- CIVE 5376 – Traffic Engineering and Sustainable Urban Street Design
- IE 6200 – Engineering Probability and Statistics

*Restricted Electives*
- CIVE 7381 – Transportation Demand Forecasting and Model Estimation
- CIVE 7385 – Public Transportation
- CIVE 7387 – Design Aspects of Roadway Safety
- CIVE 7388 – Special Topics in Civil Engineering (Random Data and Processing)

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

**MASTER’S IN ENVIRONMENTAL ENGINEERING**

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

*Restricted Electives*
- CIVE 5261 – Dynamic Modeling for Environmental Investment and Policymaking
- CIVE 5280 – Remote Sensing of the Environment
- CIVE 5300 – Environmental Engineering Laboratory
- CIVE 5536 – Hydrologic and Hydraulic Design
CIVE 7261 – Surface Water Quality Modeling  
CIVE 7272 – Air Quality Management  
CIVE 7392 – Special Topics in Environmental Engineering (Aquatic Biogeochemistry)

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

**MASTER’S IN ENGINEERING AND PUBLIC POLICY**

**Energy and Environment Concentration**

*Required Core Courses*

Energy and Environment  
ENGR 5670 – Sustainable Energy: Materials, Conversion, Storage, and Usage

Environmental Systems Modeling  
CIVE 5261 – Dynamic Modeling for Environmental Investment and Policymaking

Economics  
PPUA 6502 – Economical Analysis for Policy and Planning

Public Policy and Analysis  
PPUA 6506 – Techniques of Policy Analysis  
PPUA 6509 – Techniques of Program Evaluation

Statistics  
IE 6200 – Engineering Probability and Statistics  
IE 7280 – Statistical Methods in Engineering

*Restricted and Other Electives*

CIVE 5280 – Remote Sensing of the Environment  
CIVE 5300 – Environmental Engineering Laboratory  
CIVE 7261 Surface Water Quality Modeling

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

**Infrastructure Resilience Concentration**

*Required Core Courses*

Infrastructure Resilience  
Not offered this semester

Environmental Systems Modeling  
CIVE 5261 – Dynamic Modeling for Environmental Investment and Policymaking
Economics
PPUA 6502 – Economical Analysis for Policy and Planning

Public Policy and Analysis
PPUA 6506 – Techniques of Policy Analysis
PPUA 6509 – Techniques of Program Evaluation

Statistics
IE 6200 – Engineering Probability and Statistics
IE 7280 – Statistical Methods in Engineering

Restricted and Other Electives
CIVE 5280 – Remote Sensing of the Environment
CIVE 5300 – Environmental Engineering Laboratory
CIVE 7261 Surface Water Quality Modeling

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 5400 – Sustainable Building Systems Seminar (0 SH)

Restricted Electives
CIVE 5221 – Construction Project Control and Organization (2 SH)
CIVE 5231 – Alternative Project Delivery Systems in Construction (2 SH)

Other Electives
CIVE 7350 – Behavior of Concrete Structures

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

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
- Course Add/Drop Webinar: 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, [https://myneu.neu.edu/](https://myneu.neu.edu/). 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: support@husky.desk-mail.com. 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/](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: [https://husky.desk.com/](https://husky.desk.com/). 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 to the Department of Civil and Environmental Engineering and the Graduate School of Engineering.

Regards,

Waleed Meleis  
Interim Associate Dean for Graduate Education  
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