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. Welcome!

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 upon your arrival 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: Professor Andrew Myers

MS in Civil Engineering
- Construction Management: Professor Ryan Wang
- Data and Systems: Professor Amy Mueller
- Geotechnical/Geoenvironmental Engineering: Professor Mishac Yegian
- Structures: Professor Luca Caracoglia
- Transportation: Professor Peter Furth
- Water, Environmental, and Coastal Systems: Professor Jim Chen

MS in Environmental Engineering: Professor Amy Mueller

MS in Engineering & Public Policy: Professor Matthew Eckelman

MS in Sustainable Building Systems: Professor Matthew Eckelman

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 when their time ticket allows 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. Please see the University Academic Calendar for these deadlines.

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 2022 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 Spring 2022 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 email CEE Administrative Assistant Nicole Catubig at n.catubig@northeastern.edu

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 2022
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)
EMGT 6305 – Financial Management for Engineers
IE 6200 – Engineering Probability and Statistics

Electives
CIVE 5231 – Alternative Project Delivery Systems in Construction (2 SH)
CIVE 7302 – Advanced Foundation Engineering
CIVE 7240 – Construction Equipment and Modeling
SBSY 5200 – Sustainable Engineering Systems for Buildings
SBSY 5300 – Information Systems for Integrated Project Delivery

The full list of Required and Restrictive Electives for Construction Management can be found here.

Data and Systems Concentration

Data and Computing
CIVE 7100 – Time Series and Geospatial Data Sciences
  Or ENVR 6500 – Biostatistics
  Or IE 6200 – Engineering Probability and Statistics
  Or IE 7280 – Statistical Methods in Engineering
  Or INSH 5301 – Introduction to Computational Statistics
  Or MATH 7343 – Applied Statistics
CIVE 7151 – Urban Informatics and Processing
CIVE 7388 – ST in CE: Random Data and Processing
IE 6200 – Engineering Probability and Statistics
IE 7280 – Statistical Methods in Engineering

Systems and Sensors
PPUA 6502 – Economic Analysis for Policy and Planning

Civil and Environmental Systems
CIVE 5536 – Hydrologic and Hydraulic Design
CIVE 5524 – Vibration-Based Structural Health Monitoring
SBSY 5200 – Sustainable Engineering Systems for Buildings

Electives
CIVE 7251 – Environmental Biological Processes
CIVE 7255 – Environmental Physical/Chemical Processes
CIVE 7382 – Advanced Traffic Control and Simulation
The full list of Required and Restrictive Electives for Data and Systems can be found [here](#).

**Geotechnical/Geoenvironmental Concentration**

*Required Core Courses*

- CIVE 7302 – Advanced Foundation Engineering

*Electives*

- CIVE 5300 and 5301 – Environmental Engineering Laboratory + Lab
- CIVE 5536 – Hydrologic and Hydraulic Design
- CIVE 5699 – Special Topics in Civil Engineering (Vibration-Based Structural Health Modeling)
- CIVE 7240 – Construction Equipment and Modeling
- CIVE 7251 – Environmental Biological Processes
- CIVE 7312 – Earthquake Engineering

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

**Structures Concentration**

*Required Core Courses*

*Restricted Electives*

- CIVE 5522 – Structural Systems Modeling
- CIVE 7150 – Data-Driven Decision Support for Civil and Environmental Engineering
- CIVE 7341 – Structural Reliability
- CIVE 7350 – Behavior of Concrete Structures
- CIVE 7388 – Special Topics in Civil Engineering (Random Data and Processing)

*Other Electives*

- CIVE 5520 – Structural Systems
- CIVE 5524 – Vibration-Based Structural Health Monitoring
- CIVE 5525 – Prestressed Concrete Design
- CIVE 7151 – Urban Informatics and Processing
- CIVE 7302 – Advanced Foundation Engineering
- CIVE 7312 – Earthquake Engineering
- SBSY 5200 – Sustainable Engineering Systems for Buildings

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

**Transportation Concentration**
**Required Core Courses**
- CIVE 5373 – Transportation Systems Analysis and Planning
- IE 6200 – Engineering Probability and Statistics

**Restricted Electives**
- CIVE 7150 – Data-Driven Decision Support for Civil and Environmental Engineering
- CIVE 7397 – 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 can be 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 7272 – Air Quality

**Restricted Electives**
- CIVE 5300 and 5301 – Environmental Sampling and Analysis + Lab
- CIVE 5363 – Climate Science, Engineering Adaptation, and Policy
- CIVE 5536 – Hydrologic and Hydraulic Design
- CIVE 7100 – Time Series and Geospatial Data Sciences
- CIVE 7255 – Environmental Physical/Chemical Processes

**Other Electives**
- CIVE 7150 – Data-Driven Support for Civil and Environmental Engineering
- CIVE 7151 – Urban Informatics and Processing
- CIVE 7388 – Special Topics in Civil and Environmental Engineering (Random Data Processing)

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

**MASTER'S IN ENVIRONMENTAL ENGINEERING**

**Restricted Electives**
- CIVE 5300 and 5301 – Environmental Engineering Sampling and Analysis + Lab
- CIVE 5536 – Hydrologic and Hydraulic Design
- CIVE 5699 – Special Topics in Environmental Engineering (Global Biochemistry)
- CIVE 7272 – Air Quality Management
The full list of Required and Restrictive Electives for Environmental Engineering can be found here.

MASTER’S IN ENGINEERING AND PUBLIC POLICY

Core Courses:
- CIVE 5363 – Climate Science, Engineering Adaptation, and Policy
- CIVE 7100 – Time Series and Geospatial Data Sciences
- ENSY 5100 – Hydropower
- IE 5500 – Systems Engineering in Public Programs
- IE 6200 – Engineering Probability and Statistics
- IE 7280 – Statistical Methods in Engineering
- INSH 5301 – Introduction to Computational Statistics
- INSH 6500 – Statistical Analysis
- PPUA 6502 – Economic Institutions and Analysis
- PPUA 6506 – Techniques of Policy Analysis
- PPUA 6509 – Techniques of Program Evaluation
- LPSC 7311 – Strategizing Public Policy
- SBSY 5200 – Sustainable Engineering Systems for Building

Electives
- CIVE 5281 – Coastal Dynamics and Design
- CIVE 5300 and 5301 – Environmental Sampling and Analysis + Lab
- CIVE 7150 – Data-Driven Decision Support for Civil and Environmental Engineering

The full list of Required and Restrictive Electives for Engineering and Public Policy can be found here.

MASTER’S IN SUSTAINABLE BUILDING SYSTEMS

Required Core Courses
- ARCH 5210 – Environmental Systems
- SBSY 5200 – Sustainable Engineering Systems for Buildings
- 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)
- SBSY 5300 – Information Systems for Integrated Project Delivery
- ARCH 5220 – Integrated Building Systems
- EMGT 5220 – Engineering Project Management
- EMGT 6305 – Financial Management for Engineers
Other Electives
   CIVE 7350 – Behavior of Concrete Structures
   CIVE 7151 – Urban Informatics and Processing
   CIVE 7388 – Special Topics in Civil Engineering (Random Data and Processing)

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

How do I register for classes?

Please review the following links for instructions on how to register using your MyNEU account:

- Course Search Article: https://registrar.northeastern.edu/article/new-registration-experience/
- Course Add/Drop Article: https://registrar.northeastern.edu/article/drop-class/

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/

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 visit 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 [here](http://www.northeastern.edu/admissions/visit-campus/). 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,

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

Andrew T. Myers  
Associate Professor and Associate Chair  
Civil and Environmental Engineering  
Northeastern University