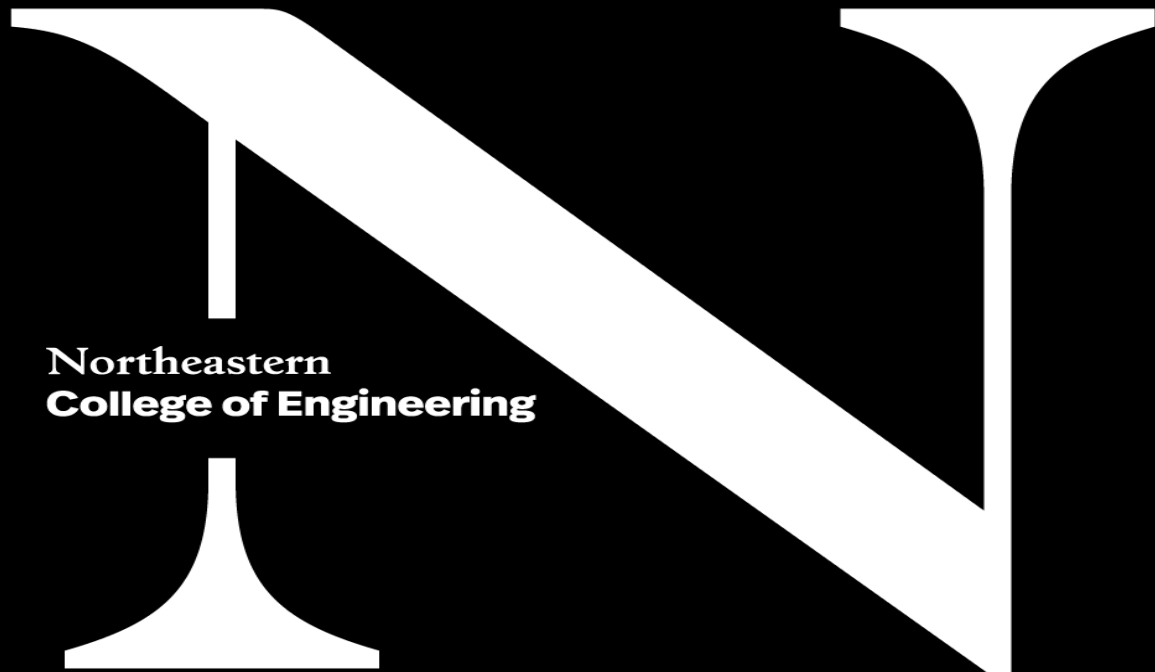
Welcome to the Graduate School of Engineering



Agenda/Speakers

- Jeff Hengel (COE Admissions)
- Maricla Pirozzi (COE Co-op)
- Allison Jacobs (COE Student Services)
- Alyssa Bulpett (NU Office of Global Services)
- Khushal Safi (NU Public/International Safety)
- Rebecca Regan and Tory Hill (NU Housing)

New students need great courses to pursue, a visa to enter the U.S., tips on health and safety, and a place to live!!

Why enroll this Summer?

> Northeastern is open for business!
> Early start to your program
> In most cases, you'll be in smaller classes
> Many students expecting to enter in Fall 2021, new and deferring
> Early visa (for int'l students)
> Early housing arrangements
> If your plans change, can instantly revert to Fall 2021 entry

Boston and Seattle summer weather is wonderful!

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COE Summer Calendar

Summer 1 Term

May 10 – June 26

Full Summer Term

May 10 – August 14

Summer 2 Term

July 6 – August 28

Link: https://registrar.northeastern.edu/wp-content/uploads/sites/9/2020-2021-GR-Expanded-Calendar-List.pdf

Summer Course Enrollment Considerations

> Take 1 or 2 technical courses, as a part-time or full-time student

> Take *Intro to Co-op* course with other courses or by itself

> Take courses the Summer 1, Full Summer, or Summer 2 terms

> Take courses on-campus (or on-ground) or remote

> Cost per credit hour for the *20-21 Academic Year*: $1,664 U.S.D.

Masters Programs and Summer Courses

2 OR MORE COURSES EXPECTED

Cyber-Physical Systems-Boston

Data Analytics Eng.-Boston

Data Architecture & Mgmt.

Electrical & Computer Eng.

Energy Systems

Engineering Mgmt.

Industrial Eng.

Information Systems-Boston (including Bridge pathway)

Mechanical Eng. (Mechatronics only)

Operations Research

Software Eng. Systems

Telecommunication Networks

1 COURSE ONLY OR REMOTE ONLY OPTIONS EXPECTED

Bioeng.

Cyber-Physical Systems-Silicon Valley

Data Analytics Eng.-Seattle

Information Systems-Seattle

Information Systems-Silicon Valley

Mechanical Eng. (except Mechatronics)

Robotics (ME concentration)

NO COURSES EXPECTED

Chemical Eng.

Civil Eng.

Engineering and Public Policy

Environmental Eng.

Human Factors

Robotics (ECE and CS concentrations)

Sustainable Building Systems

Experiential Learning & Cooperative Education

Dr .Pirozzi Maricla

Director MGEN Co-Op

Northeastern University
College of Engineering

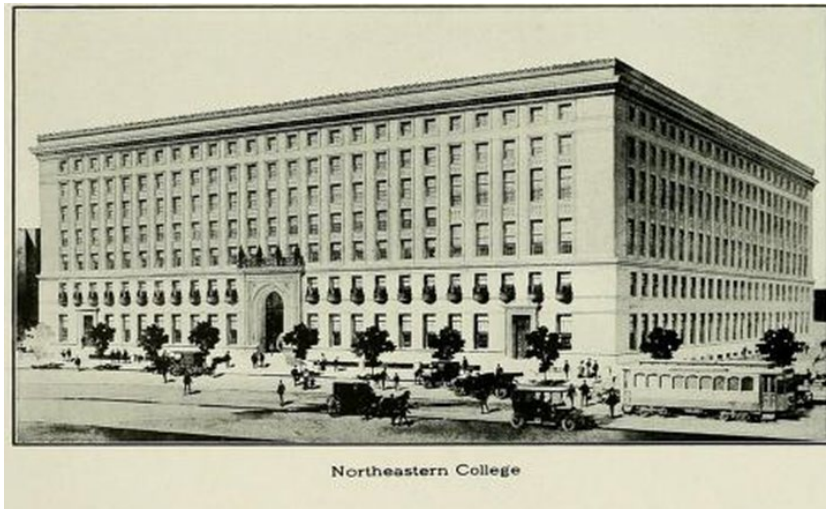
Northeastern – a Top Tier University

U.S. News & World Report ranked Northeastern for 2020

- Co-ops/Internships No. 1
- Most Innovative Schools No. 9
- Best Graduate Engineering Schools No. 34
- National Universities No. 40
- Undergraduate Engineering No. 46

110 Years of Engineering Co-op

In 1909 Northeastern started co-op in the engineering program, the second of its kind in the US



THEN: 4 Inaugural Co-op Employers

- Boston and Maine Railroad
- Boston and Albany Railroad
- Boston Consolidated Gas Company
- Boston Elevated Railway Company

NOW:

- 2,992 total co-op hires AY2019
- 2,101 employers, 46 states, 60 countries (last three years)

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Cooperative Education Leadership

Lorraine Mountain
Assistant Dean Co-op
Office: Holmes 5th Floor

Alison Nogueira
Director Departmental Co-op
Office: Holmes 3rd Floor

Maricla Pirozzi
Director MGEN Co-op
Office: Dana 5th Floor

All COE Graduate Degree Programs Eligible for Co-op

22 Masters Degrees

- Bioengineering
- Chemical Engineering
- Civil Engineering
- Computer Systems Engineering
- Cyber-Physical Systems
- Data Analytics Engineering
- Data Architecture & Management
- Data Science
- Electrical & Computer Engineering
- Electrical & Computer Engineering Leadership
- Energy Systems
- Engineering Management
- Engineering and Public Policy
- Environmental Engineering
- Human Factors
- Industrial Engineering
- Information Systems
- Mechanical Engineering
- Operations Research
- Robotics
- Sustainable Building Systems
- Telecommunication Networks

9 PhD Programs

- Bioengineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Industrial Engineering
- Cybersecurity
- Interdisciplinary Engineering
- Mechanical Engineering

What is Cooperative Education “Co-op”?

Co-op students engage in real world experiences while exploring career paths, developing new skills, and building a professional network!

#1

Co-op/Internships

BEST COLLEGES
U.S.News & WORLD REPORT
NATIONAL UNIVERSITIES RANKINGS

Nearly 1000 graduate engineering students participated in co-op during the 2018-19 academic year

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Experiential Learning

Our Co-op Program

- Ranked No.1 by *US News and World Reports*
- 1000 graduate student placements in AY 2018-19
- Salary average $18-$41/hour
- 4, 6, and 8 month options
- Co-op coordinators prepare and help students!
- Leading companies: Google, Fidelity, Amazon, Massachusetts General Hospital, Tesla, Apple, and more!

In the Classroom

- Real-world, applicable, project-based curriculum
- Taught by faculty with extensive, current industry experience
- The program is located in high tech hubs
  - Boston, Silicon Valley, and Seattle

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Benefits of Cooperative Education

- Advance your skillset and explore your interests
- Learn first-hand in your chosen field
- Develop valuable job search and interviewing skills
- Connect and apply classroom theory
- Grow personally and professionally while building your resume/CV
- Make connections and build your professional network
- Salary range average is $18-41 per hour
- Utilize CPT in US or work globally

Graduate Co-op Timeline

4 MONTH		6 MONTH		8 MONTH	
START →	END	START →	END	START →	END
January	April	January	June	January	August
May	August	July	December	May	December
September	December				

Master and PhD level students are able to work for 4, 6 or 8 months depending on position and student availability.

The typical co-op cycles are spring (January to June) and fall (July to December). Summer cycle is May to August.

Career Preparation Courses (ENCP6100/6000

ENCP6100/6000 – Career Management for Engineers *(*course is required for co-op eligibility)*

Value of Co-op Prep Course

•Learn industry trends and the U.S. job market through a speaker session that we offer each semester
•Understand the time and dedication it takes to get a co-op and succeed once you are on your co-op
•A co-op is neither required nor guaranteed
•Your co-op advisor will be available to give you tools, guidance, and support throughout the process

Learning Objectives

•Create your personal identity with a Positioning Statement and Resume
•Search for a career relevant co-op using search tools, LinkedIn, Networking, and Professional Writing
•Get a co-op through behavioral and technical interviewing
•Succeed on co-op through the practice of engineering ethics and professional behavior as well as employing the right Mindset on the job

Graduate Co-op Program Overview (*contin.*)

How it works – Eligibility Requirements

•Complete 16 semester hours
•Pass **ENCP6100/6000**
•Have a 3.2 or higher GPA
•Have at least one course left in your program after your co-op
•One co-op is permitted

What to do next—Check out

•Grad Co-op Information: http://www.coe.neu.edu/co-op-advantage/graduate-co-op
•COE policy standards (GPA, terms completed/remaining, min/max length of co-op, academic approval, etc.) http://www.coe.neu.edu/graduate-co-op/graduate-co-op-eligibility-and-requirements
•Contact co-op faculty by scheduling an appointment via MS Bookings Page (found in our email signatures)
•After completing **ENCP6100/6000**, monitor your email for action steps including a form and co-op agreement

***It is important to note that co-op is competitive for both the student and the employer and it is not guaranteed.**

Over the last five years, MGEN students travelled to **11** different countries for co-op.

MGEN students travelled to **22** different states for co-op during academic year 2019-2020.

In academic year 2019-2020 alone MGEN had **450** students go on co-op so far.

In 2020 alone, 244 employers have benefitted from MSIS co-op students. Here is just a sampling of current co-op partners.

As a graduate student in IS/CSYE, we realize the need for a platform, to come together, share, learn and grow - A platform that is a safe space to express our insecurities but at the same time a space that challenges us to be pushed outside our comfort zones.

Our aim is to Encourage and Build our fellow students, over a broad spectrum, right from fundamental technical skills to being articulate and confident about expressing their ideas and beliefs – enabling them to tap into their potential, their wisdom and apply it to real-world problem-solving.

HUSKY SYSTERS CODE

Follow Us

Facebook

- Northeastern University Multidisciplinary Graduate Engineering – MGEN
- ***@NUMGEN***

LinkedIn

- Northeastern University Information Systems
- Northeastern University Graduate School of Engineering Co-op

Instagram

- Northeastern University MGEN
- ***@nu_mgen***

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Northeastern University
College of Engineering

Graduate Student Services – Boston Academic Advisors

Gloria Choi	**Mike McFadden**	**Erica Osiecki**	**Leslie Winslow-Keats**	**Sherry Wang**
Graduate Academic Advisor	*Graduate Academic Advisor*	*Graduate Academic Advisor*	*Graduate Academic Advisor*	*Graduate Academic Advisor*
Last Names A-F	Last Names G-LE	Last Names LI-PATEL	Last Names PATG-TA	Last Names TE-Z

Graduate Student Services – Regional Campus Academic Advisors

Terri Gu	Jeffrey Lam
Graduate Academic Advisor	*Graduate Academic Advisor*
Seattle, WA	Silicon Valley/San Jose, CA

How to Contact Your Academic Advisor in the Graduate School of Engineering

- Boston-based students: coe-gradadvising@northeastern.edu
- Seattle-based students: coe-seattle-gradadvising@northeastern.edu
- Silicon Valley-based students: coe-sv-gradadvising@northeastern.edu

Course Registration Guidance for Summer

New Student Information

Congratulations on your acceptance to the College of Engineering!

Read below for information regarding your admission to the Graduate School of Engineering. You can also visit the Graduate Admissions Support Center for more information.

The following is important information for you to know before you begin your graduate engineering program at Northeastern University. Otherwise, we hope that your plans to attend are coming along smoothly, and we look forward to meeting you at the new engineering student orientation program. Details regarding orientation will be sent to you via email.

+ HOUSING
+ TEMPORARY ACCOMMODATION
+ TRANSPORTATION
+ SET UP YOUR MYNORTHEASTERN ACCOUNT
+ REGISTRATION OVERVIEW
+ INFORMATION ON COURSE REGISTRATION

× INFORMATION ON COURSE REGISTRATION

Many of our programs request that new students not register for courses until on or after the new student orientation. If your department/program of acceptance would like you to register early, the name of your program with a link to course registration guidance will appear here.

Status and Eligibility Guidance for Registration

The following is an unofficial guide regarding student status and course eligibility and is current as of March 10, 2021. Northeastern's Office of Global Services (OGS) provides official information for all international students. International students should continue to check the OGS website for the latest guidance and updates.

- **Int'l Student Planning to be Outside of the U.S.**
  - If you are a new international student outside of the U.S. and do not plan to enter the U.S., you can enroll in 1 or 2 courses in any modality (e.g. designated as either *Traditional* or *Online Instructional Method*).
- **Int'l Student Planning to be Inside the U.S.**
  - If you are a new international student and have an active F-1 status and plan to be in the U.S., you are required to be full-time enrolled in a program of study. Such students should enroll in 2 courses (at least 8 credits) where at least 1 of the 2 courses is a Hybrid NUflex course. All NUflex courses have an on-ground component. Within the course registration system, note that any course that is designated as a *Traditional Instructional Method* course is a Hybrid NUflex course.
- **Domestic or Other Student**
  - If you do not fit into one of the above categories, you can take 1 or 2 courses in any modality (e.g. designated as either *Traditional* or *Online Instructional Method*).
- **All Students**
  - To be eligible for the NUSHP student health insurance plan, you must enroll in at least one course that is considered to be on ground, such as a Traditional Instructional Method course. If you are a full-time student, you must also be enrolled in at least 7 semester hours to be eligible for NUSHP. If you are a part-time student, you must be enrolled in at least 6 semester hours to be eligible for NUSHP.

https://coe.northeastern.edu/academics-experiential-learning/graduate-school-of-engineering/graduate-student-services/new-student-information/

Summer Course Registration is open

Important Summer Deadlines:

- Full Summer and Summer 1 semesters begin **Monday, May 10, 2021**
  - Drop without a W deadlines are **May 23 (Summer 1) and May 30 (Full Summer)**

- Summer 2 semester begins **Tuesday, July 6, 2021**
  - Drop without a W deadline is **July 19 (Summer 2)**

https://registrar.northeastern.edu/wp-content/uploads/sites/9/2020-2021-GR-Expanded-Calendar-List.pdf

Helpful Links on the Graduate School of Engineering Website

- All things course registration, course planning, waitlists, and the registration system itself
  - https://coe.northeastern.edu/academics-experiential-learning/graduate-school-of-engineering/graduate-student-services/course-registration/

- FAQs for Newly Admitted and Current Students
  - https://coe.northeastern.edu/academics-experiential-learning/graduate-school-of-engineering/graduate-student-services/faqs-for-newly-admitted-and-current-students/

Key Procedures and Dates

- MARCH 19--Course guidance posted, and distributed for review
- MARCH 22--Students surveyed to confirm Summer course enrollment intent
- MARCH 26--Official Univ. records updated to support course registration
- APRIL 1 to 19--Students course enroll/register
- APRIL 5--Students initiate I20
- APRIL 23--If not course enrolled, NU will adjust records for Fall 2021 entry

UPCOMING EVENTS

Wonder Week – March 22-26
Department-specific sessions

April Events

April 10-12: NU at large graduate studies open house

The Office of Global Services

Requesting your Summer 2021 I-20

Documents to prepare
Best Practices
Guidance & Dates to Remember

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I-20 Request Form

To access the form, please visit the OGS website https://international.northeastern.edu/ogs/ and choose: “New Students-> Requesting your I-20”

FORM INFORMATION

The Form I-20 "Certificate of Eligibility for Nonimmigrant (F-1) Student" is a required document for an F-1 student visa application at a U.S. Embassy or Consulate, or to finalize the transfer-in process of a student's Active SEVIS record to Northeastern. The Form I-20 is also used in support of a Change of Nonimmigrant Status application to F-1 status within the U.S.

The following students should complete this e-form:

- New students coming from outside the U.S.
- Students currently in F-1 status studying at another school in the U.S.
- Current Northeastern University students in F-1 status moving to a new degree program at Northeastern
- Students currently in the U.S. in any nonimmigrant status (e.g., E-2, H-4, L-2, J-2, etc.) who want to change to F-1 status*

*Note: If you are not planning to change status to F-1 status, we strongly advise you refer to an immigration attorney to help you determine if your current visa allows you to study in the US and gives you eligibility to work in the US, including participation in co-op or other forms of experiential learning that may be required by your academic program.

Click here for information about the F-1 student visa application process

INSTRUCTIONS ON HOW TO COMPLETE THESE E-FORMS

I-20 Request Form

1st Step

✓ SUBMITTED
Biographical Information

2nd Step

✓ SUBMITTED
Program & Financial

✓ SUBMITTED
Transfer-In Verification

Optional

✓ SUBMITTED
Dependent(s)

3rd Step

☑ APPROVED
Uploads & Attestations

Passport

Color copy of the biographical page

Expiration date of no more than 6 months after program start date (Valid until November 10, 2021)

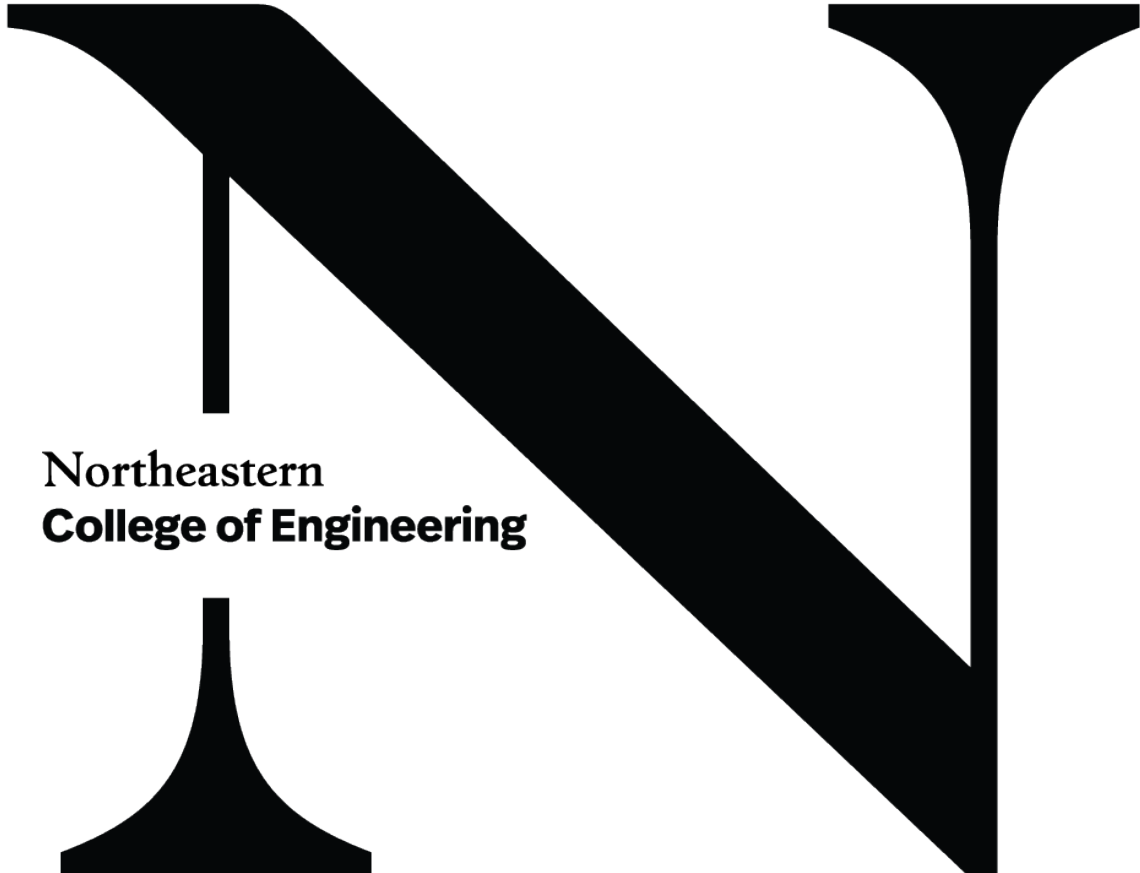
Financial Documents

Dated within 9 months of your program start date (No earlier than August 10, 2020).

Document should list account type and/or whether funds are readily available

If you have a sponsor that is not a direct relative, you will need to provide a support letter indicating they are willing to provide this funding.

Guidance & Dates
Summer 2021



International Security + Travel Safety

NU Police Department

NORTHEASTERN

Travel and Transit Info

- The university maintains a list:
  - Travel requirements for US States where NU campuses are located
  - Entry prohibitions: China, Iran, South Africa, Brazil
  - Travel from Schengen, UK, or Ireland
    - Requirements for J-1
    - Blanket NIE approval from F-1 and M-1 holders
  - Use this site: https://international.northeastern.edu/ogs/current-students/traveling/traveling-to-northeastern-from-abroad-during-covid-19/
- Best source of information is your airline
- Also check the following sources:
  - IATA - https://www.iatatravelcentre.com/world.php (updated frequently)
  - Your govt ministry of foreign affairs and border control
  - Any transit country/countries ministry of foreign affairs and border control
- Did you get a COVID-19 Test?

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Port of Entry: Preparation USA Entry

Be ready to show your paperwork

- Your support letter
- Proof of negative COVID-19
- I-20
- Passport and Visa

The CBP official has the authority to:

- Verify your documents and request information about your stay in the US,
- Search your electronic devices,
- Select you for secondary inspection, and
- Deny your entry.

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Port of Entry: If you run into issues

If you have issues at the port of entry – CALL +1.617.373.2121

The number is staffed 24/7

Operator will ask for:

- Caller's name and contact information,
- Airport location and contact information,
- Name of Student or Scholar held at the immigration checkpoint and country of origin,
- Student/Scholar's SEVP/SEVIS ID number,
- Student/Scholar's visa classification (such as "F-1", "J-1", etc.), and
- Name of the DSO or A/RO who signed the Certificate of Eligibility (I-20 or DS-2019).

Give operator your phone number and a number to contact the CBP desk

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Off-Campus Housing

Off Campus Housing and Support Services

- Boston housing search and relocation advice
  - Apartment search
  - Connections to realtors and roommates
- Support and Education
  - Knowing your renters' rights and responsibilities
  - Reading your lease
  - Avoiding scams
- Community Connection
  - Events to connect with your community
  - Events to meet other Huskies in your area (Boston or beyond!)

151 Speare Hall

617-373-8480

Mon-Fri, 9am-5pm ET

offcampus@northeastern.edu

northeastern.edu/offcampus

OCHSS - Resources

- **OCHSS website:** offcampus.northeastern.edu
- **International Student Apartment Search Website**: offcampus.northeastern.edu/international-students/
- **Temporary Housing**: offcampus.northeastern.edu/temporary-housing/
- **Online Housing Database**: Aptsearch.neu.edu
- **Video Series:** offcampus.northeastern.edu/videos/

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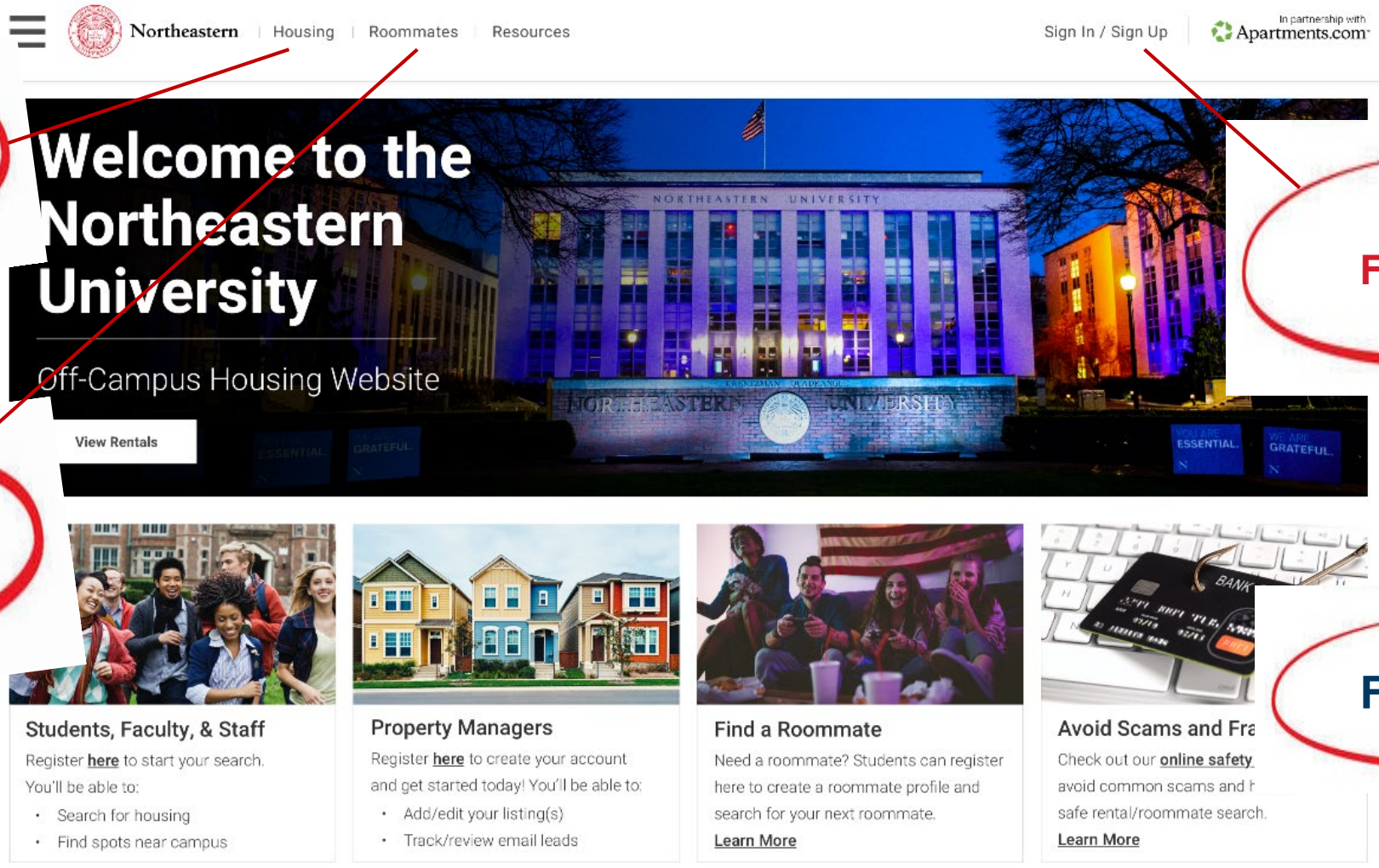
Realtors

Apartment Listings

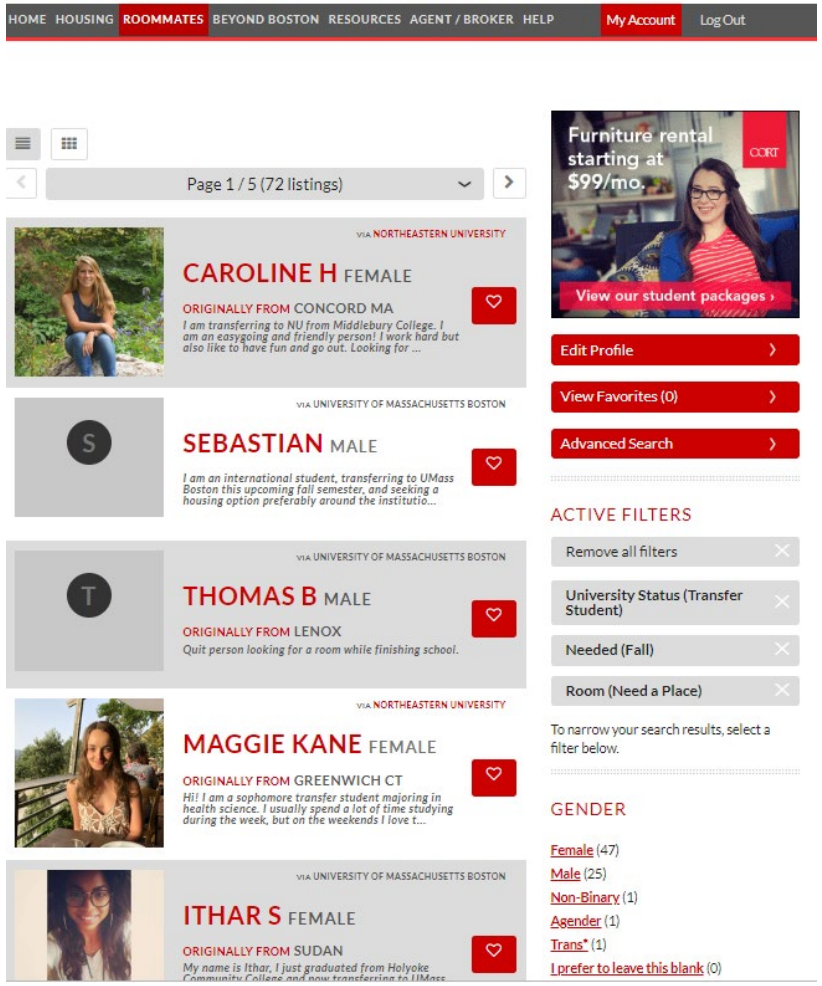
Sign Up For FREE!

Find Roommates

Find a Sublet



OCHSS – Create a Roommate Profile



- Filter roommates
- Find roommates
- Find open rooms
- Message Directly

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OCHSS – Housing Services

- Housing search help
- Relocation support
- Lease reviews: know what you're signing!
- Assistance with tenant rights, responsibilities, and landlord issues
- Roommate mediation

Video Series!

OCHSS – What to Consider…

- Proximity to campus
- Pick roommates carefully
- Plan for First/Last/Security/Broker fee
- Need a co-signer or visa information
- Standard lease: Sept. 1 – Aug. 31
- Unfurnished is the norm
- Is subletting a good option? Is temporary housing a good option?

Husky Tracks Newsletter

☀Happy Summer Semester!☀

Staying in Boston? Whether you are in classes or on co-op, we hope you enjoy the outdoors and warm weather!

CAN'T MISS EVENTS in MAY

The Patios: Boston City Hall Plaza will install nine custom patio areas for the 2018 spring and summer seasons, complete with a beer garden, ice cream shop, food trucks, miniature golf, special popup events, an ongoing "Puppy Wednesday" event series, and much more. May 4th-August 31st, 4pm-10pm

Volunteer at a Community Garden!

Sign up HERE!

Emergency Preparedness Day

Going on Co-op?
Find Housing to Meet Your Needs!

If you're looking for temporary housing in the Boston area, here are some places to start:

- Go to Find Housing on the Off Campus Student Services website to see the best options for long term or temporary housing.
- Sign up for the Northeastern Housing Database using your Husky email address to browse current apartment and sublet listings.
  - Use filters to find listings to

Apply to be a CA!
Want to help students living off campus and get paid?
Submit your application.
Priority Deadline: 4/1

What is ISD?

ISD is Boston's **Inspectional Services Department**. ISD enforces housing, sanitation, and safety codes for all residents of Boston. ISD will perform an inspection to make sure that your apartment is safe and up to code!

If you have already reported a problem to your landlord, but have not received a response, or feel that you aren't getting the help that you need, call **ISD** to perform a *free inspection* and file an official report. This report will help

Mayor's Enchanted Trolley and Tree Lightings
December 1st-3rd
3:15pm, Mission Hill
3:45pm, Roxbury

Sign up!

northeastern.edu/offcampus/newsletter

OCHSS – Stay Connected

Northeastern University
Off Campus Housing and Support Services

151 Speare Hall

617-373-8480

Mon-Fri, 9am-5pm ET

offcampus@northeastern.edu

northeastern.edu/offcampus

@nuoffcampus

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Questions?

Thank you!

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