Congratulations on your acceptance to the Information Systems program at Northeastern University’s Seattle Campus!

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.

As an Information Systems Seattle student you are required to complete INFO 5100, Application Engineering Development, and INFO 5101, Lab for INFO 5100, in your first term. These are the only required courses in the Information Systems program and it is an important building block for all of your subsequent courses. Your second course will be the first elective course in your program. We have four different elective options for our first year students that will help you develop the skills you will need to be successful throughout the rest of your program.

Before we tell you more about your Fall classes, we want to introduce the team that will support you in Seattle:

<table>
<thead>
<tr>
<th>Name</th>
<th>Campus Location</th>
<th>Email</th>
<th>Areas of Support</th>
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<tbody>
<tr>
<td>Dr. Kal Bugrara</td>
<td>Boston</td>
<td><a href="mailto:kmb@coe.neu.edu">kmb@coe.neu.edu</a></td>
<td>Director of IS in Boston and Seattle. Oversees the direction of the program on both campuses.</td>
</tr>
<tr>
<td>Dr. Andrei Guschin</td>
<td>Seattle</td>
<td><a href="mailto:a.guschin@northeastern.edu">a.guschin@northeastern.edu</a></td>
<td>Academic Advisor and Faculty on the Seattle campus. Contact with academic advising questions.</td>
</tr>
<tr>
<td>Matt Lenda</td>
<td>Boston</td>
<td><a href="mailto:m.lenda@northeastern.edu">m.lenda@northeastern.edu</a></td>
<td>Seattle Co-op Advisor and Professor of ENCP 6000. Contact with co-op related questions.</td>
</tr>
<tr>
<td>Tricia Dowd</td>
<td>Boston</td>
<td><a href="mailto:p.dowd@northeastern.edu">p.dowd@northeastern.edu</a></td>
<td>Manages the administration of the Seattle IS program.</td>
</tr>
<tr>
<td>Haley Lyons</td>
<td>Boston</td>
<td><a href="mailto:h.lyons@northeastern.edu">h.lyons@northeastern.edu</a></td>
<td>Student Services Advisor for both</td>
</tr>
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Professor Kal Bugrara, the Director of the Information Systems program and your Academic Advisor, has created the following advising guide for you to refer to as you choose your courses for this Fall:

**Required:**

**INFO 5100 (required), Application Engineering and Development:** Students will learn innovative software programming techniques that will enable them to properly design and build any kind of application quickly. Through hands-on weekly lab sessions, students practice the development of applications as an assembly of components. Object-Oriented techniques for building business architectures that map to software applications will be introduced. You will learn how to master ways of taking vague requirements and turn them into systems of ecosystem scale. This class was designed to meet the needs of engineering students with a limited programming background. Students who do have a programming background will learn how to design and architect software the right way.

**Advisor’s Note:** This class with its emphasis on solid design of socio-technical systems is the cornerstone of what we do in IS.

**Sections Available:**

Section 03: Friday 5:00-8:30 PM **CRN 15482**

**INFO 5101 (required), Lab for INFO 5100:**

**Sections Available:**

Section 16: Part of your Friday INFO 5100 class **CRN 15547**
**Elective Choices:**

**CSYE 7280, User Experience Design/Testing:** This course introduces advanced user experience concepts while working on web design projects. The focus is on creating websites that will help you meet your customer’s needs. Wireframes, user scenarios, quality assurance, and usability are all covered.

**Advisor’s Note:** There is a great class for students interested in front-end design.

**Sections Available:**

- **Section 02:** Saturday 1:45-4:45 PM **CRN 18623**

**INFO 6205, Program Structure and Algorithms:** This class is recommended for students who have had programming experience before but lack the algorithmic approach to solving complex programming challenges. The class covers all kinds of data structures from stacks, queues, trees, graphs, and algorithmic performance complexity. In addition, the class covers various problem solving techniques such as divide and conquer, dynamic programming, randomized and greedy algorithms, backtrack search, etc. After the completion of this class you will be in a position of solve any programming problems. Though this class is optional, is highly recommended for students aiming to be software developers.

**Advisor’s Note:** There is a lot of technical work involved here, so it will be a challenge along with the Application Engineering class. Students with a strong technical background may wish to take up this challenging opportunity.

**Sections Available:**

- **Section 03:** Wednesday 6:30-9:30 PM **CRN 18983**

**To register, please email Haley Lyons at h.lyons@northeastern.edu. Make sure to include your NUID number and the CRN (18983). It will also help Haley if you let her know you are a Seattle student! **

**INFO 6210, Data Management and Database Design:** For the student who has no background in databases and wants to know what is involved in the design and programming of databases and wants to maximize technical skills. A good foundation for those who want to focus on data management, business intelligence, data science, etc. or who want to make these areas their career objectives.

**Advisor’s Note:** This class will prepare you well for Web Methods and Tools in the Spring semester.

**Sections Available:**

- **Section 08:** Tuesday 6:30-9:30 **CRN 16256**
INFO 6215, Business Analysis and Information Engineering: This class provides an overview of the software life-cycle with special emphasis on client engagement, requirements gathering, use-case development, UML class diagrams, etc. This is an excellent class for students who are new to the software industry and want to take their time in building their programming skills.

Advisor’s Note: The class complements the Application Engineering class very well. It will be taught by your Full time advisor on the Seattle campus, Professor Andrei Guschin!

Sections Available:
Section 02: Tuesday/ Thursday 10:00-11:30 AM CRN 18624

Co-op Course:

ENCP 6000, Career Management for Engineers: This course offers students an opportunity to develop career goals and be able to identify and justify what they need to learn through their co-op experience and entire careers. Professor Matt Lenda, Seattle faculty co-op coordinator, will teach the course virtually from Boston, supported by various campus visits & on-campus workshops. Topics covered include resumes, co-op search, and interview preparation.

Matt will be in Seattle for Fall Orientation the first week of September, as well as the third and fourth weeks of September for the career fair prep & actual career fair. Students will have separate emails from him that will invite them to one-on-one advising meetings.

Advisor’s Note: If you plan to go on co-op you should sign up for this class

Sections Available:
Section 04: Online CRN 15480

Frequently Asked Questions

How do I register?:
For INFO 5100, 5101, 6210, 6215, CSYE 7280, and ENCP 6000: Please enter the CRN numbers listed above directly into your registration worksheet. Please note that these sections are not available to view online as they are reserved for Seattle students only. You will not be able to register for these classes using the search classes feature and MUST enter the CRNs directly. If you need help navigating to your registration worksheet on your MyNEU account 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
For INFO 6205: please email Haley Lyons at h.lyons@northeastern.edu with the CRN you’re your NUID. Make sure to mention you are a Seattle student. Students will be accommodated on a first come first serve basis. If the class fills you will have to join a different elective that has seats.
**What if I already registered for classes?:** Please drop them immediately, unless they are the courses listed above. As a Seattle student you want to be very careful that you are registered for Seattle sections! The sections that you see published online are for the Boston campus. We hide the Seattle classes to make sure the only people who can register for them are Seattle students.

**What if I do not get the elective I wanted?:** If your first preference fills, please sign up for your second preference (and so on). The schedule is dynamic and students will continue to change their registrations up until the start of the term so there is still an opportunity for you to get into your first choice elective this Fall. Please make sure you are always registered for 8 SH if you are a full time student.

**Can I take an elective other than the four listed above?:** No. These classes were chosen because they are appropriate for first term students. Please refer to the advising guide to select the class most relevant to your interests.

**Can I skip the Application Engineering class (INFO 5100) or take it later in the Spring or Summer?:** No, you must take INFO 5100 this Fall. The class is only available in the Fall terms and is essential for advancing yourself through the program and engaging in a successful co-op experience.

**Am I allowed to take three courses?:** No, Information Systems students are limited to two courses each term. Based on feedback from our students we found that three courses were too demanding, especially in terms of final exams and projects. All of our courses require projects that count as much as 30% of your final grade and it is extremely hard to complete three of these a term. No exceptions to this policy will be considered until after your first year.

**Can I take courses from other departments?:** The only other department Information Systems students are allowed to take classes from is CSYE (Computer Systems Engineering). CSYE is a sister program to IS and is being repositioned to focus exclusively on big-data technologies and programming platforms.

**Can I transfer credit from other universities?:** No. Professor Bugrara firmly believes that all 32SH should be taken within the program at Northeastern University to uphold the integrity and continuity of the program.

**What is the duration of the Information Systems Program?:** You are required to take eight courses, for a total of 32 credits. The program takes a minimum of three semesters to complete. The typical student takes 2.5 years to complete the program, which includes an eight month Co-op.
Is there funding or Teaching Assistant jobs available for first year students?: Unfortunately, there are no funding options in your first year. TA positions are filled by second year students only. You are expected to be fully dedicated to achieving academic success in the first year of the program.

Am I required to bring a laptop?: Yes. You must bring a high-quality laptop with a minimum of 8 GB memory AND a strong (4 hour) batter life- this is required for the Application Engineering course.

Am I eligible for Co-op?: You are not eligible for co-op the first two semesters of your program, during which your focus will be strictly academic. You are allowed to begin your first co-op after the Spring semester ends. During your last semester of study (in your second year), you must be fully on campus as a Full Time student, even if you are eligible to be on co-op. According to government rules and regulations, co-op is an educational opportunity to strengthen your engineering skills --not a job pursuit.

How do I register for the Co-op course?: One of the requirements to becoming eligible to go on co-op is to take ENCP 6000, Career Management for Engineers. This course will be available in both the Fall and Spring terms. Please see the information above to register for the ENCP 6000 course this Fall.

How long can I go on Co-op?: Co-ops are a minimum of four months and a maximum of eight months. You can start a co-op in May after the Spring term ends or in December after the Fall term of your second year ends. With that said, please keep in mind our Seattle co-op policy is more flexible than our Boston policies and Matt Lenda will work with you on the specifics of your co-op experience.

Will I get a bill from registering?: Yes, 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/contact/.

How do I get a MyNEU account?: After you confirm your enrollment, you will be able to utilize your MyNEU portal using this link, http://myneu.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

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

We look forward to welcoming you to the Graduate School of Engineering!

Sincerely,