

UB Seminars: Register Today!

The UB Seminar is the entryway to your UB education. These are “big ideas” courses taught by our most distinguished faculty in small seminar settings. Embracing broad concepts and grand challenges, they encourage critical thinking, ethical reasoning, and reflective discussion from across the disciplines. The seminars are specifically designed to address the needs of incoming first year and transfer students and to prepare them for the academic expectations of a world-class research university.

As an Intended Computer Engineering or Computer Science major, you must select a UB Seminar and register for this class using the HUB Student Center!

- *A complete list of UB Seminars is available online at buffalo.edu/ubseminar.*
- *Registration information and help is available at buffalo.edu/getstarted.*
- *Enroll in your UB Seminar within 5 days of receiving this information to ensure the widest selection of topics. Since all students must complete a seminar in their first semester, students who don't enroll in a timely manner will be enrolled in random sections by the UB Curriculum Office.*

CSE 199 – How the Internet Works

The Internet is changing every aspect of our lives, including how we communicate, learn, navigate, organize, work, play, and love. The Internet also represents a crowning achievement of computing: a single system uniting hardware and software, theory and implementation, standards and innovation, engineering and science, protests that topple governments and stupid cat videos. This course provides an overview of how the Internet works by describing everything required to answer a single search query. Along with its technologies, we will delve into the Internet's past and future, policy challenges, and societal implications. The course is targeted at a general audience, but because the Internet reflects contributions from many areas of computer science and computer engineering, it also provides a good overview for potential majors. Familiarity with the web and access to a personal computer are assumed, but no technical background is required. Enrollment in this course includes a lecture twice per week and your selection of a once per week recitation topic.

The School of Engineering and Applied Sciences has developed a special UB Seminar for intended computer science and engineering majors. This seminar is particularly suited to students with an interest in these disciplines, however you may choose a different seminar if you wish.

Students are not permitted to change their UB Seminar on their own, so please choose carefully! If you need to change your UB Seminar due to change of major, you may submit this request via <https://www.eng.buffalo.edu/undergrad/apps/schedule-change/>. The deadline for schedule change requests is Friday, August 5th, 2016.

Common Questions Regarding “Intended” Major Status

Congratulations on your decision to enroll in the University at Buffalo. As you know from previous communications, you have been admitted to the University at Buffalo as an intended engineering or computer science major. Students who enter UB as an intended major are required to complete a collection of core courses and meet acceptance criteria to gain admission to the major. This scenario can cause confusion for students and families. Here is a collection of Questions and Answers that might be helpful to have handy.

Why am I unable to be directly admitted to the School of Engineering and Applied Sciences (SEAS)?

SEAS considers high school grades, class standing, Regents exam scores, and either Scholastic Aptitude Test (SAT) or American College Testing (ACT) scores within our admission analysis. For example, we generally require a SAT (or equivalent ACT) score of at least 1180, and many students are declined direct admission to SEAS because of this criterion.

What are the implications of entering UB as an intended engineering or computer science major?

Intended engineering and computer science majors are permitted to participate in math, science, general education, and freshman and sophomore-level engineering and computer science courses, but are not permitted to participate in junior- and senior-level engineering and computer science courses. This constraint does not significantly impact a student’s course selection. Importantly, intended majors are able to graduate in four years with an engineering or computer science degree.

How do I gain admission to the School of Engineering and Applied Sciences?

The process is fully described at <http://www.eng.buffalo.edu/undergrad/admissions/current>. In short, our admission path requires students to (1) complete a set of four core courses with grades of C– or better and a combined core course GPA of at least 2.5 and (2) possess an overall cumulative GPA that meets or exceeds the GPA required for the major of interest.

Can I pursue majors other than engineering and computer science?

Absolutely. One of the wonderful things about UB is the breadth of academic majors it offers. As an intended major you will receive advisement that helps you discover how your interests and strengths relate to majors and careers, and assists you in developing a holistic academic plan.