Dedicated to Academic Excellence

With state-of-the-art facilities, distinguished faculty, and outstanding students, your engineering education will be top notch, aimed at preparing you for a successful career, not just your first job.

Rich in Opportunity

Clubs, undergraduate research, internships, and study abroad programs are but a few of the opportunities you may choose from to enrich your undergraduate experience and jump-start your career.

When You Join Us at UB Engineering...

You join a thriving, diverse community alive with academic adventure, professional activities, social events, and national competitions that promote leadership, pride, unity, and professionalism in the engineering field.

Degree Programs

UB Engineering offers bachelor’s, master’s, and doctoral degrees in the following disciplines:

- Aerospace Engineering
- Bioinformatics and Computational Biology
- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Engineering Physics
- Environmental Engineering
- Industrial Engineering
- Mechanical Engineering

Also available are special combined degree programs that shorten the path to a master’s degree by one year, including several that lead to a bachelor’s degree in engineering with a master’s degree in business administration (MBA). For degree information, please visit the academic programs section of the undergraduate catalog:

http://undergrad-catalog.buffalo.edu
FRESHMAN YEAR EXPERIENCE
We have designed your first year to combine large-school opportunity with small-school sense of belonging. Drawing on the National Academy of Engineering’s “Grand Challenges” for the future, our freshman engineering courses develop a vision of the engineering profession and its impact on society. Students work in project teams to learn how engineers approach and model real world problems, from the public policy level to hands-on design and testing. Many freshmen also opt to participate in our Academic Small Groups, an innovative and highly successful program that helps students transition across the core curriculum of Chemistry, Math, and Physics. Throughout this year, a cadre of upperclass student leaders work closely with freshmen, serving as project team mentors, small group tutors, and “go-to” resources.

EXPERIENTIAL LEARNING
Our experiential learning programs encourage students to “engineer today” by becoming involved in activities outside the classroom, including job shadowing, intramurals, and internships, among others.

UNDERGRADUATE RESEARCH
Our undergraduate students and distinguished faculty engage in research projects that ignite the intellect and enliven the learning process. With assistance from the Center for Undergraduate Research and Creative Activities (CURCA), you too can be a part of this exciting world of discovery.

CAREER DEVELOPMENT
Students follow a comprehensive four-year schedule of activities to enhance their development as professional engineers. UB’s engineering career counselor works closely with students through the university’s Career Services Office to provide a wide variety of services, including individual career counseling, connections with alumni mentors, resume and cover letter critiques, and job search and interviewing guidance. Career Services hosts recruiters from a variety of local and national employers who come to campus to attend job fairs, hold information sessions, or meet with students in our private interview rooms.

STUDENT CLUBS
UB Engineering has more than twenty student clubs and organizations. Many clubs compete in a variety of national and international competitions. For example, the Society of Automotive Engineering students participate in Mini-Baja, Design/Build/Fly, and Clean Snowmobile competitions. In short, our clubs can offer you teamwork skills, leadership experience, lasting friendships, and a sense of community, as well as plain old fun!

STUDY ABROAD
With opportunities in approximately thirty countries, UB students gain valuable international engineering experience while continuing to make progress toward their degrees. Among the features of the program are academic courses for UB credit, UB tuition, many courses in English, and optional intensive language training.

ENGINEERING ALUMNI
UB Engineering boasts over 29,500 alumni, located in fifty states and sixty-five countries. Our alumni include CEOs of corporations, astronauts, the inventor of the cardiac pacemaker, and NASA’s Goddard Center director. Members of our alumni association show their pride in their alma mater by sponsoring scholarships and internship opportunities for current students, as well as actively mentoring students in formal and informal activities. Find your place in the distinguished ranks of UB Engineering alumni!

CAMPUS VISITS
UB Engineering information sessions and tours are available on most Friday mornings during the academic year. Additional sessions are often scheduled for school holidays and summer break. Reservations are required, so please see our schedule online at www.eng.buffalo.edu/undergrad/prospective/tours.