

The School of Engineering and Applied Sciences

A member of the prestigious Association of American Universities, the University at Buffalo stands in the first rank among the nation's research-intensive public universities. UB Engineering is New York State's largest and most comprehensive public school of engineering.

The UB Engineering experience is described in this brief overview, and in more detail on our Web site at: www.eng.buffalo.edu. The best way to experience life at UB is to visit us in person, either at an open house event or through our on-campus tour. We're confident that you'll be impressed with all that UB Engineering has to offer.

At UB Engineering, we are completely dedicated to academic excellence.

With state-of-the-art facilities and distinguished faculty who care about you, this is the place to start a great career.

Our community of students and teachers is close, engaged, intense, and fun.

Our first priority in undergraduate education is you. We do everything we can to make sure you have the tools and the help you need to succeed.

At UB Engineering, you will have a world of opportunity to explore—literally.

Our extensive study abroad programs prepare you to work in the global engineering market. Our undergraduates work on research projects with world-renowned senior faculty. Students also get real engineering experience through our co-op work programs. All the opportunities here translate into opportunities for your career.

When you join us at UB Engineering...

you join a thriving multicultural community alive with academic adventure, social events, and national competitions that promote pride, unity, and professionalism in the engineering field.



Degree Programs

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

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

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>

ENGINEERING FACTS

- 2,381 Undergraduate Students
- 1,036 Graduate Students
- 897 Degrees Awarded Annually
- 6 Departments
- 123 Full-time Faculty Members
- Cost for NYS Resident:
\$6,278 Tuition/Fees
\$9,406 Room/Board
- \$35.2 Million Annual Research Expenditures

WWW.ENG.BUFFALO.EDU

UB ENGINEERING: YOUR EDUCATION, YOUR CAREER, YOUR LIFE

PRACTICAL, HANDS-ON EXPERIENCE

In addition to practical experience gained through required courses, additional work experience is available through several of our innovative programs. UB Engineering works with approximately 200 companies each year in funded projects, internships, and co-ops. Also, UB Engineering offers the Engineering Career Institute (ECI), a unique elective course featuring career effectiveness skills and advice from experts in industry.

UNDERGRADUATE RESEARCH

Every day at UB, 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. CURCA assists undergraduate students in finding challenging research opportunities that match their academic interests and career goals.

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. In addition, 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. Students may view the list of companies, submit a resume, and sign up for an interview—all online.

STUDENT CLUBS

UB Engineering has twenty-six student clubs and organizations. Participation provides students with an array of social, academic, and professional opportunities through meetings, active participation at conferences, networking with engineering professionals, plant/site visits, and more. In addition, many clubs compete in a variety of national and international competitions. For example, the Society of Automotive Engineering students participate in Mini-Baja, Formula 1, 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!

STUDENT EXCELLENCE INITIATIVE

This innovative and award-winning tutoring and mentoring program helps all students achieve their academic potential and build supportive relationships with their peers and the faculty. Students are offered a variety of programs, including structured study groups (math,

chemistry, and physics), individual tutoring, and faculty-student mentorships. In addition, we will register you into your first-semester freshman courses with approximately twenty fellow engineering majors, giving all of you the same schedule and a small learning community.

WE'RE WIRED

UB Engineering provides students with engineering-specific user accounts, disk storage resources, time-share computing, e-mail and Web services, student computing classrooms and laboratories, and software support. In addition, central UB technical services provides such computer resources as MyUB, a one-stop online destination you use to register for classes, check your academic and financial aid records, receive important announcements, and much more. With UBlearns, students access course syllabi, readings, and assignments, and communicate with classmates via e-mail, virtual chats, or discussion boards.

STUDY ABROAD

UB ranks fourth in the country in the number of engineering undergraduates studying 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, optional intensive language training, and paid internships.

ENGINEERING ALUMNI

UB Engineering boasts over 22,000 alumni, located in fifty states and fifty-two countries. Our alumni work in an incredible array of diverse and exciting fields including computer software and systems design, construction, transportation, electronics, communications and telecommunications, manufacturing, energy, environmental protection and restoration, aerospace, nanotechnology, bioinformatics, bioengineering, health and safety, engineering consulting, and academia, to name but a few! Our alumni include CEOs of corporations, astronauts, the inventor of the cardiac pacemaker, and NASA's chief engineer. 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/tours.pdf and call us at (716) 645-2774, ext. 1115 to reserve your spot.

FOR MORE INFORMATION:

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