Regardless of the major you choose, your experiences outside the classroom will help you to develop marketable skills to increase your future employability anywhere.

- Internships, volunteering, part-time or summer employment
  buffalo.edu/career
- Research opportunities
  curca.buffalo.edu
- Student clubs and organizations
  buffalo.collegiatelink.net
- Writing skills
  www.buffalo.edu/cas/writing
- Public speaking and community involvement
  leadership.buffalo.edu
- Other workshops
  workshops.buffalo.edu

Resources
UB Resources

Choosing a Major
advising.buffalo.edu/yourmajor/choosing.php
Career Services
buffalo.edu/career
College of Arts and Sciences
casadvising.buffalo.edu
Cora P. Maloney College
cpmc.buffalo.edu
Counseling Services
ub-counseling.buffalo.edu
School of Engineering and Applied Sciences
engineering.buffalo.edu
Undergraduate Advising
advising.buffalo.edu
Undergraduate Catalog
undergrad-catalog.buffalo.edu

Student Success and Retention
Office of Student Advising Services
109 Norton Hall
716-645-6013
sas-advisor@buffalo.edu
sas.buffalo.edu

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Should I Stay or Should I Go?
Since choosing an engineering major is essentially a career decision, many students who experience difficulty with engineering might realize that they simply have not made an informed choice. You may think you have an idea of what an electrical engineer does, versus a mechanical engineer or a civil engineer, but have you researched the specifics of these job descriptions? Consider speaking with practicing engineers in various fields or even shadowing someone for a day. This will give you a good idea of the extent to which your interests and abilities apply to the field and help you decide if you belong in engineering.

What Is Industrial Engineering?
A surprising number of engineering students transfer into industrial engineering each year. For many, the draw of this major is its people-oriented approach to productivity and problem-solving, as well as its ties to management. If you think this field may interest you, speak to faculty and students in the department.

Other Engineering Careers
Keep in mind that an engineering background is very useful in the business world, especially in engineering sales, technical writing and consulting. And yes, you can still make that big engineering salary in those fields!

Career Services
259 Capen Hall • 716-645-2231
buffalo.edu/career
If it’s time for a re-evaluation of your interests and goals, UB’s Office of Career Services is an excellent resource, providing career counseling, self-assessment, the UB Mentor Program on LinkedIn, the UBE 202 Career Planning course and more.

Alternative Majors

Architecture
114 Diefendorf Hall • 716-829-5900
ap.buffalo.edu/architecture
In addition to technical skills that relate to constructed and natural environments, architects must have knowledge of human behavior and needs. In this major, students focus on architectural communications, model-making and other visual skills, as well as issues and methods of design and construction. The BS in architecture is useful as a foundation for the architectural field, as preparation for a professional degree program or for employment in related areas, such as urban planning, facilities management, real estate or architectural preservation.

Art
202 Center for the Arts • 716-645-6878
art.buffalo.edu
Yes, art! If you like using your creativity and visual abilities, you may enjoy graphic design (BFA or BA). An increasingly wide range of careers value imaging skills and creative problem-solving, including commercial and freelance graphic design, Web and CD-ROM design, and arts management.

Computer Science
338 Davis Hall • 716-645-3180
www.cse.buffalo.edu
Computer science is a suitable alternative to computer engineering. Computer science is the systematic study of algorithmic methods of representing and transforming information, including theory, design, application and efficiency. In addition to algorithms and computation theory, this major focuses on software systems and engineering, artificial intelligence, graphics, networks and databases. Both the BA and the BS programs are excellent preparation for graduate study or professional positions in the computing field.

Environmental Design
114 Diefendorf Hall • 716-829-5900
ap.buffalo.edu/planning
The BA in Environmental Design, offered by Urban and Regional Planning, prepares students for careers that shape our natural and built environments. Through methods of design inquiry, students learn the planning and development of healthy and sustainable communities and acquire skills to improve physical places in which people live, work, and play. Environmental Design encompasses natural landscapes, neighborhood design, buildings, historic assets, ecological features, land development, transportation, and infrastructure systems. Environmental designers help communities make decisions concerning physical development, preservation, safety, mobility, and environmental protection, utilizing the bi-national Buffalo Niagara region as our design workshop.

Geography
Geographic Information Systems Concentration
105 Wilkeson Quad • 645-2722
buffalo.edu/cas/geography
The GISc option teaches how to address social, economic, and environmental problems through the use of geographic information technology. Core concepts, principles, and techniques of geographic information systems and other geospatial information technologies are used to visualize information in ways that reveal relationships, patterns, and trends. This concentration allows training in cartography (the art and science of map making), remote sensing (digital information about the earth through electronic sensors), and GIS (a set of theories and tools for analyzing spatial data) as well as sub-disciplines in geography such as physical (e.g., environment) or human (e.g., health) geography.

Mathematics
244 Mathematics Building • 716-645-6284
buffalo.edu/cas/math
A mathematics degree has diverse applications in the social, managerial and physical sciences, and can lead to a career in business and industry, government agencies, teaching or research. The department offers both a BA and a BS as well as a variety of program tracks for students preparing for graduate study in either pure or applied mathematics.

Natural Sciences & Other Majors
undergrad-catalog.buffalo.edu
Majoring in one of the sciences is a logical option, due to easily transferable course requirements and similar interests. Whether you choose biology, chemistry, biochemistry, medicinal chemistry, geology or physics, a BA or BS degree can lead to a variety of careers, from ecology to patent law, teaching to public health, meteorology to genetic research. You can also consider the BS degree in accounting or business administration, with a possible concentration in financial analysis or management information systems. Majors such as psychology, English, history, sociology or any other liberal arts field can also be equally attractive to potential employers as a degree in business.