

Civil Engineering MS – Focus Area:

Construction Engineering and Management

UB
University
at Buffalo
The State University
of New York



The MS focus in construction engineering and management prepares students for careers in the construction industry, with training in both engineering tools and management concepts. Students first learn the core principles of construction engineering and management, then develop capabilities in construction safety and occupational health, project management, planning and scheduling, budgeting and cost estimation, construction materials and techniques, sustainable construction practices, and legal/ethical considerations.

The 30-credit MS program includes two required courses, a flexible selection of electives, and either a project or comprehensive exam (with a 3-credit elective, including internship). With electives across structural, geotechnical, environmental, and transportation engineering, our curriculum allows you to tailor your studies to your career goals.



FOSTERING CONNECTIONS FOR PROFESSIONALS IN THE CONSTRUCTION INDUSTRY.

Why choose Construction Engineering and Management at UB?

Affordability

Spend less on tuition. UB has a worldwide reputation for academic excellence, but the cost of attending our graduate programs is much less than many comparable public and private universities.

Career Outcomes

The Construction Engineering and Management program prepares graduates to succeed in a wide range of careers, including leadership and management roles, technical and planning positions, and specialized or consulting careers across the construction industry—such as project and construction management, estimating and scheduling, field and site engineering, sustainability and safety coordination, facilities management, consulting, and real estate development.

Program Highlights

The MS Civil Engineering with a focus in Construction Engineering and Management prepares a wide range of professionals for careers in the construction industry. The U.S. Bureau of Labor Statistics projects a 9% increase in construction engineering and management over the next decade, much faster compared to other occupations. Our graduates are employed at top companies around the world such as AECOM, ATCS, Bechtel, CPL, FlatironDragados, Gilbane, Keiwi, LaBella Associates, Severson Environmental, and Turner.

Top-Notch Faculty

Be taught and mentored by faculty members who are outstanding teachers and internationally recognized researchers. Our faculty are highly engaged in cutting-edge research, bringing their expertise into the classroom to ensure that you are at the forefront of this dynamic field. There are over 40 faculty members in the department of Civil, Structural and Environmental Engineering.

High Salaries

A Civil Engineering MS degree with a specialization in Construction Engineering and Management opens doors to exciting and rewarding careers that command high salaries. The median national income for construction engineering and management occupations is consistently over \$100,000.

STEM
DESIGNATED
DEGREE PROGRAM



SEAS250915

Learn more and apply at:

engineering.buffalo.edu/home/academics/grad/admissions.html



University at Buffalo

Department of Civil, Structural
and Environmental Engineering

School of Engineering and Applied Sciences