Department of Civil, Materials, and Environmental Engineering

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Civil engineering is a broadly based discipline that encompasses many specialties. The civil engineering curriculum provides students with a strong background in engineering and applied sciences.

Civil Engineering Program Educational Objectives

Graduates of the Civil Engineering program at the University of Illinois at Chicago will establish careers in engineering, research and development, and/or management professions and be involved in professional societies. Graduates of the program are expected within a few years of graduation:

• To apply technical expertise, effective design skills, and sustainability principles to address evolving engineering challenges affecting a diverse society
• To be engaged in continuing education. Motivated graduates will have pursued or have well-formulated plans to pursue graduate education
• To effectively and ethically contribute as a member, manager, or leader of multidisciplinary teams through efficient communication of technical and nontechnical issues

A majority of those in the engineering profession will be licensed Professional Engineers within five years of graduation, and a majority of those practicing structural engineering will become licensed Structural Engineers within ten years.

Civil Engineering Student Outcomes

The Civil Engineering Program at UIC is an ABET-accredited program and it follows and documents the ABET Student Outcomes (1) through (7) verbatim to support its Program Educational Objectives. Continuous assessment and attainment of these student outcomes prepare the graduates of the Civil Engineering program for professional practice. Students graduating from the Civil Engineering program at UIC will have:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety,