

## Bachelor of Science in Civil Engineering†

### Department of Civil Engineering and Engineering Mechanics

#### Program Outcomes

**Program outcomes are taken from the ABET recommendations (outcomes a-k).**

*Our CEP outcomes are:*

- (a) An ability to apply knowledge of mathematics, science and engineering.
- (b) An ability to design and conduct experiments, as well as to analyze and interpret data.
- (c) An ability to design a system, component or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- (d) An ability to function on multidisciplinary teams.
- (e) An ability to identify, formulate, and solve engineering problems.
- (f) An understanding of professional and ethical responsibility.
- (g) An ability to communicate effectively.
- (h) The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.
- (i) A recognition of the need for, and an ability to, engage in life-long learning.
- (j) A knowledge of contemporary issues.
- (k) An ability to use the techniques, skills and modern engineering tools necessary for engineering practice.