

## **Program Outcomes**

By the time students complete the Civil Engineering program, they will have successfully demonstrated the following:

- A. An ability to apply knowledge of mathematics, science and engineering to chemical engineering problems.
- B. An ability to design and conduct experiments, and analyze and interpret data.
- C. An ability to design processes, systems or components to meet desired needs and subject to realistic constraints, such as economic, environmental, social, political, ethical, health, 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 the professional and ethical responsibilities of engineers.
- G. An ability to communicate effectively.
- H. An understanding of the global, economic, environmental and societal impacts of engineering activities.
- I. A recognition of the need for lifelong learning and awareness of how this can be achieved in their subsequent career.
- J. A knowledge of contemporary issues.
- K. An ability to use modern techniques, skills and engineering tools to address problems encountered in engineering practice.