

Program Outcomes

Graduates of our program shall have:

- (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**
- (d) an ability to function on multi-disciplinary teams**
- (e) an ability to identify, formulate, and solve engineering problems**
- (f) an understanding of professional and ethical responsibilities**
- (g) an ability to communicate effectively**
- (h) the broad education necessary to understand the impact of engineering solutions in a global 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.**
- (l) a proficiency in a minimum of four (4) recognized major civil engineering areas**
- (m) an ability to perform civil engineering design by means of design experiences integrated throughout the professional component of the curriculum;**
- (n) an understanding of professional practice issues such as: procurement of work; bidding versus quality based selection processes; how the design professionals and the construction professions interact to construct a project; the importance of professional licensure and continuing education; and/or other professional practice issues.**