

## **Engineering Design Division (EDD) Program Educational Objectives (PEO)**

1<sup>st</sup>-year engineering students will demonstrate

1. solid skills in the fundamentals of engineering, math, and science that will enable them to be successful in their engineering careers;
2. solid skills in oral and written communication, teamwork, and research that will enable them to be successful in their engineering careers
3. demonstrate broad knowledge of the engineering disciplines and their relations to the liberal arts that will enable them to be successful in their engineering careers.

## **Engineering Design Division (EDD) Student Outcomes (SO)**

(a)	an ability to apply knowledge of mathematics, science, and engineering
(d)	an ability to function on multi-disciplinary teams
(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
(k)	an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice