

# **BS Surveying and Mapping Program Student Outcomes**

Student outcomes describe what students are expected to know and are able to do by the time of graduation. These relate to the knowledge, skills, and behaviors that students acquire as they progress through the program. The BS Surveying and Mapping program will demonstrate that graduates have:

- (a) an ability to apply knowledge of mathematics, science, and applied sciences
- (b) an ability to design and conduct experiments, as well as to analyze and interpret data
- (c) an ability to formulate or design a system, process, or program to meet desired needs
- (d) an ability to function on multidisciplinary teams
- (e) an ability to identify and solve applied science 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 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 and standards
- (k) an ability to use the techniques, skills, and modern scientific and technical tools necessary for professional practice
- (l) an ability to pass the NCEES Fundamentals of Surveying (FS) exam

Approved at Advisory Board Meeting April 22, 2015