



## **Biomedical Engineering Program Outcomes**

**To Understand** - to understand the mathematical and physical foundations of biomedical engineering and how these are applied to the design of biomedical instruments, the analysis of biological systems, and the technological advancement for health care. An understanding that engineering knowledge should be applied in an ethically responsible manner for the good of society.

**To Question** - to critically evaluate alternate assumptions, approaches, procedures, tradeoffs, and results related to engineering and biological problems.

**To Design** - to design a variety of electronic and/or computer-based devices and software for applications including biomedical instrumentation, medical imaging, physiological measurement, biomedical signal processing, rehabilitation engineering and medical informatics.

**To Lead** - to lead a small team of student engineers performing a laboratory exercise or design project; to participate in the various roles in a team and understand how they contribute to accomplishing the task at hand.

**To Communicate** - to use written and oral communications to document work and present project results.