LEARNING OUTCOMES: BIOENGINEERING, MENG

Learning Outcomes for the degree of Master of Engineering in Bioengineering (on campus & online)

1. Ability to apply quantitative skills and engineering principles to propose novel and practical solutions to medical/human health problems
2. Prepare students for professional careers
3. Ability to gain basic understanding of business, finances, intellectual property and regulatory matters
4. Understanding of professional and ethical responsibilities
5. Ability to communicate real-world scientific problems with bigger vision and offer solutions, as well as their impact, effectively to a diverse audience and stakeholders, both orally and in writing
6. Demonstrate moderate to high technical mastery in chosen research area, shown by the ability to identify an important scientific problem, formulate a hypothesis, and design experiments to conduct research and data analysis to test the hypothesis. The student should also be able to formulate alternatives.
7. Develop effective leadership skills in order to foster the ability to conduct collaborative research and work with a diverse team