

MS Program Learning Outcomes



Student learning outcomes for all M.S. BME programs:

1. Identify and solve biomedical engineering problems by applying mathematics, science, and engineering knowledge in a biological or medical context.
2. Analyze, model, and design biological or biomedical engineering devices, systems, materials, components, data, or processes by applying techniques, skills, and modern engineering tools necessary for engineering practice.
3. Communicate effectively in both oral and written form.
4. Achieve a broad understanding of the field of biomedical engineering, including how a diverse group of practitioners investigate and solve current, real-world problems.
5. Develop critical career enhancing skills including but not limited to preparation of CV/resume and networking skills.

Additional student learning outcomes for the Research-Option M.S. program:

1. Critically read biomedical and engineering literature.
2. Prepare research reports, proposals and/or manuscripts for applications or publication.