

Student Learning Outcomes

By participating in the biomedical engineering undergraduate curriculum at the School of Biomedical Engineering, Science and Health Systems and graduating with the Bachelor of Science (BS) degree in Biomedical Engineering from Drexel University, students will be able to:

- 1) identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics;
- 2) apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors;
- 3) communicate effectively with a range of audiences;
- 4) recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts;
- 5) function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives;
- 6) develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions;
- 7) acquire and apply new knowledge as needed, using appropriate learning strategies;
- 8) apply knowledge and skills gained from a program of study to the achievement of goals in a work, clinical, or other professional setting.