



THE UNIVERSITY OF ARIZONA

College of Engineering

engineering.arizona.edu

Bachelor of Science in Biomedical Engineering[†]

Department of Biomedical Engineering

Student Outcomes

Upon graduation, graduates of the Biomedical Engineering Department at the University of Arizona will have attained:

| Learning Outcomes | Short Form | Includes |
|---|---|--|
| 1 ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and | Identify, Formulate, and Solve Complex | Engineering, Science and Math |
| 2 ability to 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 | Design and Create Solutions | Considering Safety Health and Socio-Economic Factors |
| 3 ability to communicate effectively with a range of audiences | Communicate | Range of Audiences |
| 4 ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, | Ethics, Responsibility | Context: Global, Economic, Environmental, Societal |
| 5 ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives | Teamwork | Collaborate, Set Goals, Plan, Meet Objectives |
| 6 ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw | Analyze and Interpret | Appropriate Experimentation, |
| 7 ability to acquire and apply new knowledge as needed, using appropriate learning strategies. | Acquire Knowledge | Appropriate Strategies |

[†] Accredited by the Engineering Accreditation Commission of ABET, 415 North Charles Street, Baltimore, MD 21201 | 410.347.7700.