

## **Robotics Engineering BSE Goals**

- 1 An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- 2 An 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 economic factors
- 3 An ability to communicate effectively with a range of audiences
- 4 An 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, environmental, and societal contexts
- 5 An 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
- 6 An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- 7 An ability to acquire and apply new knowledge as needed, using appropriate learning strategies