University of Wisconsin – Green Bay

Mechanical Engineering

Student Learning Outcomes

Student Learning Outcomes for UW-Green Bay's Mechanical Engineering B.S. reflect knowledge and skills that students should learn from the curriculum prior to graduating. They follow the ABET recommended Student Learning Outcomes for B.S. program in Engineering.

Students in the Mechanical Engineering program will successfully demonstrate

1. An ability to identify, formulate, and solve complex engineering problems by applying principals 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 judgements, 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 judgement to draw conclusions
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies