CETYS UNIVERSIDAD
INGENIERÍA

Student Outcomes of the Educational Program of Mechanical Engineering

1. **Problem Solving:** An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

2. **Engineering Design:** 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. **Experimentation and Data Analysis:** An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

4. **Communication:** An ability to communicate effectively with a range of audiences.

5. **Ethics and Professional Responsibility:** 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.

6. **Teamwork**. An ability to function effectively on a team whose members, establish goals, plan tasks, meet objectives and analyze risk and uncertainty.

7. **Acquisition of New Knowledge**. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.