DEPARTMENT OF MECHANICAL ENGINEERING
School of Engineering and Architecture
Saint Louis University

PROGRAM OUTCOMES

By the time of graduation, the students of the program shall have the ability to:

a. Apply a wide range of skills in mathematics, physical sciences, engineering sciences to the practice of Mechanical Engineering;

b. Design and conduct experiments as well as to analyze and interpret data;

c. Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability in accordance with standards;

d. Work effectively as a member and leader in multi-disciplinary and multi-cultural teams;

e. Formulate and solve mechanical engineering problems;

f. Act in accordance to professional, social and ethical responsibility;

g. Apply an in-depth understanding of the impact of engineering solutions in a global, economic, environmental and societal context;

h. Communicate effectively in written and oral forms using both English and Filipino as well as in graphical forms;

i. Practice life-long learning and exhibit the willingness and capability to be current and relevant with the developments in the field of Mechanical Engineering;

j. Apply current trends and developments in the field of Mechanical Engineering;

k. Use appropriate techniques, skills and modern engineering tools for Mechanical engineering practice;

l. Demonstrate a keen awareness of contemporary issues and their impact on the practice of Mechanical engineering profession;

m. Participate in the generation of new knowledge and developmental projects;

n. Preserve and promote “Filipino historical and cultural heritage” by showing a deep and principled understanding of how mechanical engineering is related to a larger historical, social, cultural, and political processes;

o. Practice Christian values in their personal and professional endeavors as Louisians in the service of the CICM mission;