Bachelor of Science in Mechanical Engineering (BSME)

Program Educational Objectives

The Mechanical Engineering program shall produce professionals who:

1. Demonstrate global competitiveness who values integrity, professionalism, striving for excellence and genuine sense for teamwork.
2. Demonstrate nationalism, leadership and concern for stakeholders.
3. Manifest resiliency and a God-fearing mechanical engineer.

Program Outcomes

By the time of graduation, the students of the program shall be able to:

a. Apply knowledge of mathematics and science to solve mechanical engineering problems.
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, in accordance with local and international standards.
d. Function in multi-disciplinary and multi-cultural teams.
e. Identify, formulate and solve mechanical engineering problems.
f. Understand professional and ethical responsibility.
g. Communicate effectively.
h. Understand the impact of mechanical engineering solutions in a global, economic environmental, and societal context.
i. Recognize the need for, and engage in life-long learning.
j. Know contemporary issues
k. Use techniques, skills and modern engineering tools necessary for Mechanical Engineering practice.
l. Demonstrate knowledge and understanding of engineering and management principles that address national and local issues.
m. Integrate creative, effective, and implement Christian-like concepts in managing projects