Bachelor of Science in Electronics Engineering (BSECE)

Program Educational Objectives

The DLSU-D Electronics Engineering Program aims to prepare students who can:

1. Work as professionals in industrial, government and academic settings with an awareness of ethical and societal responsibilities. (Graduates hold positions which requires professional license)

2. Hold positions in design, development, research, applications, and operation in the field of semiconductor, communications, computing, and information technology with high regard to safety, environment and economic issues. (Graduates work in the industry with their chosen specialization)

3. Engage in advanced and continuing learning in their chosen careers making significant contributions to the field of electronics engineering. (Graduates pursue post graduate studies, attend seminars, and join professional organizations)

4. Work effectively in a team environment with an ability to communicate well in written and oral using the English language. (Graduates work in corporate setting, multinational company, and goes abroad with work-related assignment).

Program Outcomes

The graduates of the program shall be able to:

a. Ability to apply knowledge of mathematics, physical, life and information sciences; and engineering sciences appropriate to the field of practice.

b. Ability to design and conduct experiments, as well as to analyze and interpret data.

c. Ability to design a system, component, or process to meet desired needs within identified constraints.

d. Ability to work effectively in multi-disciplinary and multi-cultural teams.

e. Ability to recognize, formulate, and solve engineering problems.

f. Recognition of professional, social, and ethical responsibility.

g. Ability to effectively communicate orally and in writing using the English language.

h. Understanding of the effects of engineering solutions in a comprehensive context.

i. Ability to engage in life-long learning and an understanding of the need to keep current of the developments in the specific field of practice.

j. Knowledge of contemporary issues
k. Ability to use the techniques, skills, and modern engineering tools necessary for 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.