COMPUTER ENGINEERING PROGRAM

The Bachelor of Science in Computer Engineering (BSCpE) is a program that embodies the science and technology of design, development, implementation, maintenance, and integration of software and hardware components in modern computing systems and computer-controlled equipment.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science in Computer Engineering (BSCpE), the graduates will:

1. Excel in their profession/career utilizing the knowledge acquired in the Computer Engineering program;

2. Become effective collaborators and innovators in the field of computer engineering, applying professional/technical skills and competencies to make a positive impact on society; and

3. Be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the BSCpE program shall be able to:

a. apply knowledge of mathematics, sciences, and engineering sciences to the practice of computer engineering.

b. design and conduct experiments as well as analyze and interpret data.

c. design a system, component, or process to meet needs within realistic constraints.

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

e. identify, formulate, and solve computer engineering problems.

f. understand professional and ethical responsibility.

g. communicate effectively.

h. understand the impact of engineering solutions in a global/societal context.

i. engage in life-long learning and to keep current of the development in a specific field of specialization.

j. know contemporary issues.

k. use appropriate techniques, skills, and modern tools necessary for computer engineering practice.

l. know and understand engineering and management principles as a member and leader in a team, to manage projects and in multidisciplinary environments.