Bachelor of Science in Sanitary Engineering (BSSE)

**Program Educational Objectives**

The Sanitary Engineering program shall produce professionals who:

1. Can practice his/her profession in his/her capacity as a registered sanitary engineer.
2. Can promote advocacies and other endeavors supported by his/her acquired sanitary engineering education.
3. Can enhance his/her knowledge and skills via professional advancement in a specialized field of expertise.
4. Can exhibit professional ethics and attitude in engineering practice.
5. Can demonstrate substantial involvement in projects related to key areas in public health engineering, environmental engineering, water and waste water engineering, ecology, pollution and control.

**Program Outcomes**

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

a. Proficiency in Mathematics, Physics, General Chemistry, Social Science, Microbiology and Toxicology and Fluid Mechanics.

b. Introductory Level knowledge of Sanitary Engineering issues associated with air, land and water systems and associated environmental health impacts.

c. An ability to conduct laboratory experiments and critically analyze and interpret data in any one or more than one major Sanitary Engineering focus areas e.g. air, water, land, environmental health.

d. An ability to perform engineering designs by means of design experiences integrated throughout the professional component of the curriculum

e. Proficiency in the advance using principles and practice relevant to the Sanitary Engineering programs objectives

f. Understanding of the concepts of professional practice and the roles and responsibilities of the various stakeholders pertaining to Sanitary Engineering.

g. An ability to function within a multi-disciplinary team.

h. An ability to communicate effectively

i. A knowledge of contemporary issues

j. Recognition of the need for, and an ability to engage in lifelong learning

k. Understanding of the impact of engineering solutions in global, economic, environmental and societal context.