

## **Master of Engineering major in Chemical Engineering (M.Engg.Ch.E.)**

### **Program Educational Objectives**

The graduates of Master of Engineering after graduation shall:

1. Successfully practice as chemical engineering specialists in their respective fields for the welfare of society;
2. Demonstrate a high degree of professionalism in the workplace.

### **Student Outcomes**

The graduate of Master of Engineering should have the ability to:

- a. Demonstrate a comprehensive and in-depth understanding of engineering principles and apply advanced knowledge on the specific discipline;
- b. Analyze, synthesize, create and evaluate engineering systems;
- c. Design components, devices and systems to meet specified engineering needs under real – world constraints;
- d. Communicate effectively technical knowledge, both orally and in writing, on complex multidisciplinary activities
- e. Function effectively as a dynamic individual, a team member, or as a leader in multicultural/cross-cultural work environment;
- f. Contribute to the generation, dissemination and preservation of engineering knowledge, methodologies, techniques, and processes;
- g. Engage in professional development and life-long learning;
- h. Conduct oneself within professional and ethical standards; and
- i. Perform independent industry research that results in innovation and practical application.