

Program Educational Objectives

1. Technical Competence

A. Graduates have solved problems encountered in modern practice using the mathematics skills and knowledge about computer hardware and software learned at the university.

B. Graduates have worked on projects in which they were required to model, analyze, design, and experimentally evaluate components or systems to achieve desired technical specifications subject to the reality of economic constraints.

2. Professional Development

C. Graduates have followed a career path for which they have been trained either through suitable employment or graduate studies.

D. Graduates have adapted or extended their professional skills in order to compete effectively in a world of rapid technological change.

E. Graduates have moved into fields with strong information technology components, such as business, law, cinema, and music, through graduate-level studies and the process of life-long learning.

3. Citizenship in the Global Community

F. Graduates have shown the capabilities and communication skills necessary to function effectively either as individuals, members, or leaders of multidisciplinary teams in a diverse global economy.

G. Graduates have shown an understanding of the importance of high ethical and professional standards as well as the significance of engineering decisions and solutions in a global, environmental, and societal context.