College of Engineering

Bachelor of Science in Software Engineering > About the Program

Bachelor of Science in Software Engineering Apply Now

Overview

The Bachelor of Science in Software Engineering program aims to produce software engineers who can - within a specific time and budget limits - successfully complete a software design and update project, whilst keeping the needs of users in mind. Drawing on principles of mathematics and computer science, students will learn to conduct system design, analysis and testing to international standards, whilst having the ability to carry out maintenance of installed systems. The course syllabus has a focus on functional, ethical and socially responsible system design.

Vision

The Software Engineering program aspires to be a leading program by excelling in education, research and community service. Mission The Software Engineering program’s.

Mission

is to produce quality graduates and innovative research through a diverse community of Instructors and students.

Graduation Requirements

To obtain a degree of “Bachelor of Science in Software Engineering”, a student must successfully complete 124 credit hours, including 12 weeks internship, with a cumulative GPA of 2 out of 4.

Learning Outcomes

The students are expected to know and to be able to do by the time of graduation:

- An ability to apply knowledge of mathematics, science, and software engineering
- An ability to design and conduct experiments, as well as to analyze and interpret data
- An ability to design a system, component, or process to meet desired needs
- An ability to function on multidisciplinary teams
- An ability to identify, formulate, and solve software engineering problems
- An understanding of professional and ethical responsibility
- An ability to communicate effectively
- the broad education necessary to understand the impact of software engineering solutions in a global, economic, environmental, and societal context
- A recognition of the need for, and an ability to engage in life-long learning
- A knowledge of contemporary issues
- An ability to use the techniques, skills, and modern engineering tools necessary for software engineering practice.

Job Opportunities

- Project Manager
- Systems Analyst
- System designer
- Software Testing Engineer
- Software developer engineer