# Bachelor of Science in Computer Engineering  Apply Now

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### Overview

Combining electrical engineering, computer science, mathematics and physics, computer engineering is a constantly evolving field. The Bachelor of Science in Computer Engineering program provides students with a broad spectrum of knowledge encompassing all aspects of computer science, including coding and program design, as well as other related disciplines like telecommunications and networks.

### Vision

The Computer Engineering program aspires to be a leading program by excelling in education, research and community service.

### Mission

The Computer 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 Computer Engineering", a student must successfully complete 140 credit hours, including a 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 computer 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 computer engineering problems
- An understanding of professional and ethical responsibility
- An ability to communicate effectively
- the broad education necessary to understand the impact of computer 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 computer engineering practice.

**Job Opportunities**

- Design Integrated circuit
- Design digital systems and microprocessors.
- Designing and developing software.
- Designing and managing computer networks and monitoring their performance and development.
- Provision of technical advisory services for the establishment, maintenance and development of enterprise computer systems.

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