



Yarmouk University

**Hijawi Faculty for  
Engineering Technology**

Computer Engineering Department

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# Bachelor of Computer Engineering

## Program Overview

### Brief introduction

The Computer Engineering program is designed to equip students with the knowledge and skills needed to excel in the rapidly advancing field of technology. Combining both hardware and software engineering, the program focuses on the design, development, and implementation of computer systems and networks. Students will gain expertise in areas such as programming, networking, artificial intelligence, and embedded systems.



## Academic and practical goals

- Provide students with a strong foundation in computer science and engineering principles.
- Develop skills in system design, software development, and network administration.
- Foster critical thinking and problem-solving abilities.
- Offer hands-on experience with state-of-the-art tools and technologies.
- Prepare students for leadership roles in technology-driven industries.

## Importance of the program and its role in the job market

The Computer Engineering program plays a crucial role in shaping the future of technology by producing skilled engineers capable of tackling the challenges of modern computing. With the continuous growth of the tech industry, the demand for qualified computer engineers is expanding, making this program vital in addressing the need for professionals in fields such as artificial intelligence, cybersecurity, and software development, etc.

## Career Opportunities

### Available job opportunities

- Computer Engineer
- Software Developer
- Network Engineer
- Systems Analyst
- Artificial Intelligence Specialist
- Embedded Systems Engineer
- IT Support Specialist

### Sectors where graduates can work

- Information Technology and Software Development
- Telecommunications
- Healthcare Technology
- Finance and Banking
- Automotive Industry
- Government and Defense
- Educational Institutions

# Learning Environment and Facilities

## Laboratories and facilities

The program offers a dynamic learning environment with modern laboratories dedicated to various areas of study, including computer programming, network design, and embedded systems. Facilities include high-performance computing labs, virtual reality setups and specialized labs for hardware design and testing. Students have access to cutting-edge technology to complement their theoretical knowledge with hands-on experience.

## Overview of the Study Plan

The study plan provides a balanced curriculum with courses covering fundamental subjects such as mathematics, physics, and computer science. Students progress to more specialized courses, including artificial intelligence, data structures, software engineering, and network security. The plan emphasizes practical experience through laboratory work, projects, and internships. It prepares students for both technical and managerial roles in the field of computer engineering.

## Accreditation and Quality

### International recognitions

Accreditation Board for Engineering and Technology (ABET)





## Contact Information

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