

Fundamentals of Computer Science

<< Introduction >>

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❑ The Target Audience

If you're an incoming university student, whether you're pursuing degrees in Computer Science, Information Technology, or Artificial Intelligence, or even if you're in your preparatory year of Engineering.

Additionally, this course is tailored for beginners in the field of programming, welcoming anyone who is new to coding and even those unfamiliar with programming languages. Whether you're taking your first steps in the world of computer science.

Our goal is to provide a comprehensive introduction to the fundamentals of hardware. We are here to guide you through the journey of understanding various topics related to computer hardware, making it accessible to everyone interested in the field of computer science.

❑ Fundamentals of Computer Science Course (CS111)

- This course will introduce you to the field of computing.
- This course consists of two parts.

1. Hardware

Computer Basics, Data Representation, and Data Manipulation.

2. Software

Flowchart and Pseudocode, and basics of programming language.

Course Content

- Computer Basics
- Data Representation
 - Numbering Systems
 - Character Representation
 - Images Representation
 - Sound Representation
- Data Compression
- Data Manipulation

❑ How Access Course Materials ?

Drive

<https://drive.google.com/drive/folders/1fwQbrNdJ40JwBeE119a03oCEq8ifg00Q>

Github

[https://github.com/Abdalla2030/Education_Youtube_Materials/tree/main/Intro%20to%20CS%20\(%20CS111%20\)](https://github.com/Abdalla2030/Education_Youtube_Materials/tree/main/Intro%20to%20CS%20(%20CS111%20))

Thank You !!