



ASK PC-DICT
DIPLOMA IN INFORMATION & COMMUNICATION TECHNOLOGY

BCS-CIT
BRITISH COMPUTER SOCIETY CERTIFICATE IN IT

❖ Course Description

British *Computer Society certificate in IT* is the first level in BCS Degree Pathway to BSc in Computing & Information Systems. Formed in 1957, the British Computer Society (BCS) is the industry body for IT professionals and a Chartered Engineering Institution. The Qualifications and Curriculum Authority (QCA) has accepted the BCS Professional Examinations into the National Qualifications Framework at Level 4, 5 and 6 for more information: www.bcs.org.

BCS states that its Certificate (BCS Level 4 Certificate in IT) is equivalent to the academic level of Year 1 of a UK university honors degree. It consists of a two-hour written paper on each of the three compulsory modules:

- Information Systems
- Software Development
- Computer and Network Technology

❖ Type of Delivery

Instructor-Led Training

❖ Duration

BCS recommends a minimum of 200 hours study per module. Total of 600 hours should be completed for the 3 modules. ASK PC can help you understand the course materials in full-time study from 3 to 6 months. Student should study and understand the materials before registering for the BCS Exam.

❖ **Training Benefits**

The following benefits provided with our training

- Study Materials (Soft Copy on CD-ROMs)
- Student Guides
- Professional Presentations
- Video Demos, Tutorials and Practice
- Exam & Project
- Accredited Diploma in ICT from ASK PC
- BCS Student membership

❖ **Course Objectives and Contents**

Information Systems Module:

- Show an understanding of the flow of information within organizations
- Understand the differing types of information
- Propose practical solutions to given analytical problems
- Demonstrate the effective use of a chosen methodology through requirements analysis and fact finding techniques
- Display an awareness of systems development tools and techniques
- Display knowledge of data analysis and modeling techniques
- Discuss various database management architectures
- Demonstrate an awareness of Human Computer Interaction and the use of multimedia and hypermedia

Software Development:

- Distinguish between systems software and application software
- Understand the phases of software development
- Be able to develop and understand algorithms
- Be able to develop code from algorithms in a visual or 3rd generation high level programming language
- Be able to follow 3rd generation high level code and apply modifications to it
- Develop competence in the techniques of systematic problem analysis, program construction and documentation

- Gain an understanding of the basic concepts of good user-interface design
- Be able to test and document programs
- Gain an understanding of the principles of multiple module program construction
- Understand the need for compilers, interpreters, code generators
- Develop a knowledge and understanding of a range of fundamental algorithms

Computer & Network Technology:

- Use Boolean algebra and other digital design techniques to construct the basic circuits such as adders used to build computers
- Use low-level instructions and addressing modes to construct a simple program
- Read the technical specification of a PC system, interpret the performance indicators, and explain their significance to non-computer personnel
- Appreciate the importance of the memory hierarchy of a computer system and its peripherals
- Describe the operating principles of commonly used peripheral devices, their characteristics and performance
- Understand the role of compilers and similar system resources
- Use the Internet to find information on the performance of computer systems and trends in computer systems
- Understand the way in which digital information is transmitted across networks, the characteristics of data paths and the need for modulation

❖ **Who should attend**

This course is suitable for students and or IT professionals seeking in-depth knowledge of IT as an academic discipline. It is for anyone seeking BCS certificate in IT level and looking for an accredited degree from the UK.

❖ **Prerequisites**

- At least 19 years
- English proficiency
- At least secondary or high school with math

❖ **Required Texts**

BCS certificate in IT depends on international textbooks and references that will be supplied separately.

❖ **Course certification**

BCS Certificate:

BCS Exams are held at the British Council twice a year (in April and in October) for more information, [click here!](#)

Examination fees are not included in the course fees. Student should register at the British Council. Upon successfully passing the BCS exams, you will be awarded the BCS Certificate in IT and will be sent to you directly from BCS.

ASK PC Diploma:

Upon successfully completing ASK PC offsite assessment in addition to the project at end of the course, you will be eligible to get your Diploma in ICT from ASK PC. This course is offering CEUs from IEEE and IACET for more information: www.ieee.org/partners

More about our partners: <http://www.ask-pc.com/partnerstec.html>

Check our security training and courses:



ASK PC
38 Mustafa El Nahas Street, Floor 5,
Nasr City, Cairo, Egypt.
Tel: +20 2 22715443
admin@ask-pc.com