LONDON CAPITAL COMPUTER COLLEGE

Computer Science Occupational Outlook

With the rapid developments in technology, advances in technology, and new computer systems and programs launched daily, computer science qualification offer many attractive career opportunities in technology and information management. Organisations of all sizes are looking for skilled professionals who hold a computer science qualification for a variety of critical projects including networking, technical applications, and developing efficient programs and applications. The advantage of computer science is it touches a number of fields including programming, networking, software engineering and management science.

What is Computer Science?

Computer science is a branch of informational and programming sciences that focuses on different methods of computation, data synthesis, programming, and analysis. It can be applied in a variety of industries such as business, military operations, and engineering and demand for skilled professionals in the field is growing rapidly in today's technologically-driven society. Computer science qualification holders can work in a variety of industries such as military operations or the business sector, but may also pursue specialised fields such as game development, computer aided design, and robotics.

The Advanced Diploma in Computer Science is designed to provide in-depth study and analysis of computer programming languages and applications, along with understanding algorithms, advanced computations, and machine learning. The course also cover critical aspects such as systems architecture, computer engineering, and management science.

What Types of Jobs are Available

The Computer Science course train candidates on the fundamentals of programming, computer systems architecture, and database management needed for success in their career. Computer science career opportunities for Advanced Diploma holders, include:

• Computer Animation Programmers • Computer Aided Designer • Computer Programmer • Database Analyst • Computer Software Developer • Computer Programmer	• Computer Software Engineer • Computer Systems Analyst/Engineer • Programming Manager • User Support Analyst/Supervisor • Manager Computer Services/Networks

Skills Acquired

The computer science offers a variety of technical, mathematical, and analytical approach that challenge candidates to acquire new skills. The computer science program and coursework can help candidates become proficient in:

- Project management, development, and execution
- Developing and applying models and concepts
- C & VB.Net programming languages

- Database management, organisation, and control
- Identifying user requirements and needs
- Understanding how the CPU operates, and how to implement effective changes for computer improvement
- Systems security and implementing processes to enable security of data

Career Potential and Employment Prospects

The field of computer science offer many career opportunities in the areas of artificial intelligence, systems development, management science and computer database management. With the global advancements in technology and increased needs for security in information management, demand for computer scientists, database administrators, analysts, and programmers is on the rise.

After completing the computer science course, many candidates may choose to become self-employed. This allows them the freedom to work on their own schedules and offer their services as an independent contractor. Job opportunities for computer scientists and database administrators are expected to grow much faster than average for the next 10 years. Average annual earnings of computer specialists are £25,480, and pay scales range widely depending on skills, background, experience, and the computer science degree level.