

Programming Fundamentals Diploma



This diploma offers an excellent opportunity to learn basic computer programming and web development with introductory courses in two of today's most widely used programming languages: HTML and CSS.

If you are new to the world of computer programming and are keen to pursue a career in this field, this diploma will help you learn the fundamentals of coding.

If you have an analytical mind and strong problem-solving skills, this could be the right career choice for you.

Smartphones, laptops, PCs, websites, and video games all run digitally scripted programs and, as the digital revolution continues, the reach of computer programming now plays a major role in other frequently used items, such as cars, household appliances, and watches.

With such a widespread growth in the demand for programming, there is a need for knowledgeable, qualified programmers who can not only write software programs but test, develop, and maintain them, as well.

If you're new to computer programming, the prospect of learning how to write a digital script from scratch could be a daunting prospect. This diploma is designed for those completely new to the profession.

There are four core courses that will introduce you to programming concepts and guide you through the languages we'll be focusing on — HTML and CSS. You can then select one elective course to complement the core training and that suits your personal aspirations and goals.

AIMS AND OBJECTIVES

This diploma will help anyone new to coding and programming learn how to write the instructions and processes that computer programs and websites follow using HTML and CSS. The course will also prepare you to take the IT Specialist (ITS) exams in order to gain certifications that will formally demonstrate your newly acquired skills.

PRE-REQUISITES

There are no pre-requisites for this diploma.

CAREER PATH

Undertaking professional programming training could lead to an exciting and rewarding career. If you're new to the profession, you will more than likely start in a junior programmer, junior developer, or entry-level software engineer role.

As you gain experience and with additional study, your options will grow and could ultimately lead to careers such as Web Developer, Software Developer, and Game Developer.

CORE COURSES

Programming Fundamentals

This course is designed as an introduction to programming and programming concepts. You'll learn the most common command line interface and operating system commands for both Windows and Linux-based computers. You'll explore the structure of a simple computer program, examine variables, and the role of functions, and cover the design process behind writing a computer program.

You'll explore program flow, decision making, and looping, as well as how algorithms and flowcharts are used in computer program design.

IT Specialist - Software Development

This course goes through core programming concepts, software development principles, object-oriented programming, web application programming, and database topics.

It will provide you with a solid introduction so that you understand programming concepts and practices better.

IT Specialist - HTML and CSS

The HTML and CSS course is an excellent course for those looking to gain employability skills in the area of web development.

The material covers the objectives for the IT Specialist exam, putting a solid entry-level certification well within reach. Specifically, the course has two distinct parts: HTML (Hypertext Markup Language), which includes HTML fundamentals, document structuring, and multimedia presentation, and CSS (Cascading Style Sheets), which includes styling web pages.

Communication Skills for IT Specialists

The world of IT can be confusing if you don't speak the "language". This course is designed to help you effectively engage in communication relating to information technology with all types of audiences.

In this course, you'll learn how to be a good listener, as well as how to build trust through effective communication, which is essential when working in a technical team environment. You'll also learn how to act with diplomacy and tact to become a successful and professional communicator in the IT field.

ELECTIVE COURSES *(choose one)*

- **IT Specialist - JavaScript**
- **Database Fundamentals**

(Alternative subjects may be chosen if more suitable to your existing skills and career goals.)



CPD Points: 150

(CPD points awarded upon successful completion)

To discuss your current skills and aspirations call now:

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: or visit

www.pitman-training.com.kw



Guideline Learning Time

150 hours flexi study or 7 weeks full-time

(Full-time based on approx 20-30 hours a week)

