

ADVANCED DIPLOMA IN COMPUTER SCIENCE

Computer Science is designed to equip candidates with the knowledge, understanding and skills required for success in current and future employment or for progression to further academic and/or professional qualifications.

Year 1

- Computer Systems Fundamentals
- Developing Software: Introduction
- Software Development: Programming Foundations
- Team Working in Computing
- Troubleshooting Computing Problems
- Mathematics for Computing 1
- Professionalism and Ethics in Computing
- Relational Database Management Systems
- Systems Development: Object Oriented Analysis and Design
- Data Science
- Computing: Graded Unit 1 (Exam)

Year 2

- Software Development: Data Structures
- Software Development: Object Oriented Programming
- Project Management for IT
- Software Development: Developing Small Scale Standalone Applications
- Programming for Data
- Managing a Web Server
- Software Development: Developing Websites for Multiplatform Use
- Machine Learning
- Self Describing Data(XML)
- Computer Science: Graded Unit 2 (Project)

Career Opportunities:

Software Engineer

System Analyst

Software Consultant

Application Programmer

