

HIGHER DIPLOMA IN APPLIED COMPUTING TECHNOLOGY

Overview

NFQ Level 8, Major Award

The Higher Diploma in Applied Computing Technology may be taken full-time over 9 months or part-time for 18 months over two academic years from the date of first registration for the programme.

MSc in Computing Science

Candidates who have obtained at least First Class Honours in the Higher Diploma in Applied Computing Technology, having attained at least 70% in the module CS5222, may apply to enter the MSc in Computing Science. (<https://ucc-ie-public.courseleaf.com/programmes/msecs/>)

Certificate in Applied Computing Technology

Part-time candidates who have passed Year 1 may exit the programme and be awarded a Certificate in Applied Computing Technology. (<https://ucc-ie-public.courseleaf.com/programmes/cact/>)

Programme Requirements

For information about modules, module choice, options and credit weightings, please go to Programme Requirements (p. 1).

Programme Requirements

Full-Time

Code	Title	Credits
Students take 60 credits as follows:		
<i>Core Modules</i>		
CS5002	Web Development 1	5
CS5007	Computer Applications Programming	5
CS5008	Internet Computing	5
CS5009	Multimedia	5
CS5018	Web Development 2	5
CS5019	Computer Hardware Organization	5
CS5020	Systems Organisation	5
CS5021	Introduction to Relational Databases	5
CS5222	Introduction to Programming and Problem Solving	15
CS5523	Multimedia 2	5
Total Credits		60

Part-Time

Code	Title	Credits
Year 1		
Students take 30 credits as follows:		
<i>Core Modules</i>		
CS5002	Web Development 1	5
CS5018	Web Development 2	5
CS5021	Introduction to Relational Databases	5
CS5222	Introduction to Programming and Problem Solving	15
Year 2		
Students take 30 credits as follows:		

<i>Core Modules</i>		
CS5007	Computer Applications Programming	5
CS5008	Internet Computing	5
CS5009	Multimedia	5
CS5019	Computer Hardware Organization	5
CS5020	Systems Organisation	5
CS5523	Multimedia 2	5
Total Credits		60

Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards Book* and for each module in the *Book of Modules*.

Programme Learning Outcomes

Programme Learning Outcomes for Higher Diploma in Applied Computing Technology (NFQ Level 8, Major Award)

On successful completion of this programme, students should be able to:

- Demonstrate an understanding of the principles, organisation and use of modern computer systems;
- Identify the most appropriate technologies for implementing the chosen computational approach to solving a real-world application;
- Use a range of computing technologies to implement appropriate computational approaches to real-world applications;
- Understand the Internet and World Wide Web, and create and maintain modern, reliable and sophisticated web pages;
- Write well-structured reports which address relevant aspects of computer-system development projects.