

APPROVED

Programme Code	HCC	Programme Duration	2		
Programme Level	6			EQF Level	5
				EHEA Level	Short Cycle
Programme Credits	120				
Semester Duration	12 Week(s)				
Language of Instruction	English				
Field of Study	0611 - Computer use				
CAO Code; QQI Programme Code etc	Code				

Programme Outcomes

On successful completion of this programme the learner will be able to :

Description
On completion of the programme learners will be able to: Demonstrate basic concepts in the areas of computing that relate to Web Design and Development, Programming, Computer Architecture, Operating Systems, Data Modelling and Databases, Data Communications and Networking and Software Engineering.
On completion of the programme learners will be able to: Design, analyse and document technical solutions that demonstrate use of processes, methodologies, tools and techniques in the implementation and testing of small-scale software applications.
On completion of the programme learners will be able to: Apply best practice in developing small scale software applications in a range of real-world contexts.
On completion of the programme learners will be able to: Analyse problems individually or in a collaborative group environment in order to develop solutions and provide information to meet business requirements as part of a team.
On completion of the programme learners will be able to: Communicate the results of analysis to both technical and non-technical audiences in a classroom setting.
On completion of the programme learners will be able to: Demonstrate an awareness of new technologies and ethical implications in the development of a software solution.

Semester Schedules

Stage 1 / Semester 1

Core Subject	
Module Code	Title
H6CMPTHNK	Computational Thinking
H6DISMTHS	Discrete Mathematics
H6PSP	Problem Solving and Programming Concepts

H6CI	The Computing Industry
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H6WD	Web Design and Development
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Stage 1 / Semester 2

Core Subject	
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Module Code	Title
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H6CA	Computer Architecture
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H6DM	Digital Multimedia
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H6IDMD	Introduction to Data Modelling and Databases
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H06IP	Introduction to Programming
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H06OPS	Operating Systems
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Stage 2 / Semester 1

Core Subject	
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Module Code	Title
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H6ADA	Advanced Databases
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H6DCN	Data Communications and Networking
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H06OOP	Object Oriented Programming
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H6WAD	Web Application Development
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H6WAD	Web Application Development
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Stage 2 / Semester 2

Core Subject	
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Module Code	Title
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H6DSA	Data Structures and Algorithms
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H06IBE	Innovation and Business Entrepreneurship
H6SWE	Software Engineering
H6SQT	Software Quality and Testing
H6TP	Team Project