



APPROVED

Awards	
Ordinary Bachelor Degree	
Mode of Delivery:	Full Time
No. of Semesters :	6
NFQ Level:	7
Programme Credits:	180
Language of Instruction:	English
Department:	Computing and Networking

Semester Schedules

Stage 1 / 60 ECTS / Semester 1

Mandatory	
Module Code	Module Title
ZAPP C1201	Applications and Interpersonal Communications
ZCOM C1201	Computer Hardware 1
ZMAT C1201	Mathematics 1
ZNTW C1201	Networking 1
ZPRG C1201	Programming 1

Stage 1 / 60 ECTS / Semester 2

Mandatory	
Module Code	Module Title
ZCOM C1202	Computer Hardware 2
ZMAT C1202	Mathematics 2
ZNTW C1202	Networking 2
ZPRG C1202	Programming 2
ZSYS C1201	Operating Systems

Stage 2 / 60 ECTS / Semester 1

Elective Regulation

Learners may apply to EXIT on completion of this stage of the programme with a Higher Certificate in Science in Computing and Risk Management (Level 6 Embedded Exit Award) provided they have achieved the required learning outcomes for the level 6 award and have accumulated 120 credits. IT Carlow academic regulations apply

Mandatory	
Module Code	Module Title
COAP	Scripting for Cybersecurity
PROG	Web Programming and Databases 1
ETHI	Ethics 2
ADMN	Systems Administration
NETW	Networking: Switching and VLAN Concepts

Stage 2 / 60 ECTS / Semester 2

Mandatory	
Module Code	Module Title
COAP	Assembly and C
PROG	Web Programming and Databases 2
SYST	Systems Infrastructure and Security
NETW	Networking: Wireless and Routing Concepts
SAFE	Project Incident Handling and Risk Analysis

Stage 3 / 60 ECTS / Semester 1

Mandatory	
Module Code	Module Title
SYST	Penetration Testing
LAWS	Cybercrime Legislation and Compliance
PRAC	Automating Security Practice
NETW	Networking III
COAP	Cryptography

Stage 3 / 60 ECTS / Semester 2

Elective	
Module Code	Module Title
PROJ	Project (Cybercrime)
RECH	Approved Semester Abroad
WKPL	Work Placement (Cybercrime)