



APPROVED

Awards	
Honours Bachelor Degree	
Mode of Delivery:	Full Time
No. of Semesters :	8
NFQ Level:	8
Programme Credits:	240
Department:	Computing and Networking

Semester Schedules

Stage 1 / 60 ECTS / Semester 1

Mandatory	
Module Code	Module Title
PROG	Programming 1
MATH	Mathematics 1
COMP	Computer Hardware 1
NETW	Networking 1
COMM	Applications and Interpersonal Communications

Stage 1 / 60 ECTS / Semester 2

Mandatory	
Module Code	Module Title
PROG	Programming 2
MATH	Mathematics 2
SYST	Operating Systems
COMP	Computer Hardware 2
NETW	Networking 2

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 in Applications (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 regulation apply

Mandatory	
Module Code	Module Title
PROG	Web Programming and Databases 1
DATA	Introduction to Data Analytics
ADMN	Systems Administration
NETW	Networking: Switching and VLAN Concepts
MGMT	Business Management

Stage 2 / 60 ECTS / Semester 2

Mandatory	
Module Code	Module Title
PROG	Web Programming and Databases 2
FNCE	Financial Maths
SYST	Systems Infrastructure and Security
NETW	Networking: Wireless and Routing Concepts
PROJ	Project 2

Stage 3 / 60 ECTS / Semester 1

Elective Regulation

Learners may apply to EXIT on completion of this stage of the programme with a Bachelor of Science in Information Technology Management (Level 7 Embedded Exit Award) provided they have achieved the required learning outcomes for the level 7 award and have accumulated 180 credits. IT Carlow academic regulation apply

Mandatory	
Module Code	Module Title
SYST	Information Systems
MGMT	Project Management
ADMN	Secure Systems Administration
APPL	Web and Cloud Applications
NETW	Networking III

Stage 3 / 60 ECTS / Semester 2

Mandatory	
Module Code	Module Title
WKPL	Work Placement
PROJ	Project
RECH	Approved Semester Abroad

Stage 4 / 60 ECTS / Semester 1

Mandatory	
Module Code	Module Title
SYST	Advanced Database Systems
SKLS	People Management Skills
TECH	Innovation and Technology Management
NETW	Networking Systems Management
PROJ	Project (Part 1 of 2)

Stage 4 / 60 ECTS / Semester 2

Mandatory	
Module Code	Module Title
TECH	Emerging Technologies for IT Managers
SYST	Information Systems and Digital Strategy
FNCE	Financial Techniques for IT Managers
PROJ	Project (Part 2 of 2)
Group Elective 1	
Module Code	Module Title
VISU	Data Visualisation
DATA	Data Intensive Applications
COMP	Linux Infrastructure Engineering
DSGN	UI/UX Design and Development
FALT	Bias in Computational Systems
COAP	Cloud Data Centers