



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

Students may EXIT at this stage of the programme with a Higher Certificate in Science in Computing Programming (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
PROG	Web Programming and Databases 1
DIGT	Digital Logic
DATA	Data Structures and Algorithms
DEVL	Object Oriented Software Development 1
ANAL	Systems Analysis and Testing

Stage 2 / 60 ECTS / Semester 2

Mandatory	
Module Code	Module Title
COAP	Assembly and C
STRU	Discrete Structures
DEVL	Object Oriented Software Development 2
PROG	Web Programming and Databases 2
PROJ	Project (Software Development)

Stage 3 / 60 ECTS / Semester 1

Mandatory	
Module Code	Module Title
ENGR	Software Engineering
PROG	Advanced Programming
SYST	Operating Systems
DATA	Advanced Data Structures and Algorithms
DEVL	Cloud Development

Stage 3 / 60 ECTS / Semester 2

Group Elective 1	
Module Code	Module Title
RECH	Approved Semester Abroad
WKPL	Work Placement (Software Development)
PROJ	Project (Software Development)