

	MSc Computer Science MSc Data Science & Analytics		MSc Interactive Media	HDip in Applied Computing Technology
NQF Level	NQF Level 9	NQF Level 9	NQF Level 9	NQF Level 8
Prior Background	Requires background in computer science or related discipline	Requires background in computer science, maths or related discipline	CONVERSION COURSE	CONVERSION COURSE
Course Code	CKR40	CKR49	CKR05	CKR08
Approx. intake	30	30	40	40
Entry requirements	2H1 or equivalent	2H1 or equivalent	2H2 or equivalent	Graduate of any degree
Schools involved	Computer Science	50% Computer Science / 50% Statistics	Computer Science	Computer Science
Duration	12 months	12 months	12 months	9 months
Core modules	<ul style="list-style-type: none"> • Case Studies in Computing Entrepreneurship • Database Technology • Information Storage and Retrieval • Project Development Skills • Complex Systems Development • Scalable Computing for Data Analytics • Dissertation in Computing Science 	<ul style="list-style-type: none"> • Databases • Datamining • Deep Learning • Foundations of Statistical Data Analytics • Generalised Linear Modelling Techniques • Programming • Dissertation in computer science or statistics 	<ul style="list-style-type: none"> • Authoring • Web Development for Digital Media • Graphics for Interactive Media • Audio and Sound Engineering • Digital Video Capture and Packaging • 3D Graphics and Modelling • Future and Emerging Interaction Technologies • Internet-based Applications • Digital Video Compression and Delivery • Human-Computer Interaction • Mobile Multimedia • Dissertation in Interactive Media 	<ul style="list-style-type: none"> • Computer Applications Programming • Internet Computing • Introduction to Relational Databases • Introduction to Programming and Problem Solving • Multimedia • Systems Organization • Web Development

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Employment Rate	96% Average in 2018 and 2020	91% Average in 2018 and 2020	77% in 2020	78% Average in 2018 and 2020
Sample Career Opportunities (but not limited to)	Software Development, Software Engineer, New Technology Researcher, Project Manager, Blockchain Developer, IT technical lead, Mobile Developer	Big data Development, Business Analytic; Customer Analysis; Data Analysis and Reporting; Data Engineering; Data Science; Data Science and Modelling; Data Warehouse Management; Fraud and Risk Analysis	Multimedia Designers, Mobile Application Developers, Media Analyst, Virtual Reality, Mixed Reality Designers/Developer and Technical Support	Engineers, Quality Control Analysts, Test Technicians
Sample Companies / Types of Recruiting Graduates	Accenture, Alameda Technology Solutions, Alliance Technology Group, Clearstream, Dell EMC, Demonware, DXC Technologies, Ericsson, Erriga Inc., Facebook, Firefox, Google, IBM, LGC, Logitech, Microsoft, Musgrave Group, SAP, VMware	Banking (AIB, BoI, Central Bank, Citi) Financial Services (Elavon, Pramerica) Food & Agriculture (Kerry, Glanbia) Gaming (Paddy Power, Xanadu, Betbright) Government (CSO, Revenue, HSE) Health (HSE, HIQA, Optum) Insurance (Allianz, Aviva, Aon) Management Consultancy (EY, PWC, FTI Consulting, Deloitte, Accenture, Clarion, KPMG) Pharmaceutical (Abbott, Novartis, Regeneron, Johnson and Johnson, Pfizer) Research (ESRI, Universities, Insight) Retail (Dunnes Stores, Tesco, Super Valu, Amazon, Wayfair) Software (Genesys, SAS, SPSS) Sport (Munster Rugby, GAA, RTE, Sky Sports) Technology (IBM, Intel, EMC, HP, Apple, Microsoft, Nuarca, Google, Dell, Facebook, Intel, Version 1, Virgin One)	Johnson Controls, PFH group, ABB Group, Apple, MMD Distribution, HP, Siemens, Intel, Apple, Digisoft TV, Xanadu Consulting	Dell EMC, Apple, Accenture, McAfee, Apple, VEC and Quest Software