

	MSc Computing 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	CKR008
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 Audio Processing Dissertation in Interactive Media 	<ul style="list-style-type: none"> Web Development Internet Computing Multimedia Systems Organization Introduction to Relational Databases Introduction to Programming and Problem Solving Computing in Society Usability Engineering Web Development Computer Applications Programming

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Employment Rate	93% (2018, 2020,2021, 2022 avg.)	87% (2018, 2020,2021,2022 avg.)	80% (2020,2021, 2022 avg.)	69% Average in 2020, 2021, 2022 33% in further study or training in 2022
Sample Career Opportunities (not limited to)	Software Development, Software Engineer, New Technology Researcher, Project Manager, Blockchain Developer, IT technical lead, Mobile Developer	Big data Development, Business Analytics; 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, UX Designer, IT Support Analyst, Information Developer	Engineers, Quality Control Analysts, Test Technicians, ICT Officer, Software Engineer, Technical Writer, Associate Developer,
Sample Companies / Types of Recruiting Graduates	Accenture, Ekino Global, Alliance Technology Group, Dell EMC, DXC Technologies, Facebook, Firefox, Google, Logitech, Microsoft, VMware, IBM, Ericsson, Clearstream, Demonware, Wildlife Studios, Musgrave Group, LGC Group, SAP, Epam, BT Sourced, Cisco, Devoteam, Edgescan	Banking (AIB, Bol, 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, Green Climate Fund) Retail (Dunnes Stores, Tesco, Super Valu, Amazon, Wayfair) Software (Genesys, SAS, SPSS, Getvisibility) Sport (Munster Rugby, GAA, RTE, Sky Sports) Technology (IBM, Intel, EMC, HP, Apple, Microsoft, Nuarca, Google, Dell, Facebook, Intel, Version 1, Virgin One)	PFH Technology Group, Apple, Hewlett-Packard, Siemens, Intel, ABB Group, GlobeTech, NuArca, University College Cork (Research), Aspiegel, Johnson Controls, Xanadu Consulting, Digisoft TV, Wave Break Media, Teamwork, Search4Less, VMware, Media HQ	Johnson Controls, Dell EMC, McAfee, Apple, VEC and Quest Software, PFH Technology Group, Brightflag, Corporate Health Ireland, Accenture, Expleo Group, Permanent TSB, R3, Core HR, Enterprise System Partners, BrickSave, IRI America, Zyte, Nirto Cell, Ergo, Everseen