

Departments

involved

Duration

Points

Programming

Differentiating

modules

4 years

Work placement Compulsory

2019 (402); 2020 (468);

2021 (495); 2022 (507);

2023 (510): 2024 (500)

No prior experience necessary

Architecture. Data structure &

Security, Systems & Networks...

Middleware, Programming,

Algorithms / Compilers.

Artificial Intelligence, Computer Distributed / Big Data

School of Computer Science and Information Technology

Statistics (50%)

4 years

2019 (509): 2020 (510):

2021 (531) 2022 (465):

2023 (445); 2024 (427)

Data Visualisation...

No prior experience necessary

Algorithms: Machine learning.

Compulsory

UNDERGRADUATE COURSE COMPARISON

Psychology (50%)

3 years / 4 years with placement

No prior experience necessary

Computing, Human-Centred

Applied Cognition, Research Design and Statistical Analysis...

Computing, User Experience (UX),

2019 (402); 2020 (466);

2021 (488); 2022 (478); 2023 (488); 2024 (498)

Optional

Internet Computing; Information Interaction Design, Social

Humanities (45 cr. together) +

Arts Minor Subject (15 credits)

Archaeology; Béaloideas; Celtic Civilisation; Chinese Studies; English; Geography; German; Greek; Italian; Latin; Philosophy; Politics; Religions and Global Diversity, Sociology, Spanish.

3 years / 4 years with placement

No prior experience necessary

Commerce: Student Learning in

the Digital Age; Digital Tools &

or academic year abroad

2019 (307); 2020 (336);

2021 (339); 2022 (347);

2023 (328); 2024 (356)

Systems and Electronic

Methodologies...

Optional

choose one from:

	oláiste na hOllscoile Corcaigh				
	BSc Computer Science	BSc Data Science & Analytics	BA Digital Humanities & Information Technology	BA Psychology & Computing	
	principles of how computers work and study advanced	Would you like to combine statistics with computing for advanced decision making?	Are you interested in the humanities? How about applying computing skills for cultural and societal benefits? (CK118)	Are you interested in the psychology of how people use computing devices and how technology can be made more human-centric? (CK121)	
Approx. intake	80	35	45	30	
reqt.	O6/H7 in English	O6/H7 in English	O6/H7 in English O6/H7 in Irish (unless exempt) O6/H7 in another language	02/H6 in Mathematics O6/H7 in English O6/H7 in Irish (unless exempt) O6/H7 in another language	
Schools/	Computer Science	Computer Science (50%) and	Computer Science + Digital	Computer Science (50%) and	

UNDERGRADUATE COURSE COMPARISON

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	BSc Computer Science	BSc Data Science & Analytics	BA Digital Humanities & Information Technology	BA Psychology & Computing
Programming languages	Python, Java, C, JavaScript and Haskell	Python, R, Java, C, JavaScript	Python, JavaScript and HTML	Python, JavaScript
Careers opportunities (but not limited to)	Mobile/ Multimedia Development; Project Management; Security Analysis; Software Engineering and Development; Systems Administration; Systems Development; Technical Consultancy; IT Analysis	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	Cultural Production; Digital Archivist; Digital Content Curation; Digital Publishers; Digital Resources Specialist; User Experience; User Design; Software Localisation / Languages	The demand greatly exceeds the supply for qualified graduates to: •Evaluate the effectiveness of technologies such as video games; social media, interactive exhibitions; simulated environments e.g. VR •Invent interfaces that interpret and mimic human senses, i.e. touch, speech, gestures e.g. robots, personal assistant such as Alexa, Siri.
Sample Companies / Types of Recruiting Graduates	Apple, Credit Suisse, Dell EMC, IBM, Microsoft, Pilz, VMware, Xerox, Accenture, Capspire, CH Robinson, Ericsson, Fidelity Investments, Google, CitySwift, LibertyIT	Departments / State Agencies,	Museums, Social Media Companies, News media e.g. Google, Apple, Johnson Controls, Indeemo, Dell, Oracle, Pfizer, PWC, EY, self- employment	Companies developing hardware & software to meet end-user needs across a wide range of industries, including Apple, Jaguar/Landrover, Logitech, Google, Instagram, Teamworks, Accenture, Ericsson, Deloitte, Vodafone
Further study in CS and Psychology related areas	1.MSc Computing Science, 2.MSc Data Science & Analytics, MSc (research) / PhD (2H1 in UG degree)	1.MSc Computing Science MSc (research) / PhD (2H1 in UG degree)	MSc Research / PhD (2H1 in UG degree)	1. Higher Diploma in Psychology – CKA01 is a conversion course which makes you eligible to become a graduate member of Psychological Society of Ireland. 2. Higher Diploma in Applied Computer Technology - those who achieve a 1H can apply for the MSc Data Science & Analytics 3. MSc Interactive Media MSc Research / PhD for those who achieve 2H1

BSc Education: teacher qualification (4 years) CK413

- Computer Science and Maths: H3 in Maths required
 Computer Science and Chemistry