



MSc INTERACTIVE MEDIA

Course Code: CKR05 Full-Time
CKR06 Part-Time
NFQ level 9

Duration: One year full-time over 12 Months
Two years part-time over 24 Months

PROGRAMME OVERVIEW

The MSc in Interactive Media is an intensive taught programme focusing on the practical and technical aspects of interactive media. This is a conversion programme and suitable for those who have not studied computer science at undergraduate level.

The overall aim of this programme is to equip students from a wide range of backgrounds with a thorough understanding of the technologies and principles of interactive media. Students are also provided with an opportunity to use professional-grade software and hardware tools. Interactive digital media seeks to entertain, inform and inspire an audience. The creation of interactive digital media is a challenging and complex activity requiring a blend of creative and technical skills using a range of existing and emerging technologies.

On successful completion of the programme students will have a comprehensive knowledge of the underlying concepts, technologies and practices of interactive digital media and be able to apply these to create interactive digital media products.

"80% of UCC's Interactive Media graduates from the last two years are in full employment" Careers Office UCC.



PROGRAMME STRUCTURE

Students must attain 90 credits through a combination of:

- core modules (30 credits)
- elective modules (30 credits)
- dissertation in Interactive Media (30 credits)

Core Modules (Period 1)

- CS6100 Authoring (5 credits)
- CS6101 Web Development for Digital Media (5 credits)
- CS6102 Graphics for Interactive Media (5 credits)
- CS6103 Audio and Sound Engineering (5 credits)
- CS6104 Digital Video Capture and Packaging (5 credits)
- CS6111 3D Graphics and Modelling (5 credits)

Elective Modules (Period 2)

- CS6105 Future and Emerging Interaction Technologies (5 credits)
- CS6112 Image Processing (5 credits)
- CS6113 Internet-based Applications (5 credits)
- CS6114 Digital Video Compression and Delivery (5 credits)
- CS6115 Human Computer Interaction (5 credits)
- CS6116 Mobile Multimedia (5 credits)
- CS6117 Audio Processing (5 credits)
- CS6120 Intelligent Media Systems (5 credits)

Note: Not all modules may be offered in a particular year and are subject to change.

Project Phase (After Period 2)

- CS6200 Dissertation in Interactive Media (30 credits)



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ENTRY REQUIREMENTS

Applicants must have:

- A Second Class Grade II Honours degree in any discipline.
- Applications from other suitably qualified candidates with equivalent technical experience/qualifications may be considered.

English Language Requirements: IELTS 6.5 with no individual section lower than 6.0 or TOEFL equivalent.

Part-Time Taught Postgraduate Programmes: This programme is available as a two year part-time option for EU students (only).

EMPLOYMENT OPPORTUNITIES

The ICT sector in Ireland is a thriving and growing industry with 9 of the top 10 global ICT companies maintaining a presence in Ireland. This sector is one of the country's most prevalent employers with over 75,000 people employed by ICT companies in Ireland.

There are currently 5,400 ICT enterprises in Ireland, 233 of which are foreign owned. The sector is amongst the top three Irish growth industries, with both indigenous and international companies creating large bases in the country. (www.ictireland.ie)

Brendan Tuohy, Chairman of the Steering Group for the Audiovisual Industry Strategic Review, concluded in the recently published Creative Capital report, "It is a blueprint for the creation of 5,000 new, highly skilled jobs in the audiovisual industries." The report lays out a set of recommendations which aim to double the turnover of the Irish audiovisual industry from €500 million to €1 billion, and to double jobs in the sector from 5,000 to 10,000. (<http://bit.ly/odg5fa>)

WHERE ARE OUR GRADUATES?

In a four year span from 2015-2017, 80% of graduates of the MSc in Interactive Media who responded to a survey by the Careers office in UCC stated that they were in employment. The companies include HP, Siemens, Intel, Apple, Digisoft TV, Xanadu Consulting plus others.

The types of positions held included, Programmers, Web Developers, Multimedia Designers, Mobile Application Developers, Media Analyst, Virtual Reality, Mixed Reality Designers/Developer and Technical Support.

UNIVERSITY COLLEGE CORK

University College Cork (UCC) was founded in 1845 and is internationally acclaimed as one of Ireland's leading research institutes. The University occupies a unique place in the history of computing because Boolean algebra, which provides the mathematical basis for computer design, was named after George Boole, UCC's first Professor of Mathematics.

UCC's Department of Computer Science is internationally recognised for its research leadership in several areas of Computer Science e.g. Artificial Intelligence, Distributed

Computing, Foundations of Computing, Multimedia, Networking & Systems and Secure, Reliable and Scalable Computing.

SALARIES

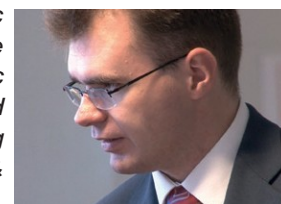
Many employment agencies report on typical salaries for different sectors; an example of those reported for careers in Computer Science are as follows:

- Software Engineer: €35,000 - €60,000
- Snr. Software Engineer/Developer/Programmer: €35,000 - €60,000
- Software Developer: €60,000 - €80,000

(These figures are indicative only; students must satisfy themselves of potential remuneration based on their own research.)

WHY MSc IN INTERACTIVE MEDIA?

"I came to UCC to do the MSc in Multimedia Technology some years ago. At the time, the MSc ran for a period of 15 months and consisted of six modules covering topics ranging from Graphics & Web Programming to Audio/Video Production and Virtual Reality. Overall, I really quite enjoyed the course to the extent that I came back the following year to help out teaching in the labs for five of the six modules. It was during this period, in discussion with some of the multimedia team, that I decided to do a PhD in the area of Mobile Computer Graphics. I graduated from the MSc in September 2005 and spent the next few years working on the PhD until the time of my defence in September 2008. By this time, I had already taken up a lecturing position in Aberdeen, Scotland where I have been ever since."



Dr Daniel Doolan, Senior Lecturer, in the School of Computing and Digital Technologies at Birmingham City University, UK.

For further information

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F: www.facebook.com/UCCCS

Application Information

Postgraduate Admission Office

T: +353 21 490 2876

E: graduatestudies@ucc.ie

W: www.ucc.ie/en/study/postgrad

Apply Online: www.pac.ie/ucc

Fees: Finance Office

W: www.ucc.ie/en/financeoffice/fees