M.Sc. in Interactive Digital Media

Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

This course has been running since 1996 and has over 400 graduates working in the digital media and related sectors both nationally and internationally. It is delivered on a full-time basis over one year and carries a total ECTS weighting of 90.

Platforms for digital media applications are constantly evolving - moving from desktops to mobile devices. The skills required for designing digital media applications have expanded and now include both technical and creative skills. Courses targeted at graduates entering the information technology industry must offer multidisciplinary courses. This MSc course teaches the programming languages and applications used in digital media and also includes modules on interactive design, game design, narrative, and usability design.

This one year M.Sc. in Interactive Digital Media aims to provide a foundation which will allow graduates to build on knowledge gained at undergraduate level in order to allow them to work in the digital media sector. The course will help students combine their existing skills with the technological knowledge needed to design and develop digital media applications.

Aim and Purpose of the Course

Students receive a foundation in the theory and practice of creating and developing applications using all digital media types. While we welcome applicants with technical qualifications, the course is also appropriate for graduates without a computer science background, because of the important skills they can bring to digital media.

The M.Sc. course concentrates on teaching the theory associated with developing and implementing digital media applications rather than teaching how to use off-the-shelf applications. Students are exposed to programming languages and platforms as well as methodologies for the creation, capture and presentation of text, graphics, audio and moving images. The range of backgrounds and skills of the students each year facilitates exchange between different disciplines. Students work collaboratively on course assignments and final projects which are exhibited publicly at the end of each year.

MODULES

▶ **Programming for Digital Media**

▶ **Authoring for Digital Media**

▶ **Contextual Media**

▶ **Audio, Video and Sensor Technologies**

▶ **Image Processing and 3D Modelling**

Each student must also submit a minor dissertation of 12,000 words by mid May. Following this is the final project which is a collaboration between groups of students. Projects from past years can be viewed on the course website at: www.scss.tcd.ie/postgraduate/mscidm

This academic year, the class work will be on a single collaborative project which will be delivered on the web.

School of Computer Science & Statistics (SCSS)

Faculty of Science, Technology, Engineering and Mathematics (STEM)

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Entry Requirements

Applications will be accepted from good honours graduates in any discipline. Literary, artistic and creative ability is taken into consideration along with mathematical and problem-solving ability.

Further Information

Further Information, Application Details, Fees and Closing Date available at:

Web www.tcd.ie/scss/courses/postgraduate/interactive-digital-media
Email postgraduate@scss.tcd.ie

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The College reserves the right to update or change syllabi, fees, timetables or other aspects of the course at any time