

MSc in Computing (HETAC)



Apply directly to GCD
Framework Level HETAC Level 9

Course Duration
Full-Time 1 year
Part-Time 1 year

For further information please contact the Admissions Office at GCD
Phone +353 1 415 0400
Email admissions@gcd.ie

About the Course

Computing Science plays an exciting and ever-increasing role in today's society. Technological innovation has been one of the driving forces behind Ireland's rapid growth and this Masters programme will help you to advance that innovation. The programme extends your education and skills and prepares you for an active role in a dynamic and evolving industry.

The MSc degree has been designed to give students an insight into the world of academic and industrial computing research. By focusing on today's hot topics, students will have the opportunity to gain a deeper understanding of how things work. In so doing you will develop the skills necessary to carry out innovative work within the discipline of computing. Students who complete this Masters degree will gain the ability to research and master technical issues, to analyse and present findings coherently, and to document their work in a professional manner.

Progression

Students who obtain a second class honours or higher are eligible to be considered for entry onto a doctoral degree.

Careers

The course is designed with major input from the computing industry. As a result it is up-to-date and highly relevant, making graduates very attractive to employers. You will find opportunities as technical applications developers and consultants, systems analysts, database administrators, network managers and other leading computing science roles, in academia. Industry research and development roles in the creation of new technologies will also present themselves.

Course Content

Students undertaking the MSc programme will be required to complete any three of the following modules (modules are offered subject to demand):

- Concurrency
- Computer Graphics
- Advanced Databases
- Telecommunications Networks and Services
- The Theory of Programming Languages
- Network Security
- Distributed Systems
- AI and Robotics

In addition students must undertake an individual project - developing an application in an emerging area of technology to strict academic standards.

