

Higher Diploma in Computing (HETAC)



Apply directly to GCD
Framework Level HETAC Level 8

Course Duration
Full-Time 1 year
Part-Time 1.5 years

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

About the Course

The course is designed to meet the on-going industry demand for computer professionals. With three themes, focusing on current and future growth areas in computing, this higher diploma programme bridges the gap between non-computing disciplines and computing science. Its specific aim is to provide rigorous and stimulating classes for students who wish to acquire theoretical and practical training in computing and, particularly, in software development. This course is ideal for non-computing graduates who want to compete favourably against computing science graduates for the broad range of computer opportunities available.

Progression

On successful completion of this diploma, students who obtain Second Class Honours or higher are eligible to be considered for entry to the MSc in Computing Science programme. The MSc programme comprises three taught modules and a research thesis.

Careers

The primary reason why students choose this course is to change the focus of their careers. The widespread impact that Computing Science has on our daily lives cannot be underestimated; neither can the job prospects on completion of this course. Successful students can expect to enter careers as systems analysts, IT Managers or software developers.

Course Content

Software Development Principles and Practice

- Computer Programming
- Programming and Data Structures
- Windows Programming and Human Computer Interfaces

Methods and Management

- Information Systems Development (RDBMS)
- Software Engineering
- Object Oriented Development
- Software Development Project

Hardware and Software Development Platforms

- Computer Architecture and Operating Systems
- Data Communications and Networks

- Multimedia and Internet Development