

# Diploma in Music Technology and Studio Operations

## Apply directly to GCD

### 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](mailto:admissions@gcd.ie)

International Students should contact the International Office

Email [international@gcd.ie](mailto:international@gcd.ie)

### About the course

The GCD Music Technology and Studio Operations course covers the full spectrum of audio engineering, and will appeal to both creative people (artists and performers) in production and those who are more technically oriented.

The course introduces and explains the balance and recording of music and its engineering aspects. With an excellent range of facilities and equipment, students will receive individual practical training and lectures grounded in theory. Practical assignments during the course will provide hands-on studio time in GCD's music studios and at its workstations. The on-campus library also offers a comprehensive list of reference and training resources. If you wish to pursue a career in music production this course provides a solid foundation that will help you achieve your goals.

### Careers

Despite the highly competitive nature of the industry, recent trends have shown strong potential for recording professionals in music studios, post production houses, radio stations, internet publishing houses, computer games manufacturers, retail sales and hire-services, education, film production and performance.

## Diploma in Music Technology and Studio Operations Course Content

### *Part 1*

#### **Core Principles of Audio Engineering**

- Audio and Electronics
- Sound Control and Studio Techniques
- Use of Computers in Music
- Communications in Sound

Tutorials and seminars on relevant technical issues are also offered. Practical assignments will cover; Planning, Basic Console Operations, Patch Bay Wiring, Microphone Techniques, Analogue and Digital Editing, Multi-track Recording and the Preparation of Master Tapes.

### *Part 2*

#### **Development of the Principles**

- Music Technology
- Production Techniques

- Practical Audio and Electronics
- Computer Music Applications
- Studio Practice

Assignments cover Practical Console Operations, Analogue and Digital Mixing Techniques, the use of Sound Processors and Effects, Multi-Microphone Applications, the Use of Midi in Music Recording and Time Code and Synchronisation of Music to Picture.