

## SOFTWARE DEVELOPMENT

Ireland has an international reputation as a centre of excellence in Information Technology. Intel, Microsoft, Apple, Google, Facebook, LinkedIn, PayPal, eBay and X (Twitter) are just some of the tech giants established here. This full-time course is ideal as a stepping stone for those considering further study in computer science and software engineering or those who simply wish to gain the basic skills and knowledge essential for a thriving career in the ever-evolving field of software development.

### Entry Requirements

- Leaving Certificate standard or QQI Level 4 or mature students (23+)

### Course Content

- Fundamentals of Object-Oriented Programming 5N0541
- Games Analysis and Design 5N1651
- Software Architecture 5N2772
- Web Authoring 5N1910
- Maths for Information Technology 5N18396
- Mobile Technologies 5N0580
- Communications 5N0690
- Work Experience 5N1356 / Personal & Professional Development 5N2985

Please note the above modules are subject to change.

### Career & Employment Opportunities

Students will also have the opportunity to progress to our level 6 Software Development course here at MBC, which can provide advanced entry to second year in Software Development courses in some of the Technological Universities. This course provides the basic platform for finding employment in the IT sector, or as a pathway to further studies. There are a wide range of opportunities in the sector, including:

- Software Engineering
- Technical Support
- Games Design
- Web Development
- Software Testing
- Computer Operations
- App Development
- Cloud Computing

### Popular Progression Pathways

- US713 Software Design with Virtual Reality and Gaming Athlone
- US823 Software Design with Digitalisation Athlone
- US822 Software Design with Artificial Intelligence and Cloud Computing Athlone

