ibat

Diploma in
Software Quality Assurance (QA)

Quality Assurance (QA) is one of the most important areas in the world of information systems development. Against this background, the software testing profession has evolved to ensure that during the system development, continuous work processes will be integrated that maintain stability and enable the evolving technology to function properly.

The work processes include planning according to structured methodologies, working according to work procedures and integrating testing tools and their application to work processes. It is important to implement these processes as part of an overall quality approach, as it ensures the survival and relevance of organisations in today's business environment. For this reason, the software testing profession has become one of the most sought-after professions in organisations.

Ireland is the 2nd largest exporter of computer and IT services in the world, with over 97% of domestic production sold in international markets.

The sector accounts for over €50 billion of exports from Ireland each year.

Course structure

Introduction
- Knowledge of the Computing World
- Introduction to LINUX Operating System
- Communications and Networks
- Introduction to Information Systems

Manual QA

- Introduction to the World of Software Testing
- Introduction to Software Quality Assurance
- ALM and Software Testing
- Types of Testing
- Software Testing Documents — The Stages of the Software Testing Process and Its Products
- Adapting the Testing Methodology to the Development Methodology
- Introduction to Databases, Use of Assembly and Database Planning, SQL Query Writing
- Using the Microsoft MTM Software Testing Tool
- Web Testing
- Cyber and Software Testing
- Mobile Testing

Automation QA Master

- Object Oriented Programming and Java Language (Java Web & REST)
- Introduction to Testing Automation
- JUnit
- CI — Testing Automation with Jenkins

Career opportunities

Those who successfully complete the programme can explore related programmes in our Professional Diploma suite, or seek an industry position.

Entry requirements

This course is intended for those with no computing background who want to integrate as software testers in organisations. However, applicants should have a high level of technical literacy and evidence of willingness to integrate into the world of computing.

enquiry@ibat.ie
+353 1 8075 055
ibat.ie

*More intakes available. Get in touch to find out more.