



## Institute of Business and Technology

### Software Quality Assurance (Online)

#### Study details

**Course type:** Professional Diploma

**Degree:** Diploma in Software Quality Assurance

**Study mode:** Full time

**Duration:** 10 Week Month

#### Cost of study

**Cost :** 5 000 EUR

**Reg. fee :** N/A EUR

**Scholarship :**

**Insurance :** N/A EUR

#### Intake/s

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#### Requirements

#### Entry Requirements

This diploma is suitable for you if you are interested in gaining practical knowledge in the fields of manual and automatic software testing.

#### Accommodation

#### Speciality

Two evenings per week

- Tuesdays and Thursdays

#### Additional information

#### Course Overview

Software Quality Assurance (QA) and the software testing profession has evolved with the rapid growth in the rise of technology. Continuous work processes are integrated into software development processes to 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 organizations in today's business environment. For this reason, the software testing

profession has become one of the most sought-after professions in organisations.

## Course Content

### 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 & Requirements Traceability Matrix
- Cyber and software testing
- Mobile Testing
- Software Testing & Resource Estimation

### Automation QA Master:

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

## Assessment

The programme is assessed through a series of projects through the term.

We also look at sample questions for the International Software Testing Qualifications Board, though Ibat Dublin is not a test centre for ISTQB and passing the ISTQB exam is not a requirement for completing the programme.

## What is a Professional Diploma?

An IBAT Professional Diploma is a focused, short duration practical course that consolidates, upskills and/or reskills learners in a professional area. They are stand-alone qualifications that do not lead to an award on the National Framework of Qualifications (NFQ).