

ISEB Foundation Certificate in Software Testing

E-learning Course



ILX Group's ISEB Foundation Certificate course is a fully interactive multimedia based course designed for Companies and Individuals wishing to achieve Foundation level certification in the ISEB Foundation qualification.

The ISEB Foundation Level qualification is aimed at anyone involved in software testing and includes people in roles such as testers, test analysts, test engineers, test consultants, test managers, user acceptance testers and software developers. This Foundation level qualification is also appropriate for anyone who wants a basic understanding of software testing, such as project managers, quality managers, software development managers, business analysts, IT directors and management consultants. Holders of the Foundation Certificate will be able to go on to a higher level software testing qualification.

Why software testing e-learning?

The course uses interaction, animation and voice to take the student through the syllabus, and prepare for the Foundation exam. Students can stop, review and test themselves on their knowledge at any stage. Acronyms and abbreviations become easier to understand and the delivery via CD-ROM, Online or Intranet delivery offers cost effective on demand training for any level of student at any time.

Benefits

- An exam simulator which results in exceptional pass rates
- Increased retention of learning
- Less time taken to learn
- Increased control and visibility of progress and achievement
- Reduced travel costs
- Accessible from any location

Pre-Requisites

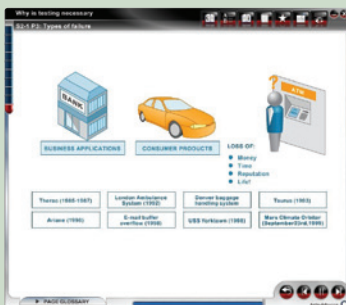
- Delegates should have basic knowledge or experience in IT
- The only pre-reading recommended is the ISEB syllabus for this course or the ISEB Foundation book published by ISEB

Duration

The course lasts approximately 8–10 hours.

ISEB Examination

- The ISEB examination is a 1 hour multiple choice exam provided on the final day of the course
- 40 multiple-choice questions
- Pass mark is 26



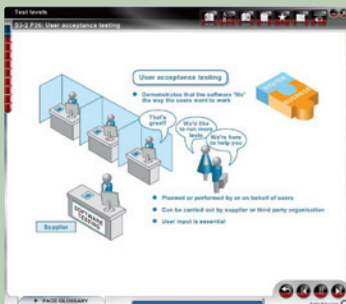
Minimum Requirements
Windows XP or Vista, multimedia based computer with sound.
Flash version 6 or higher.

For further information call ILX on
+44 (0)1270 611600 or visit our website at

www.ilxgroup.com

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Modules

Module 1 – Introduction

Module 2 – Fundamentals of Testing

- 2.1 – Why is testing necessary?
- 2.2 – What is testing?
- 2.3 – General testing principles
- 2.4 – Expected Results
- 2.5 – Exit, Completion, and Closure or Acceptance criteria
- 2.6 – Fundamental test process
- 2.7 – The Psychology of Testing Module

3 – Testing through the lifecycle

- 3.1 – Software development models
- 3.2 – Test levels
- 3.3 – Functional and Structural Testing
- 3.4 – Non-Function System Testing
- 3.5 – Re-Testing and Regression Testing
- 3.6 – Maintenance Testing Module

4 – Static Techniques

- 4.1 – Reviews and the Test Process
- 4.2 – Phases of a Formal Review
- 4.3 – Static analysis using tools Module

5 – Test Design Techniques

- 5.1 – Identifying test conditions and designing test cases
- 5.2 – Categories of test design techniques
- 5.3 – Equivalence Partitioning
- 5.4 – Boundary Value Analysis
- 5.5 – Decision Table Testing
- 5.6 – State Transition Testing
- 5.7 – Use case testing
- 5.8 – Path Testing
- 5.9 – Statement Testing
- 5.10 – Branch/Decision Testing
- 5.11 – Error-Guessing
- 5.12 – Exploratory Testing
- 5.13 – Choosing Test Techniques Module

6 – Test Management

- 6.1 – Test Organisation
- 6.2 – Test Planning
- 6.3 – Test Estimation
- 6.4 – Test Approaches (strategies)
- 6.5 – Test progress monitoring and control
- 6.6 – Configuration Management
- 6.7 – Risk and Testing
- 6.8 – Incident management Module
- 7.0 – Tool Support for Testing
- 7.1 – Types of test tool
- 7.2 – Effective use of tools: potential benefits and risks
- 7.3 – Introducing a tool into an organisation

Module 8 – Exam Simulator