

## ISCG7413: Testing and Quality Assurance Management

<b>Course Number:</b>	ISCG7413	<b>Level:</b>	7	<b>Credits:</b>	15
<b>Main programme:</b>	BCS				
<b>Pre-requisites:</b>	For BCS: ISCG6413 or ISCG6243 For GDCMP: ISCG6413 or ISCG6243				
<b>Co-requisites:</b>	none				
<b>Restrictions:</b>	ISCG7253				
<b>Compulsory/elective:</b>	Elective				
<b>Learning time<sup>1</sup>: 150 hours</b>					

Directed (Supervised) Hours	Self-Directed (Unsupervised) Hours	Total Hours
32.5	117.5	150

**Level Descriptor:** The student is able to carry out processes that

- require a command of highly specialised technical or scholastic and basic research skills across a major discipline
- involve the full range of procedures in a major discipline
- are applied in complex, variable and specialised contexts requiring
  - knowledge of a major discipline with areas of specialisation in depth
  - the analysis, transformation and evaluation of abstract data and concepts
  - the creation of appropriate responses to resolve given or contextual abstract problems and applied
    - in planning, resourcing and managing processes
    - within broad parameters and functions
    - with complete accountability for determining, achieving and evaluating personal and/or group outcomes.

Critically examine

Evaluate

Derive

Design

Predict

Anticipate

Decide

Recognise

**Course aim:** Students will apply testing and quality assurance methods and techniques in the development of ICT solutions.

### Learning outcomes:

	Learning outcomes
1.	Discuss the role of the Quality Assurance Manager
2.	Manage the test process, test execution and defect tracking
3.	Manage requirement definition, validation and refinement
4.	Apply test project management and risk management