

Training Package

ICA99 Information Technology

Qualifications

ICA40699 Certificate IV in Information Technology (Programming)

Competencies

Core

ICAITAD041A Determine client business expectations and needs

ICAITAD051A Develop client user interface

ICAITAD058A Apply skills in object oriented design

ICAITB064A Prepare software development review

ICAITB070A Create code for applications

ICAITB075A Use a library or pre-existing components

ICAITB076A Implement configuration management

Electives

ICAITT078A Perform unit test

ICAITT080A Perform specific unit test for Object Oriented Classes

ICAITTW026B Coordinate and maintain work teams

Description

The Programmer's Workbench Toolbox supports the delivery of the Certificate IV in Information Technology (Programming). The Toolbox is a problem-based environment with ten programming Problems that progress in order of complexity. The programming problems are the key drivers for the learning – they are realistic programming scenarios that outline a problem that needs to be resolved. The programming problems are used to access resources that apply to the tasks learners need to complete, helping them to develop a satisfactory resolution to the problem.

Each programming problem is defined by a series of documents that provide a description of a business problem. The problem is documented by way of a client brief, internal company memos, user and program specification documents and development guidelines.

Each problem addresses one or more of the competencies required for the Certificate IV in Information Technology (Programming).

Programming languages addressed by the Toolbox are Visual Basic, Java and C++.

Note: This Toolbox is a revision (Version 2) of the original. For more details visit:

<http://www.flexiblelearning.net.au/toolbox/series2/210.htm>

Toolbox Website

For further information, online previews, support and purchasing, visit:

<http://www.flexiblelearning.net.au/toolbox>

