

Diploma of

# **SOFTWARE DEVELOPMENT**

COURSE GUIDE



**CANTERBURY**  
**TECHNICAL INSTITUTE**

CRICOS CODE: 02938M RTO NO. 31645

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## Diploma of Software Development ICT50715



The ICT50715 Diploma of Software Development provides students with the skills and knowledge to be competent in programming and software development. A person with this qualification can create new software products to meet a project brief or customise software products to meet customer needs.

This course includes communication skills, project management, software testing, network and system administration, object orientated programming in languages such as Java, php and android object-oriented systems analysis, and web design.

## Course Units

The ICT50715 course includes:

### Unit Cluster 1: Intermediate Programming

ICAICT418	Contribute to copyright, ethics and privacy in an IT environment
ICTPRG502	Manage a project using software management tools
ICTPRG418	Apply intermediate programming skills in another language
ICTPRG527	Apply intermediate object-oriented language skills

### Unit Cluster 2: Advanced Programming

ICTPRG505	Build advanced user interface
ICTPRG501	Apply advanced object-oriented language skills
ICTPRG523	Apply advanced programming skills in another language
ICTPRG507	Implement security for applications

### Unit Cluster 3: Networks and Servers

ICTPRG508	Create mashups
ICTNWK505	Design, build and test a network server
ICTNWK531	Configure an internet gateway
ICTNWK511	Manage network security

### Unit Cluster 4: Testing and Validation

ICTPRG503	Debug and monitor applications
ICTPRG504	Deploy an application to a production environment
ICTPRG520	Validate an application design against specifications
ICTSAS529	Apply testing techniques for software development

## Entry Requirements:

- An overall IELTS band 5.5 or equivalent and above;
- 18 years and above with a High School Certificate (Year 12)
- A verified copy of qualification & transcripts is required along with the application
- Qualification & transcripts needs to be verified by CTI's approved student recruitment agent to confirm their genuine status

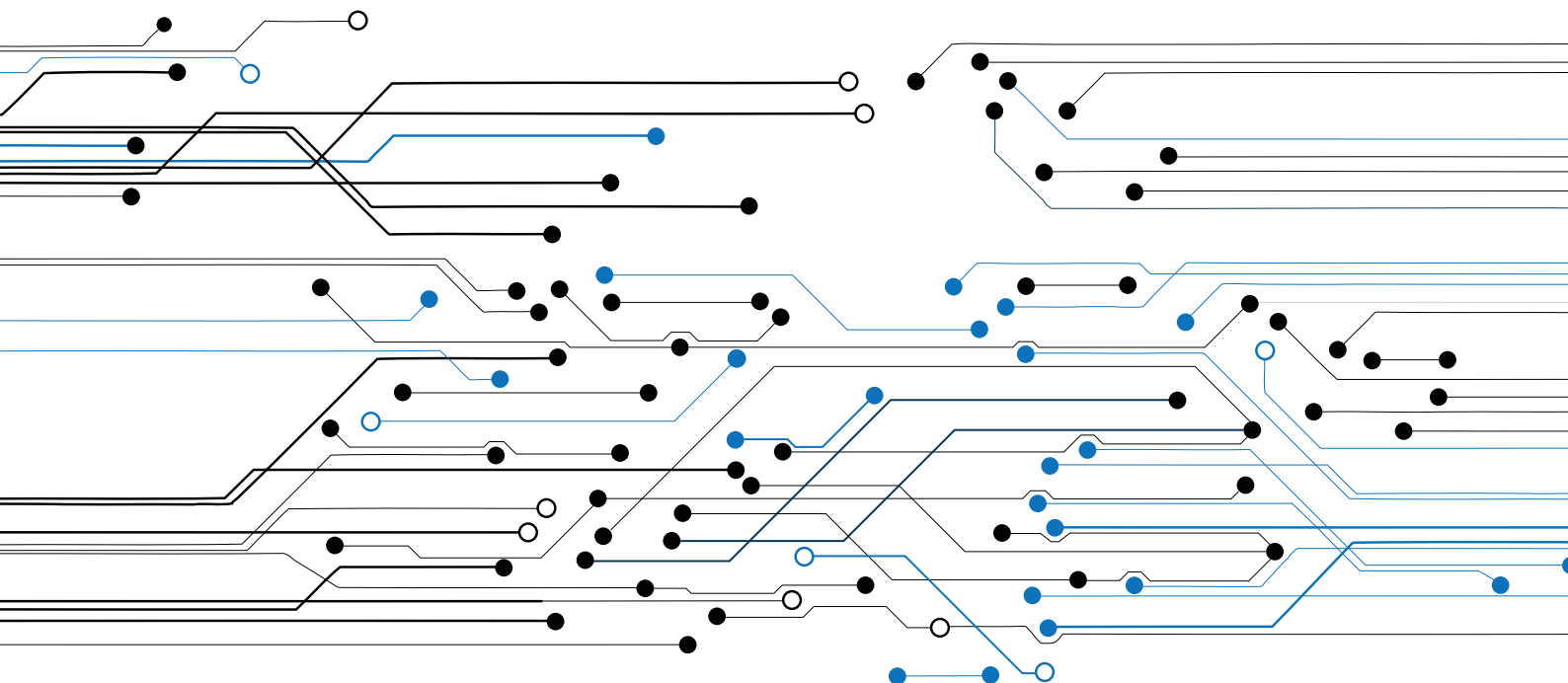
## Course Pathway:

ICT15 Advanced Diploma or Vocational Graduate Certificate qualification or higher education qualifications.

Other study opportunities with CTI include Diploma of Digital and Interactive games (with 1 unit of credit from the above), Diploma of Business, Advanced Diploma of Business, Diploma of Management or you can continue on to University.

## Course Fees

Please contact college staff for fees.



**Why wait?  
Develop your future!**

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