



BECOME A SOFTWARE APP DEVELOPER

ICT50715

DIPLOMA OF SOFTWARE DEVELOPMENT

MOBILE APPLICATIONS ANDROID

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A close-up, slightly blurred photograph of a desk. In the foreground, a silver keyboard is partially visible on the right. To its left, two white pens with black tips lie horizontally. Behind them, a black computer monitor sits on a wooden desk. The monitor's screen shows some text, but it's out of focus. On the far left, a small green plant in a clear glass vase is visible. The overall lighting is soft and natural, suggesting an indoor office or study environment.

## YOU WILL LEARN TO:

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- Develop apps from conception to deployment
- Use industry development tools including Eclipse, Git, Android Studio and more
- Manage ICT projects
- Apply testing techniques
- Understand copyright, ethics and privacy in ICT
- Build secure apps

**Future proof your career - learn  
the language of the future!**

# DIPLOMA OVERVIEW

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This course gives you a start in one of the world's fastest growing IT employment sectors, developing app for Android Mobile Devices.

You will learn to use industry leading tools such as Eclipse IDE, Android Studio and GIT, and the Java programming language. You will also study core topics such as object oriented programming principles, software testing, security and project management.

These key skills are not just applicable to Android Mobile Apps, but to software development in general. The future opportunities are simply enormous. With the rise of app support in technology as part of the Internet of Things (IoT), it is expected these skills will transfer to such things as augmented reality (AR), smart washing machines and cars, sensors and much more!

BENEFITS

OF OUR

MOBILE APP

DEVELOPMENT

COURSE

Develop and sell your own apps

Prepare for Industry Certifications

Optional ONLINE LIVE classrooms

Become part of a massive global industry

Flexible payment options



# ICT50715 DIPLOMA OF SOFTWARE DEVELOPMENT

## MOBILE APPLICATIONS ANDROID

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The ICT50715 Diploma of Software Development is a nationally recognised qualification.

The official course duration is 18 months however you are able to complete as fast or as slow as you like depending on your existing skill level and how much time you are able to commit to your studies. Any extension beyond the official duration will be subject to extension terms, conditions and costs.

On successful completion of the Diploma you will have developed the skills required to work in entry level roles in App Development, Software Development, ICT Project Management, or perhaps you want to start your own Android mobile app development business.

This course has been entirely designed and written by industry and academic experts including Rebecca England, former IT lecturer and course developer at Charles Darwin University; Tyson Adams from Squiz Labs; and Shaneal Sharma of Phone App World and Houseroo fame.

Full details and course prices are available on the Eightfold website.

## SUBJECTS & COURSE STRUCTURE

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Duration: 12 months full time or 18 months part time.

### Stage 1

ICTPRG418	Apply intermediate programming skills in another language
ICTPRG527	Apply intermediate object-oriented language skills
ICTPRG529	Apply testing techniques for software development
ICTPRG502	Manage a project using software management tools

### Stage 2

ICTPMG501	Manage ICT Projects
ICTICT418	Contribute to copyright, ethics and privacy in an ICT environment
ICTICT403	Apply software development methodologies
ICTPRG520	Validate an application design against specifications
ICTPRG523	Apply advanced programming skills in another language

### Stage 3

ICTPRG501	Apply advanced object-oriented language skills
ICTPRG505	Build advanced user interface
ICTPRG507	Implement security for applications
ICTPRG601	Develop advanced mobile multi-touch applications
ICTPRG504	Deploy an application to a production environment
ICTPRG503	Debug and monitor applications
CUADIG502	Design digital applications

## COMPUTER REQUIREMENTS

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The ICT50715 Software Development (Mobile Application Development Android) Course, requires you to have access to a computer that meets the following minimum requirements:

### WINDOWS

Operating System:  
Windows 8 / 10 / Vista

Hardware:  
Min 4GB RAM, (8GB recommended) | 1.4GB of Hard Disk space | Screen with min resolution of 1280 x 800

### MAC

Operating System:  
Mac OS X 10.8.5 or higher, up to 10.9 (Mavericks)

Hardware:  
Min 4GB RAM, (8GB recommended) | 1.4GB of Hard Disk space | Screen with min resolution of 1280 x 800

### LINUX

Operating System:  
GNOME or KDE desktop | GNU C Library (glibc) 2.15 or later

Hardware:  
Min 4GB RAM, (8GB recommended) | 1.4GB of Hard Disk space | Screen with min resolution of 1280 x 800



**ENROL TODAY.**

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