



# Diploma of Software Development

State ID: BEG8

## About this course

**To infinity and beyond - this course could give you the perfect pathway to a successful career in IT.**

If you want to boost your career in software development and programming, Diploma of Software Development is the perfect course to help you achieve your aim. You'll gain the knowledge and skills to develop advanced apps using a variety of programming software and platforms such as Unity, Java, Python and C#.

You will also advance your programming skills for emerging technologies depending on the campus you want to study at:

Northbridge: Cloud / Mobile, Unity, Xamarin, Android/iOS App Development

Joondalup: Cloud / Mobile, Unity, Virtual and Augmented Reality Development

During your course, you will continue to increase your skill level you achieved by completing Certificate IV in Programming with involvement in data modelling, web programming, software testing and debugging systems. You will use current industry standards and emerging technology as you conduct LiveWorks Projects with industry partners

New students who have not studied the course that precedes this qualification should book an appointment using the link below or contact the area to ensure they apply for the correct level of study.

**BOOK INTERVIEW** [Joondalup \(Individual appointments\)](#)

**BOOK INTERVIEW** [Joondalup \(Group appointment\)](#)

## Details

### Semester 1, 2020

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### Joondalup (Kendrew Crescent) - On Campus



Duration: **2 Semester/s**



When: **Semester 1, 2020**



How: **On campus**

## Units

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### Core

National ID	Unit Title
ICTICT418	Contribute to copyright, ethics and privacy in an ICT environment
ICTPRG418	Apply intermediate programming skills in another language
ICTPRG502	Manage a project using software management tools
ICTPRG503	Debug and monitor applications
ICTPRG504	Deploy an application to a production environment
ICTPRG520	Validate an application design against specifications
ICTPRG523	Apply advanced programming skills in another language
ICTPRG527	Apply intermediate object-oriented language skills
ICTPRG529	Apply testing techniques for software development
ICTPRG532	Apply advanced object-oriented language skills

### Elective

National ID	Unit Title
ICTGAM507	Develop intermediate 3-D software for games and interactive media
ICTGAM508	Develop complex 3-D software for games and interactive media
ICTICT514	Identify and manage the implementation of current industry specific technologies
ICTPRG515	Review developed software
ICTPRG601	Develop advanced mobile multi-touch applications
ICTPRG604	Create cloud computing services

## Entrance requirements

School Leaver	Non-School Leaver	AQF
Completion of WACE General or ATAR (Minimum C Grades) or equivalent	Completion of WACE General or ATAR or equivalent (minimum C Grades)	Certificate III

## Job opportunities



### [Assistant Software Developer](#)

Job titles may include:

- Digital Programmer
- Business Programmer
- Software Developer
- Applications Support
- Software Applications Specialist
- Mobile and Desktop Applications Developer
- Games Programmer |

*Please note this list should be used as a guide only as job titles and qualification requirements may vary between organisations.*

## Important information

Other costs for consideration:

- External Hard-drive (approx. \$50)
- USB 2.0 (minimum) with at least 100GB storage

Typical timetable:

- 3 days per week plus Student Lab Time

## Fees and charges

View our [Indicative Fees list](#)

### Local full time students

Course fees are made up of two components, tuition fees and resource fees.

**Tuition fees** are determined by multiplying the course fee rate by the nominal hours, which is the number of hours in which an average student could be expected to complete each unit. They are not the hours of training or instruction.

**Resource fees** are charges for material that are essential to a course or unit, and are purchased by NMT to be used by students during the course.

Fees may vary depending on the units you are enrolled in so an approximate amount has been shown. You will be given the exact amount of your fees at enrolment. Part time student fees will vary depending on the number of units you are enrolled in.

Please note, you may also need to buy textbooks or equipment for your course.

### **International Students**

Check [TAFE International WA](#) to confirm this course is available to international students. You will pay your tuition fees to TIWA.

**Please note, fees are subject to change.**