



ICT50718 Diploma of Software Development

National ID: ICT50718 | State ID: BEG8

About this course

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

Boost your career in software development and programming with the Diploma of Software Development. It 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. 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 contact the area to ensure they apply for the correct level of study.

Gain these skills

- Data modelling
- Develop advanced apps
- Web programming
- Software testing
- Debugging systems

Is this course right for me?

I have the following attributes:

- Able to think logically and analytically in a problem-solving environment
- Good process management skills
- Imaginative and good at creative reasoning
- Willing to keep up with industry trends and technological changes

What industry has to say

I have attended the end of year graduations of students from North Metropolitan TAFE for the Cert IV in Programming, Cert IV in Web Based Technologies, Diploma of Software Development and Diploma of Website Development. As part of the experience, I see their end of year projects demonstrated and have the opportunity to question them on what they have built and the extent of their knowledge. Those students are Industry ready. I have attended for at least the past four years, probably longer, and continue to be impressed with what I see. The courses get stronger each year, and the students graduating have a lot to offer.

Michelle Sandford, Chairman of the Australian Computer Society in WA, and Microsoft STEM Advocate.

Details

During your course of study, NMTAFE may use a variety of learning practices to ensure you get the best outcome for your learning journey.

This may include online learning, face-to-face classroom, laboratory/workshop delivery, work placement or a combination of these, depending on which is most appropriate.

Semester 2, 2020

Perth (Northbridge) - On Campus



Duration: **2 Semester/s**



When: **Semester 2, 2020**



How: **On campus**

Units

Core

National ID	Unit Title
ICTICT418	Contribute to copyright, ethics and privacy in an ICT environment
ICTPRG418	Apply intermediate programming skills in another language

National ID	Unit Title
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
ICTPRG529	Apply testing techniques for software development
ICTPRG532	Apply advanced object-oriented language skills

Elective

National ID	Unit Title
ICTDBS504	Integrate database with a website
ICTICT403	Apply software development methodologies
ICTPRG509	Build using rapid application development
ICTPRG527	Apply intermediate object-oriented language skills
ICTPRG604	Create cloud computing services
ICTSAD505	Develop technical requirements for business solutions
ICTWEB501	Build a dynamic website

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

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.