



ICT40518 Certificate IV in Programming

National ID: ICT40518 | State ID: BEH5

About this course

Join the top priority IT industry and take on a crucial role in IT programming

Study this course and you'll gain skills in **basic and intermediate programming** by using at least **two different programming languages**.

Programming is a crucial part of IT and is constantly innovating and evolving. Completing our Certificate IV in Programming will open the door into this in-demand industry.

The experience you will gain in C#, Java, JavaScript, SQL, and ASP will give you the competitive edge to advance your career and further study options. You'll delve into websites, scripting and database design as well as be exposed to advanced programming skills for mobile applications and games development.

Gain these skills

- Object oriented design
- Graphical user interface development
- Knowledge of software libraries
- Writing technical documentation

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

Semester 1, 2020

Joondalup (Kendrew Crescent) - On Campus



Duration: **2 Semester/s**



When: **Semester 1, 2020**



How: **On campus**

Units

Core

National ID	Unit Title
ICTICT418	Contribute to copyright, ethics and privacy in an ICT environment
ICTPRG402	Apply query language
ICTPRG404	Test applications
ICTPRG405	Automate processes
ICTPRG410	Build a user interface
ICTPRG414	Apply introductory programming skills in another language
ICTPRG415	Apply skills in object-oriented design
ICTPRG419	Analyse software requirements
ICTPRG430	Apply introductory object-oriented language skills

Elective

National ID	Unit Title
ICTDBS504	Integrate database with a website
ICTICT408	Create technical documentation
ICTICT420	Develop client user interface
ICTICT427	Identify, evaluate and apply current industry-specific technologies to meet organisational needs
ICTPRG403	Develop data-driven applications
ICTPRG407	Write script for software applications
ICTPRG409	Develop mobile applications
ICTSAD501	Model data objects
ICTSAD502	Model data processes

Entrance requirements

School Leaver	Non-School Leaver	AQF
C Grades in Year 11 WACE General English, and OLNA; or NAPLAN 9 Band 8	C Grades in Year 11 English and Maths or equivalent	Certificate II or Certificate III

Further study

Enhance your skills in this area with the following study options.

Job opportunities



[Software Tester](#)

Other job titles may include:

- Assistant Programmer (in a team of software developers)
- Support Programmer (to senior programmers or systems analysts)
- Analyst
- Programmer
- IT Admin

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

organisations.

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.