



ICT40518 Certificate IV in Programming

National ID: ICT40518 | State ID: BEH5

About this course

Program your career!

Gain career enhancing knowledge and in-demand skills to design and develop computer programs and apps with the Certificate IV in Programming.

Gain these skills:

- programming in **Java, C#, Python**
- develop **user interfaces**
- object-oriented **programming**
- working with **databases**
- understanding **programming methodologies** and documentation
- **Arduino IDE** which implements C/C++ functions
- **website** basics

Full-time attendance is equivalent to **three** days a week.

This is a WA priority skills course so lower tuition fees apply and employment prospects are higher.

Fast Track: Students who meet the entrance requirements for the Diploma, but who may need to build lower level skills, may complete the Certificate IV foundation skill set. This skill set consists of only the essential units from the Certificate IV, done over one term, which then leads into a three term Diploma. Ask us about this exciting option.

The **Centre for IT Excellence** (CITE) provides state of the art, industry relevant training in information technology, creative media and electronics. We provide pathways from foundation studies to advanced diploma with specialist training in cyber security, systems and programming.

See our IT Training Facebook page!

[@ITtrainingSMTAFE](#)

Overview

Semester 1, 2020

Thornlie - Full Time-Classroom



Duration: **12 Months**



When: **Semester 1, 2020**



How: **Full Time**

Units

Core

| National ID | Unit Title |
|-------------|---|
| ICTICT418 | Contribute to copyright, ethics and privacy in an ICT environment |
| ICTPRG402 | Apply query language |
| ICTPRG403 | Develop data-driven applications |
| ICTPRG404 | Test applications |
| ICTPRG405 | Automate processes |
| ICTPRG410 | Build a user interface |
| ICTPRG414 | Apply introductory programming skills in another language |

| National ID | Unit Title |
|-------------|--|
| ICTPRG415 | Apply skills in object-oriented design |
| ICTPRG419 | Analyse software requirements |
| ICTPRG430 | Apply introductory object-oriented language skills |

Elective

| National ID | Unit Title |
|-------------|---|
| ICTICT403 | Apply software development methodologies |
| ICTICT408 | Create technical documentation |
| ICTICT420 | Develop client user interface |
| ICTPRG407 | Write script for software applications |
| ICTPRG413 | Use a library or pre-existing components |
| ICTPRG418 | Apply intermediate programming skills in another language |
| ICTPRG503 | Debug and monitor applications |
| ICTPRG527 | Apply intermediate object-oriented language skills |

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 |

Study pathway

 [Certificate II in Information, Digital Media and Technology](#)

 [Certificate IV in Programming](#)

 [Diploma of Software Development](#)

 [Certificate III in Information, Digital Media and Technology](#)

 [Certificate IV in Programming](#)

 [Diploma of Software Development](#)

 [Diploma of Website Development](#)

South Metropolitan TAFE has many further study opportunities available.

Plan your study pathway in information technology

[Download the study pathway guide](#)

Job opportunities



[Assistant Programmer](#)

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

SM TAFE actively promotes the employment availability of course graduates to key industry partners and organisations. We also seek expressions of interest from organisations for the placement of our students into work experience. We endeavour to assist students into a career pathway, but please be aware that neither employment nor work experience placement is guaranteed by us.

To access free career planning and job search assistance, visit the [Jobs and Skills Centres](#) page.

Fees and charges

Indicative fees and charges

[2019 general admission fees list](#)

[2019 apprenticeship/traineeship fees list](#)

Fees and charges published on our website are indicative. Your fees will depend on your eligibility for government funding or a concession rate, and the units you choose to study or seek to be recognised under Recognition of Prior Learning (RPL). Our Indicative fees lists show fees that are:

- Based on the full possible study plan of units, including the recommended electives
- Based on full time study in 2019
- Charged at the government funded rate for over 18 years of age students
- Based on unit electives designed to meet localised industry demand for skills
- Made up of course fees and resource fees, or RPL fees. Course fees are the cost of your tuition, while resource fees pay for consumables provided to you to aid your study (such as printing and paper). You may also be required to purchase text books or equipment that are not part of our tuition or resource fees.

Fees may vary between students and between educational providers. Other charges may apply.

Visit our [Fees and payment options](#) page for more information.

Call 1800 001 001 to get a more accurate fee indication based on your eligibility and study plan before applying.

VET Student Loans

Selected courses are VET Student Loan eligible courses.

A VET Student Loan creates a debt that must be repaid to the Commonwealth and is only available to students who are eligible.

To find out if you are eligible or to see the list of eligible courses visit our [Student Loans](#) page.

International students

Selected courses are available to International students for full time study only.

Fees, charges, available locations, applications and enrolment procedures for International students are different to those for students who have Australian permanent residency.

For more information or to find a course visit the [TAFE International WA](#) website.

Apprenticeships and traineeships

Fees for apprenticeships and traineeships are charged at a rate per nominal hour of study.

This means that your fees will vary depending on the units you study as part of your training plan.

Apprentices and trainees are liable to pay for their own fees but some industrial agreements (awards) dictate that employers are required to reimburse their apprentice upon receipt of satisfactory progress. An employer may also opt to pay on behalf of the apprentice or trainee.

For more information visit our [Apprenticeships and traineeships](#) page.

Recognition of Prior Learning

Recognition of Prior Learning (RPL) enrolments are charged at \$3.25 per nominal hour of study.

No concession fees apply to RPL enrolments. Refer to the institutional or apprenticeship/traineeship fee lists for an indicative RPL course fee.

Please note, fees are subject to change.