

ICT50718 Diploma of Software Development

National ID: ICT50718 | State ID: BEG8

About this course

Step into a software development career!

Go beyond programming and take a step towards a lasting career in software development. Gain advanced knowledge and valuable experience in an industry-standard learning environment with the latest technology.

Gain these skills:

- **develop** advanced **apps**
- gain advanced knowledge of **Java, C#** and **PHP/SQL**
- **data modelling** and **agile development**
- **web programming**, and **testing** and **debugging**

This course is not available to study by applicants outside of WA.

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.

Fast Track: Students who meet the entrance requirements for the Diploma, but who may need to build lower level skills can 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.

Students who complete the [Certificate IV in Programming](#) can progress to this course and complete in one semester, full time, due to an overlap in units. Other students may require three terms to complete the Diploma. Full-time attendance is equivalent to two days a week.

See our IT Training Facebook page!

[@ITtrainingSMTAFE](#)

Want to study this course part time in Semester 2?


This course offers part time study options. To have an enrolment officer contact you when part-time enrolments open, visit our [Part time study](#) webform.

Overview

This course will be offered with a blended, flexible delivery model to enable social distancing measures to be undertaken during the COVID-19 pandemic. This approach may include a mix of online and classroom based delivery, as well as practical and work experience placements. Lecturers will provide specific instructions to their student groups on how training will be undertaken.

Semester 2, 2020

Thornlie - Full Time-Classroom

 Duration: **1 Semester**

 When: **Semester 2, 2020**

 How: **Full Time**

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
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
ICTICT403	Apply software development methodologies
ICTICT509	Gather data to identify business requirements
ICTPRG509	Build using rapid application development
ICTPRG515	Review developed software
ICTWEB501	Build a dynamic website
ICTWEB502	Create dynamic web pages

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

Study pathway

 [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](#)

Completion of this course can produce advanced standing towards a university degree.

Job opportunities

 [Assistant Software Developer](#)

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

[2020 general admission fees list](#)

[2020 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 2020
- 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.