

Diploma of Software Development

Duration	Up to 24 months Full Time or Part Time equivalent
National Code	ICT50715
TAFE SA Code	TP00750
Example Career Profile	ICT Software Engineer

Description

This course provides you with advanced skills and knowledge to be highly competent in programming and software development. You will create new software products to meet an initial project brief or customise existing software products to meet customer needs. There is a focus on mobile application development with a Windows Mobile development subject with C#, an Android mobile development subject with Java and an iPhone/iPad development subject with Objective C. Web application development is included in the three key approaches: PHP/MySQL, Java and C#.NET. The diploma final stage includes a cloud computing subject.

Applications

Campus / Delivery	Code	Study Mode	Study Load Full / Part Time	Scheduled
Adelaide City	801312	On & Off Campus	FT & PT	Day & Evening
	Information Session:	Wednesday 7 November 2018 5:30-6:30pm Adelaide Campus - Lecture Theatre B.127		
Barossa Valley	844327	On & Off Campus	FT & PT	Day Only
Berri	846311	On & Off Campus	FT & PT	Day Only
Elizabeth	821321	On & Off Campus	FT & PT	Day & Evening
	Information Session:	Tuesday 13 November 2018 6:00-7:00pm Elizabeth Campus - Building 2, Room 1.09/1.10		
Mount Barker	809353	On & Off Campus	FT & PT	Day & Evening
Mount Gambier	855348	On & Off Campus	FT & PT	Day & Evening
Noarlunga	815343	On & Off Campus	FT & PT	Day Only
Tea Tree Gully	842351	On & Off Campus	FT & PT	Day Only

Course Admission Requirements

- No course admission requirements, however, students wishing to access WorkReady funding or VET Student Loans will be required to demonstrate satisfactory reading, writing and numeracy skills.

If there are more applications for this course than places available, applicants will be ranked by Date of application. If you have a verified disability/medical condition and require additional support to demonstrate satisfactory reading, writing and numeracy skills please contact Student Services prior to applying to discuss your needs. To be eligible for support you must provide medical documentation to verify your disability/medical condition.

Important Information

- Students will be able to complete subjects in common with the Cert IV Information Technology by attending classes at campuses other than Adelaide but will need to study online or attend the Adelaide City campus to complete this qualification.

- Applicants with limited or no underpinning knowledge and skills may commence at a lower level and additional fees to those shown below will apply. For more information refer to the relevant Program information document on tafesa.edu.au/information-technology

View Course Units

Below is a list of all units that TAFE SA can offer in this qualification. The selection of units you will be enrolled into depends on the campus you attend, and the qualification packaging rules described on www.training.gov.au [www.training.gov.au].

Not all units listed below must necessarily be completed to achieve your qualification.

Core

Name	Nominal Hours	Subject Code	National Code
Apply advanced object-oriented language skills	80	TAADG	ICTPRG501
Apply advanced programming skills in another language	80	TAADN	ICTPRG523
Apply intermediate object-oriented language skills	60	TAADP	ICTPRG527
Apply intermediate programming skills in another language	80	TAADE	ICTPRG418
Apply testing techniques for software development	40	TAADR	ICTPRG529
Contribute to copyright, ethics and privacy in an ICT environment	40	TAABL	ICTICT418
Debug and monitor applications	40	TAADK	ICTPRG503
Deploy an application to a production environment	40	TAADL	ICTPRG504
Manage a project using software management tools	60	TAADH	ICTPRG502
Validate an application design against specifications	40	TAADM	ICTPRG520

Elective

Name	Nominal Hours	Subject Code	National Code
Build advanced user interface	60	TAAHY	ICTPRG505
Create cloud computing services	60	TAAKA	ICTPRG604
Design a database	50	TAAHC	ICTDBS502
Design application architecture	40	TAAHZ	ICTPRG506
Develop technical requirements for business solutions	30	TAAKL	ICTSAD505
Plan and direct complex ICT projects	80	TAACT	ICTPMG609

How to Apply

Award Courses

- Applications are made online through SATAC. Applications are free.
- Applicants can make one application for up to three course preferences.

Note: You must be an Australian Resident to apply for this course. For International Students please visit International Courses [www.tafesa.edu.au/international/international-courses].

Employment Outcomes

Career opportunities include analyst programmer support, programming developer, software applications programmer, software developer, database support programmer, web support programmer.

Note: Completion of a TAFE SA course does not guarantee an employment outcome. Formal requirements other than educational qualifications (eg licensing, professional registration), may apply to some occupations.

Qualifications & Skills Covered

Diploma of Software Development (ICT50715)

This course provides skills in copyright, ethics, privacy, programming, object-oriented language, software management tools, debugging, testing and deploying to a production environment. To complete the qualification you are required to complete all 10 core units and 6 elective units.

Note: Students who successfully complete only one or more units of competency but not the full Qualification are eligible to receive a Statement of Attainment.

Fees

This course is funded through the Government of South Australia's WorkReady initiative. To find out if you may be eligible for this funding please visit the TAFE SA website.

There may be incidental fees for additional expenses to those required to complete the course. For example for equipment, transport or accommodation.

To help with the payment of your fees, you may be able to pay your fees by instalments. To find out more please visit: www.tafesa.edu.au/fbi

You may also be eligible for a fee concession if you hold a current:

- Health Care Card
- Pensioner Concession Card
- Veterans Affairs Card

or if you are a prisoner in a South Australian correctional institution.

To find out more please visit: www.tafesa.edu.au/concession

Further Information

[\[www.tafesa.edu.au/docs/default-source/about_tafesa/tafe-sa-course-guide-2019.pdf\]](http://www.tafesa.edu.au/docs/default-source/about_tafesa/tafe-sa-course-guide-2019.pdf)

2019 Course Guide [\[www.tafesa.edu.au/docs/default-source/about_tafesa/tafe-sa-course-guide-2019.pdf\]](http://www.tafesa.edu.au/docs/default-source/about_tafesa/tafe-sa-course-guide-2019.pdf)

[\[www.tafesa.edu.au/docs/default-source/apply_enrol/pre-enrolment.pdf\]](http://www.tafesa.edu.au/docs/default-source/apply_enrol/pre-enrolment.pdf)

Pre-enrolment Brochure [\[www.tafesa.edu.au/docs/default-source/apply_enrol/pre-enrolment.pdf\]](http://www.tafesa.edu.au/docs/default-source/apply_enrol/pre-enrolment.pdf)

- Important Dates [\[www.tafesa.edu.au/term-dates\]](http://www.tafesa.edu.au/term-dates)
- Student Policies & Responsibilities [\[www.tafesa.edu.au/student-policies\]](http://www.tafesa.edu.au/student-policies)
- Student Code of Behaviour [\[www.tafesa.edu.au/code\]](http://www.tafesa.edu.au/code)
- University Pathways [\[www.tafesa.edu.au/apply-enrol/how-to-apply/uni-pathway-programs\]](http://www.tafesa.edu.au/apply-enrol/how-to-apply/uni-pathway-programs)
- Study Modes [\[www.tafesa.edu.au/studymodes\]](http://www.tafesa.edu.au/studymodes)
- Recognition of Prior Learning (RPL) [\[www.tafesa.edu.au/rpl\]](http://www.tafesa.edu.au/rpl)
- Concessions [\[www.tafesa.edu.au/concession\]](http://www.tafesa.edu.au/concession)
- Fees by instalments [\[www.tafesa.edu.au/fbi\]](http://www.tafesa.edu.au/fbi)
- Refund Policy [\[www.tafesa.edu.au/refund\]](http://www.tafesa.edu.au/refund)
- Student ID Card [\[www.tafesa.edu.au/idcard\]](http://www.tafesa.edu.au/idcard)

Credit Transfer

Studying at TAFE SA is one of the easiest pathways towards a University Degree. Credit Transfer is the formal recognition that parts of a TAFE SA course are equivalent in content and level to parts of some University courses. Below are the Credit Transfer details for this course. View all TAFE SA Credit Transfer Agreements [\[www.tafesa.edu.au/apply-enrol/how-to-apply/uni-pathway-programs\]](http://www.tafesa.edu.au/apply-enrol/how-to-apply/uni-pathway-programs)

University	University Course	Total Units in Uni Course	Credits Granted	Guaranteed Admission	Details
Flinders University	Bachelor of Business	108	36	Yes	www.tafesa.edu.au/xml/credit/ct_FLINUNITP00750.aspx
	Bachelor of Information Technology	108	36	Yes	www.tafesa.edu.au/xml/credit/ct_FLINUNITP00750.aspx
	Bachelor of Arts	108	36	Yes	www.tafesa.edu.au/xml/credit/ct_FLINUNITP00750.aspx
University of Adelaide	Bachelor of Psychological Science	72	12		www.tafesa.edu.au/xml/credit/ct_UNIADELTP00750.aspx

University of South Australia	Bachelor of Information Technology (Mobile Application Development)	108	40.5	www.tafesa.edu.au/xml/credit/ct_UNISATP00750.aspx
	Bachelor of Information Technology	108	40.5	www.tafesa.edu.au/xml/credit/ct_UNISATP00750.aspx
	Bachelor of Information Technology (Games & Entertainment Design)	108	40.5	www.tafesa.edu.au/xml/credit/ct_UNISATP00750.aspx
	Bachelor of Information Technology (Networking and Cybersecurity)	108	36	www.tafesa.edu.au/xml/credit/ct_UNISATP00750.aspx
	Bachelor of Information Technology (Software Development)	108	40.5	www.tafesa.edu.au/xml/credit/ct_UNISATP00750.aspx
	Bachelor of Software Engineering (Honours)	144	40.5	www.tafesa.edu.au/xml/credit/ct_UNISATP00750.aspx