



ICT40120 Certificate IV in Information Technology

DESCRIPTION

This qualification reflects the role of individuals who are job ready and competent in a wide range of information and communications technology (ICT) roles and apply a broad range of skills in varied work contexts, using problem solving skills and effective communication with others.

The skills required for these roles may include, but are not restricted to:

- database development: interpreting specifications, technical designs and flow charts, modifying software applications, constructing technical specifications from models and testing, and writing technical documents
- database maintenance: managing, cleaning, storing and verifying organisational data, and evaluating compliance with internal and external data ethics regulations and legislation
- networking: installing, configuring and testing networks and servers in organisations
- programming: building, testing and applying basic object-oriented language skills, user interfaces and software developments
- systems administration support: implementing maintenance procedures and support to help troubleshoot system applications
- web development: designing website layouts through textual and visual content transfer, search engine optimisation and simple markup language documents.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

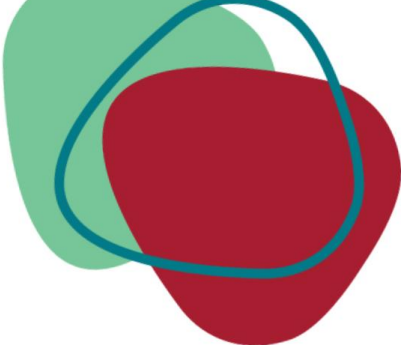
This course can be undertaken as a traineeship. Visit TAFE Apprenticeships and Traineeships for more information.

ELIGIBILITY/ENTRY REQUIREMENTS

Preferred pathways for candidates considering this qualification may include:

- Completion of ICT30120 Certificate III in Information Technology, or other relevant qualifications; or
- Demonstrated vocational experience in a range of IT work environments in a network support role, including administrator, manager, operations analyst, operations engineer/technician, or technician.

To ensure you have the skills and support needed to study this course, all applicants are required to complete a Language, Literacy, Numeracy and Digital Literacy (LLND) evaluation.



DELIVERY DETAILS

Location(s)	Alice Springs, Casuarina, Katherine, online
Duration*	12 months full time 24 months part time
Study mode ^^	Face to face and online with some on-campus technical workshops at either Casuarina, Alice Springs or Katherine campuses.
Start Date/s ^	Delivery for 2027 commence on: 28/1/2027 Students can enrol at any time after the identified start date and will commence at the start of the next available unit. A specific commencement date will be determined in consultation with the delivery team.
Attendance	Mandatory Online or Face to face during technical workshops. The timing of delivery vary for each unit.

* Duration may vary depending on how long a student takes to reach the required competency level.

^ Course timetable will be provided on application for the course.

^^ Information relating to study modes can be found in the 2027 TAFE Student Guide

FEES

Fee Type	2027 Course Fees
NT Government Supported*	Free
Full Fee	\$14,166.80

*This course is supported by the NT Government for domestic [eligible](#) students who are NT residents. A limited number of NT Government supported places are available, so secure your place now.

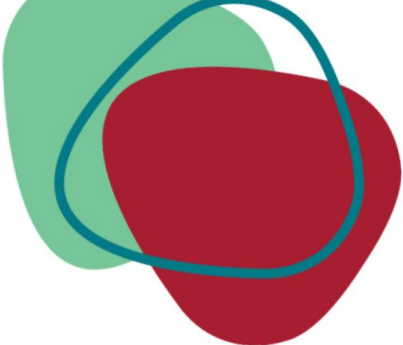
Fees shown are indicative and subject to change annually. Actual course fees may vary depending on the units chosen. For International non-student visa-holders; study eligibility needs to be verified before enrolment. Fees may vary depending on the visa type. The course fee rates will vary for commercial contract arrangements.

For further clarification and information on fees, fee exemptions, payment options, instalment plans, and refunds, contact CDU on 1800 061 963 or refer to [TAFE Fees and Payments](#)

ASSESSMENT

Skills and knowledge assessments are an essential step in progressing through your course. You may be assessed in a number of ways including written assessment, questioning, portfolios, work samples, direct observation, practical assessments and third-party feedback.

Throughout your course you will receive information about assessments including how, when and where assessments will be conducted.



RECOGNITION OF PRIOR LEARNING (RPL)

RPL is a process that determines whether the skills, knowledge and experience you've gained through your previous study, work or life experience can count towards a vocational training qualification at CDU. For more information, [VET RPL](#).

CREDIT TRANSFER (CT)

Charles Darwin University as a Registered Training Organisation recognises the Australian Qualifications Framework qualifications and Statement of Attainments issued by any other Australian Registered Training Organisation (RTO).

Students are encouraged to submit any requests for credit from previous studies at the time of enrolment, to ensure they are not enrolling in units they may not need to undertake.

RESOURCES

Students will have 24/7 access to assessments and learning resources on Learnline, CDU's online learning platform. Before you can start using Learnline, you'll need to make sure that your computer has the correct setup. For more details: <https://www.cdu.edu.au/current-students/services/learnline>
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Students are provided with access to Brambling server upon the course commencement.

Hardware

When at a CDU campus all hardware required is on-site.

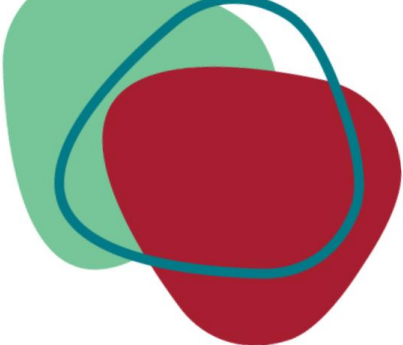
When you are studying away from campus then the following hardware is recommended.

- Desktop or laptop
 - Minimum specifications for the device
 - Operating System – One you are comfortable with. Commonly Windows 10 or 11 64-bit
 - Processor – 2GHz or faster (higher the better)
 - Memory/RAM – 8GB
 - Graphics Processor (GPU) – 4GB
 - Hard Disk/Storage – 256GB
- 2 monitors (desktop with 2 monitors or laptop with one (or two) externally connected monitor/s)
- Internet access
- Headphones (with microphone)
- Microphone to interact with the classroom
- USB Drive (minimum 4GB)

Software

All software is provided when on campus via CDU devices.

When away from campus it is advised you have access to the following software.



- Packet Tracer (via netacad account login)
- Microsoft Visual Studio Code
- The latest version of Python

STUDY AND CAREER PATHWAYS

Further training pathways from this qualification include but are not limited to ICT50220 Diploma of Information Technology or Bachelor of Information Technology. On completion of this qualification credit(s) may be available into Higher Education courses.

Possible occupations relevant to this qualification include:

- ICT Support technician
- ICT Helpdesk support
- Desktop deployment technician
- Network operation support
- Network technician
- Programmer
- Web application developer

QUALIFICATION CONTENT

To achieve ICT40120 Certificate IV in Information Technology a total of twenty (20) units of competency must be completed comprising seven (7) Core and thirteen (13) Elective units as detailed in the packaging rules and listed below. The electives offered may vary between campuses.

CORE UNITS

BSBCRT404	Apply advanced critical thinking to work processes
BSBXCS404	Contribute to cyber security risk management
ICTICT426	Identify and evaluate emerging technologies and practices
ICTICT443	Work collaboratively in the ICT industry
ICTICT451	Comply with IP, ethics and privacy policies in ICT environments
ICTPRG302	Apply introductory programming techniques
ICTSAS432	Identify and resolve client ICT problems

ELECTIVE UNITS

Group H General electives: IT Support Services	
ICTICT429	Determine and confirm client business requirements
Group H General electives: Networking	
ICTNWK431	Create network documentation
Group H General electives: Programming	
ICTPRG431	Apply query language in relational databases
Group E Programming Specialisation	

ICTPRG440	Apply introductory programming skills in different languages
Group H General electives: Systems and Software Design	
ICTTEN417	Install, configure and test a router

ELECTIVE UNITS (Cont.)

Group D Networking Specialisation	
ICTTEN434	Install, configure and test internet protocol networks
Group H General electives: Web design and development	
ICTWEB430	Produce server-side script for dynamic web pages
ICTWEB441	Produce basic client-side script
ICTWEB451	Apply structured query language in relational databases
Group G Web Development Specialisation	
ICTWEB431	Create and style simple markup language documents
Unnamed Electives	
ICTNWK311	Install and test network protocols
ICTNWK542	Install, operate and troubleshoot medium enterprise routers
ICTNWK543	Install, operate and troubleshoot medium enterprise switches

WITHDRAWING FROM A QUALIFICATION

You may withdraw from this qualification and receive, where relevant, a Statement of Attainment for all units of competency you have successfully completed.

SUPPORT SERVICES

The University provides support for students in many areas, including Accommodation, Careers and Employability, Counselling, Disability Services, Financial Support Services, Student Advocacy, Indigenous Tutorial Support Services, International Student Support Services, Library Services, and VET Learner Support Services.

More information is available at [Student Support - Life, Health and Wellbeing](#)

CONTACT DETAILS

ICT, Cyber Security and Digital

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 T. 08 8946 7517 (CAS) 08 8959 5461 (ASP)
 W. <https://www.cdu.edu.au/tafe>

For further information regarding student life at CDU, please refer to <https://www.cdu.edu.au/study/student-life>.