



Certificate IV in Information Technology

ICT40120



LEARN ADVANCED INFORMATION
TECHNOLOGY SKILLS AND STAY UP TO
DATE

About This Course

The Certificate IV in Information Technology will provide you with the all-round technical skills you will need for a career in the areas of IT support, networks and troubleshooting. With a wide range of subjects covered, you will be rewarded with a well-rounded IT qualification.

This Certificate IV program takes advantage of the latest advances in virtual technology to safely transfer IT theory to practical application. Our students will have the opportunity to develop new skills or hone their existing IT abilities using a virtual laboratory specifically designed to provide a realistic IT experience. This means our learners can practice and experiment in a safe setting with no risk to operational systems or networks in the workplace.

Subject Choices

Select 7 - 10 electives depending on subjects chosen

- Implement Data and IP Protection Strategies
- ICT Problem Resolution Techniques
- Evaluate Cloud and Emerging Technology
- Programming with Javascript
- Professional Development in ICT (E)
- System Administration and Active Directory (E)
- Networking - Network and Data Integrity (E)
- Networking - Install Hardware (E)
- Networking - Configure Network Security (E)
- Networking - Configure Internet Protocols (E)
- Networking - Virtualisation (E)
- Networking - Install a Server (E)
- Networking - Install a Small Enterprise Network (E)

Key Course Facts

Start Date:

Start immediately

Duration:

Complete within 24 months

Delivery Options:

On-line/Correspondence

Group Training:

Contact the College for Availability

Course Fees: \$5,000 All materials provided at no extra cost

The course fees may vary if you are a trainee or if the state that you reside in has a subsidised training opportunity. Refer to the tables below.

New Entrant Traineeship Fees for this Qualification:

NSW	ACT	NT	QLD	SA	TAS	VIC	WA
\$0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Existing Worker Traineeship Fees for this Qualification:

NSW	ACT	NT	QLD	SA	TAS	VIC	WA
\$5,000	N/A	N/A	N/A	N/A	N/A	N/A	N/A

School Based Traineeship Fees for this Qualification:

NSW	ACT	NT	QLD	SA	TAS	VIC	WA
\$0	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Subsidised Training Options for this Qualification *

NSW	ACT	NT	QLD	SA	TAS	VIC	WA
\$1,980	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* NSW fee listed is for the Smart and Skilled category 'no prior qualification'. A fee increases of 15-17% applies to those who have completed a qualification previously. This training is subsidised by the NSW Government.

** Subject to eligibility and availability at the time of enrolment

Entry Requirements

Spoken English Skills

Some components of this course have practical components where students will be required to demonstrate verbal communication skills as part of their assessments. Average English skills are necessary to complete these components successfully.

Reading and Writing Skills

The course is an online correspondence course, you will need to have average English reading and writing skills, or higher. As a guide - you should have completed Year 12 schooling, or have sound workplace written communication skills.

Work Placement

To achieve best practical application of this course it is required that you be in a work environment where you can practice some of the skills learnt.

Computer, Internet and Technology You Need

- Access to a Desktop Computer or Laptop with Windows 7 (or higher)
- You will need access to a computer and the internet with Internet Explorer 8+, Chrome or Firefox
- Access to the following Microsoft Office 2010 (or later) Applications: Word, Excel, PowerPoint
- Access to a Current Windows Operating System (E.g. Windows 7 or higher)
- Access to Networking equipment (Routers, Switches, NICs, Cat5 Cables)

Other

- Ability to study and conduct assessments in a safe environment
- Access to a desktop computer that can be physically dismantled (eg removal of hard drive and other components) and reassembled
- Possess Administrator rights for installation of software on a local computer and to create, edit and delete User Accounts
- Safety Equipment used in the dismantling of Computer Desktops (Electrostatic Wrist strap) is also required

Subject Descriptions

Core Subjects:

Implement Data and IP Protection Strategies

Data protection and cyber-security are integral factors in today's business success. This core Subject will deliver training in Intellectual Property, ethics privacy and how to safeguard compliance in a world where cyber-security risks are a constant threat to your organisation.

Unit(s):

BSBXCS404 - Contribute to cyber security risk management

ICTICT451 - Comply with IP, ethics and privacy policies in ICT environments

BSBXCS302 - Identify and report online security threats

ICTSAS214 - Protect devices from spam and destructive software

ICT Problem Resolution Techniques

Solving complex ICT problems is part of an IT technicians daily role. This subject addresses the need for critical thinking and team problem solving techniques required to identify and resolve ICT issues. It also covers the skills to provide ICT advice and support to users, including the communication of comprehensive technical information.

Unit(s):

BSBCRT404 - Apply advanced critical thinking to work processes

ICTICT443 - Work collaboratively using ICT technologies

ICTSAS432 - Identify and resolve client ICT problems

ICTSAS442 - Provide first-level remote help desk support

Evaluate Cloud and Emerging Technology

The Cloud offers amazing opportunities, but only if you choose the right services for your organisation. This forward-thinking Subject will help you learn to review and evaluate the range of Cloud options, deployment models, implementation factors and their impact on your organisation. Finally, you will learn to prepare and deliver your findings to the key decision makers within your business.

Unit(s):

ICTICT426 - Identify and evaluate emerging technologies and practices

ICTCLD301 - Evaluate characteristics of cloud computing solutions and services

ICTICT310 - Identify and use industry specific technologies

Programming with Javascript

Learn to create simple applications through introductory programming techniques with Javascript. This Subject covers applying language syntax, control structures to create code, using programming standards, testing and debugging.

Unit(s):

ICTPRG302 - Apply introductory programming techniques

Elective Subjects: Select 7 - 10 electives depending on subjects chosen

Professional Development in ICT

The ICT industry is always surging forward with new technology and new best practices. Ensuring your skills remain current and relevant is a requirement for everyone in this dynamic industry. This Subject will help you plan, conduct and achieve the skills you'll need for a career in IT.

Unit(s):

BSBWOR404 - Develop work priorities

ICTICT431 - Use online tools for learning

System Administration and Active Directory

Effectively maintaining and administering a network environment is a fundamental role in IT. This Subject look at areas such as setting up user accounts and permissions, managing Active Directory, installing and understanding network protocols and using networking tools to troubleshoot and uncover networking issues.

Unit(s):

ICTSAS441 - Support ICT system software

Networking - Network and Data Integrity

Protecting your data and networks from damage is crucial to your IT role. This Subject will take you through the steps required to audit your system's vulnerabilities, determine environmental and cyber-security threats and develop back-ups and safeguards to restore operations.

Unit(s):

ICTNWK423 - Manage network and data integrity

Networking - Install Hardware

There will always be a place for hardware skills in Information Technology. This subject delves into the range of hardware components that make networks function smoothly. To complete this Subject, students must have access to a workplace network for their studies.

Unit(s):

ICTNWK429 - Install hardware to networks

ICTTEN417 - Install, configure and test a router

Networking - Configure Network Security

Having a secure network will reduce the chances of external and internal intrusions and threats. To further protect a workplace network this subject exposes the learner to elements such as role-based user security, network auditing and monitoring, encrypting email, wireless security as well as network/system analysis for security breaches.

Unit(s):

ICTCYS401 - Design and implement network security infrastructure for an organisation

ICTNWK421 - Install, configure and test network security

Networking - Configure Internet Protocols

Configuring Network Protocols are key to your network operating successfully both locally and globally. This Subject delivers the higher skills required to identify and install protocol requirements, apply efficient network topologies and maintain your network's interoperability across the net.

Unit(s):

ICTTEN434 - Install, configure and test internet protocol networks

Networking - Virtualisation

Today's computing world is moving more and more towards IT virtualisation. To bring students closer to virtualisation, this Subject will allow learners to actually install and configure a Server in true Virtual environment and test them using a range of diagnostic tools.

Unit(s):

ICTNWK420 - Install and configure virtual machines

ICTCLD401 - Configure cloud services

Networking - Install a Server

Servers are the backbone of network architecture and allow a range of networked devices to work together. This Subject will teach you how to install and manage a server, as well as to conduct initial configuration and testing, administration, software distribution and updates, profiling and troubleshooting.

Unit(s):

ICTNWK422 - Install and manage servers

Networking - Install a Small Enterprise Network

There are a number of critical elements required in setting up a small enterprise network . Within this Subject you will learn how to setup and configure a small network for your organisation. You'll be exposed to a wide range of tools to setup appropriate network security as well as troubleshoot any network connectivity issues.

Unit(s):

ICTNWK424 - Install and operate small enterprise branch networks

Service Guarantees

Quality Training Provider

ACCM has a history of satisfied students and clients and repeat business. Our testimonials on our website are genuine and the type of feedback we receive daily. We are so confident that you will be pleased with the College service, that we guarantee it.

Speedy Paper-less Enrolment

Enrolment Applications are accepted 24/7 online. Be fully enrolled in your course in 7 minutes! For customised or employment based courses and traineeships contact us and we will send you a customised enrolment page by email.

Start Anytime - Immediate Enrolment

Within 30 minutes of applying to enrol, your personal log-on details are emailed to you. This gives you access to our on-line system Webclass. Login to Webclass and complete the administrative items. Once you have completed these items a College Student Adviser will phone you to discuss your needs, course requirements, suitability and electives. You will then have access to the first study module via WebClass.

Industry Expert Student Adviser

You will be allocated your own industry experienced Student Adviser. While they will personally manage your program; you will also benefit from the College team around them to provide expert assistance in all subject areas.

Prompt Results and Feedback

All assessments are promptly returned (via Webclass) with detailed feedback and encouragement. Our goal is to have them back to you in a week or less. In the meantime you can progress to your next subject.

Personal Contact for the Right Start

Your College Student Adviser will phone you to welcome you to the course and ensure that you understand the best way to make progress in your course. They will also assist you with any questions you may have.

They will be in regular contact with you, especially at the start of your course, to offer motivation, support and guidance.

For employment based enrolments they will also make contact with your work supervisors to address any questions they may have.

Pro-active Learner Support

The support won't stop! Contact from your College Student Adviser will continue every month, based on the level of help you need.

Of course, at any time you can call us to get help. Get immediate assistance over the phone and by email. If immediate assistance is unavailable for any reason, we will make sure a qualified Student Adviser is in contact with you no later than the next business day.

Quality Course Materials

Our step by step course materials have been written by industry experts specifically for the College. They will give you all of the relevant learner information you need to succeed in your course.

The resources simplify industry jargon and concepts, give you industry insight and understanding, and focus on current real world business practices.

Employer Progress Updates

For employment based enrolments all supervisors will have access to an online progress report showing the current status of all learners. We understand that it's essential to keep you up to date so we will prompt you each month to access your report.
