



# NEW ERA INSTITUTE

RTO 41543 • CRICOS 03509B



## ICT60220 **Advanced Diploma of INFORMATION TECHNOLOGY**

CRICOS Course Code: 105147H

VET National Code: ICT60220



The Advanced Diploma of Information Technology (IT) is a nationally recognised qualification that will open doors across a range of exciting growth industries.

At New Era Institute, we offer Advanced Diploma of IT courses with two specialisations:

1. Cyber Security
2. Telecommunications Network Engineering

Both course streams are structured to reflect the requirements and responsibilities across a range of information and communication technology roles. The course will provide you with in-demand technical skills including programming, cyber security, cloud computing and business analysis. Beyond that, it will also provide you with a range of business and people management skills that are vital for managing tech teams and leading complex projects.

### STUDY PATHWAY & CAREER OPPORTUNITIES

After achieving this qualification, you may choose to undertake Bachelor of Information Technology or other Bachelor Degree or other Advanced Diploma qualifications.

The Advanced Diploma will prepare you to carry out complex IT tasks within your specialist field and use your expertise to drive projects and direct business strategy.

The Advanced Diploma of Information Technology will help you to develop a range of technical skills highly prized by employers across a range of industries. These include:

- Advanced data management including data storage system design and management
- Cyber security including designing and implementing security infrastructure and cyber security compliance
- Web development and programming
- Systems development and analysis
- Telecommunications and network engineering
- Managing teams and interacting with clients
- Critical thinking for complex problem solving
- Managing IP, ethics and privacy
- Business analysis in an ICT environment

Our courses are delivered by experienced industry professionals with extensive real-world expertise.

### COURSE STRUCTURE

ICT60220 Advanced Diploma of Information Technology is a nationally recognised qualification.

At the time of enrolment, students may get to choose one of these two specialisations:

- 1 - Cyber Security
- 2 - Telecommunications Network Engineering

The packaging rules consist of 16 units ( 6 core units and 10 elective units)

#### Core Units

BSBCRT611	Apply critical thinking for complex problem solving
BSBTWK502	Manage team effectiveness
BSBXCS402	Promote workplace cyber security awareness and best practices
ICTICT608	Interact with clients on a business level
ICTICT618	Manage IP, ethics and privacy in ICT environments
ICTSAD609	Plan and monitor business analysis activities in an ICT environment

#### Elective Units

4 units - Cyber Security Specialisation

ICTCYS604	Implement best practices for identity management
ICTCYS606	Evaluate an organisation's compliance with relevant cyber security standards and law
ICTCYS608	Perform cyber security risk assessments
ICTCYS612	Design and implement virtualised cyber security infrastructure for organisations

#### Other General electives:

ICTICT523	Gather data to identify business requirements
ICTSAD508	Develop technical requirements for business solutions
ICTNWK546	Manage network security
ICTPRG535	Build advanced user interfaces
ICTPRG537	Implement security for applications
ICTNWK540	Design, build and test network servers

### 5 units - Telecommunications network engineering specialisation

ICTNPL413	Evaluate networking regulations and legislation for the telecommunications industry
ICTNWK612	Plan and manage troubleshooting advanced integrated IP networks
ICTPMG613	Manage ICT project planning
ICTTEN615	Manage network traffic
ICTTEN622	Produce ICT network architecture designs

### Other General electives:

ICTICT523	Gather data to identify business requirements
ICTSAD508	Develop technical requirements for business solutions
ICTNWK546	Manage network security
ICTPRG535	Build advanced user interfaces
ICTPRG537	Implement security for applications

## CREDIT TRANSFER/RECOGNITION OF PRIOR LEARNING

Students can apply for course credit upon enrolment into the course. All students are provided with the opportunity to have their prior learning and experience assessed against current standards and gain recognition for this (Recognition of Prior Learning – RPL).

Students who have successfully completed whole units of competency included in this course can apply for Credit. Students who are granted RPL and/ or Credit will have their course delivery and assessment schedule altered and may also be eligible for reduced fees.

### FOR INTERNATIONAL STUDENTS

If RPL/credit transfer is approved, the student's COE will be adjusted to reflect any reduction in the period of study the student is enrolled in. The study load will remain the scheduled 20 hours per week as per your visa requirements.

## EXIT POINT AND PATHWAYS

Students must complete all assessments for each unit of competency to be deemed competent in a unit. All 10 units must be completed to gain the full qualification.

Students who do not complete the full qualification will receive a Statement of Attainment for all unit successfully completed.

## FEES AND CHARGES

For more information about intake dates, tuition fees and other charges, please visit [www.newerainstitute.edu.au](http://www.newerainstitute.edu.au) or email [admissions@newerainstitute.edu.au](mailto:admissions@newerainstitute.edu.au) for the latest fees and charges.

## TO ENROL

Please visit [www.newerainstitute.edu.au](http://www.newerainstitute.edu.au) and complete the enrolment form online. Alternatively, you may contact the institute on +61 2 8964 6457 or [admissions@newerainstitute.edu.au](mailto:admissions@newerainstitute.edu.au)

## ENTRY REQUIREMENTS

- Have attained the age of 18 years or over
- Demonstrate good command of written and spoken English
- Verified evidence of IELTS Level 5.5 or equivalent
- Have completed an equivalent secondary schooling level of a Higher School Certificate (year 12 in Australian schools) or can demonstrate suitable work or life experience
- Meet the Student Visa (Sub-class 500) requirements

## COURSE DURATION

- Duration: 104 weeks (80 weeks' tuition & 24 weeks' breaks between terms)
- Class sessions: 20 hours per week
- Please note, to complete your course, you will need to have access to a computer and internet. New Era Institute encourages students to bring their own devices to the campus (where there is free wireless internet access).

## LOCATION

Classroom sessions will be delivered at the New Era Institute's training classrooms at Windsor NSW campus.

## ASSESSMENT METHODS

All units of competence may be assessed using a selection of tools as mentioned below:

- Written Questions
- Theory assessments Case Study/ Project Work
- Practical assessment (Simulated Environment)

Students will require Laptop to study, basic stationery and a notebook according to their own study preferences.



Please refer to the International Student Handbook on [www.newerainstitute.edu.au](http://www.newerainstitute.edu.au)

for information on your rights and responsibilities and services provided by New Era Institute.

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