



# ICT50220 DIPLOMA OF INFORMATION TECHNOLOGY (CYBER SECURITY)

**CRICOS COURSE CODE: 113550H**

### COURSE DETAILS

<b>Provider Name</b>	Britts College Pty Ltd
<b>RTO Code</b>	40330
<b>CRICOS Code</b>	04061K
<b>Delivery Location of Course</b>	<b>SYDNEY CAMPUS:</b> Level 2, 9-11, 97 Grafton Street, Bondi Junction, Sydney, NSW 2022, Australia <b>MELBOURNE CAMPUS:</b> Level 7, 108 Lonsdale Street, Melbourne, VIC 3000, Australia
<b>Delivery Mode</b>	Face to face (Classroom based)
<b>Duration</b>	104 weeks, including 88 study weeks and 16 weeks of holiday
<b>Specialization (if any)</b>	Cyber Security
<b>Study Load</b>	20 hours per week in the classroom
<b>Estimated Self-Study Hours</b>	5 hours per week (may be more or less depending on learner's pre-existing skills and knowledge)



**TOTAL COURSE FEE:  
AUD 25,000**



**TUITION FEE:  
AUD 24,000**



**MATERIAL FEE:  
AUD 250**



**APPLICATION FEE:  
AUD 1,250  
(NON-REFUNDABLE)**

*(Application fee is non-refundable under all circumstances. Please refer to Britts College Pty Ltd's refund policy and procedure for further details)*

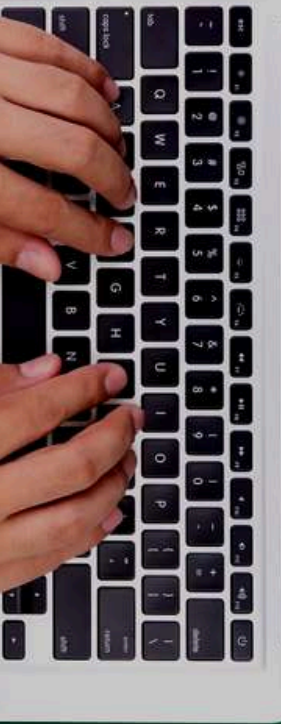
## ICT50220 DIPLOMA OF INFORMATION TECHNOLOGY

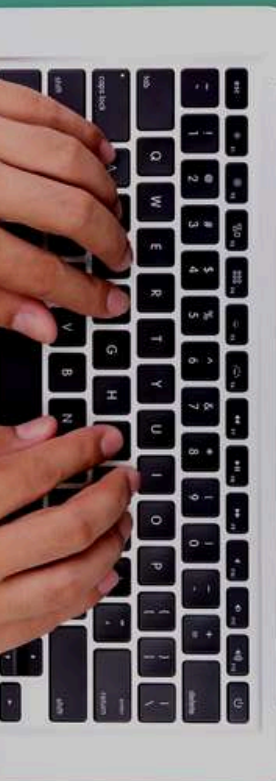
This qualification reflects the role of individuals in a variety of information and communications technology (ICT) roles who have established specialised skills in a technical ICT function.

Individuals in these roles carry out complex tasks in a specialist field, working independently, leading a team or a strategic direction of a business. They apply their skills across a wide range of industries and business functions, or as a business owner (sole trader/contractor).

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

- **Advanced networking:** configuring and managing virtual computing environments, and security within ICT networks
- **Advanced programming:** applying intermediate and advanced programming skills, managing data and building advanced user interfaces to manage organisational requirements
- **Back end web development:** developing and maintaining website information architecture and data
- **Business analysis:** designing and implementing technical requirements, quality assurance processes and contingency plans for businesses
- **Cloud architecture:** developing, improving and designing cloud infrastructure, including disaster recovery plans
- **Cloud engineering:** building, implementing and managing cloud infrastructure and virtual networks
- **Cyber security:** protecting sensitive data and information through security architecture and developing disaster recovery and contingency plans
- **Database and data management:** creating, designing and monitoring systems that store data and optimise organisational knowledge management
- **Front end web development:** designing dynamic and complex websites, user experience solutions and documents using extensible mark-up languages
- **Game art and design:** creating complex 2D and 3D modelling and animation software through scripts and storyboards
- **Game programming:** creating complex 2D and 3D interactive games and media, building graphical user interfaces and applying artificial intelligence in game development
- **Systems administration:** reviewing maintenance procedures and support to help troubleshoot system applications
- **Systems analysis:** modelling and testing data objects, data processes and preferred ICT system solutions
- **Telecommunications network engineering:** managing logistics, organisational specifications, regulations and legislative requirements across network projects.





## **COURSE ENTRY REQUIREMENTS:**

**Entry to this qualification is limited to those who:**

There are no pre-requisites for any of the units of competency contained within it. This course is available to all international students and Britts College Pty Ltd. requires that students are able to provide evidence that they:

- Have demonstrated an IELTS level at score of least 6.0 or equivalent (test results must be no more than 2 years old) or demonstration of successful completion of at least General English at Upper Intermediate or English for Academic Purposes Upper Intermediate level.
- Have a suitable level of language, literacy and numeracy to complete course requirements with or without additional support that Britts College Pty Ltd, is able to provide.
- Have successfully completed Australian year 10 or equivalent.
- Are at least at age of 18 on the date of course commencement.

**Please Note:** All the students commencing this course are required to complete LLN test on the orientation day to assist Britts College Pty Ltd. to identify student's needs for additional support during their study with Britts College Pty Ltd.



## **DELIVERY AND ASSESSMENT STRATEGY**

### **ADDITIONAL ENTRY REQUIREMENTS:**

- Student must have access to working PC or laptop with a configuration suitable to meet study requirements. Please seek your trainer/assessor assistance in this regard.
- Student must have sound digital literacy and access to working internet.
- A basic level of comfort with digital tools and the internet is required for accessing educational content and completing coursework.
- Students are required to attend the scheduled theoretical classes, which are an integral part of the curriculum, designed to provide a comprehensive understanding of the subject matter.

### **ORIENTATION:**

Starting your educational journey on the right foot is key. Orientation will be conducted on the campus to welcome new students into our vibrant community. Prior to your start date, the Admissions department will reach out with an email and phone call to provide you with all the necessary details and instructions to navigate the beginning of your academic adventure. For any inquiries or clarifications, reach out to us at **+61 481323385** or **sso@brittscollege.edu.au**. Our student administration is always on hand to offer additional support whenever required.

### **CLASSES:**

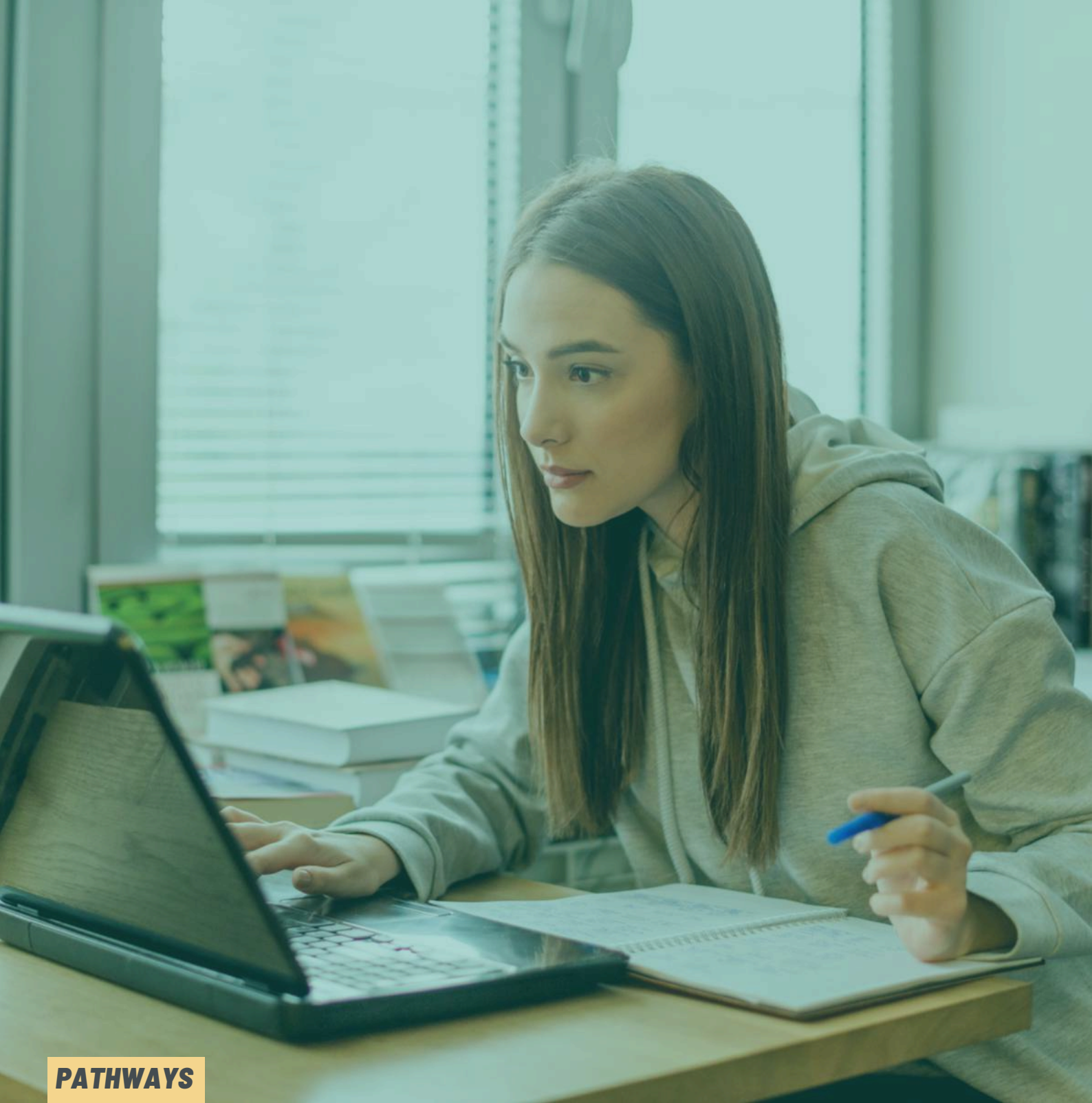
Classes are scheduled to be held in a designated classroom, ensuring face-to-face interaction, and will take place on the campus grounds to facilitate a direct and engaging learning experience.

### **ASSESSMENT:**

Assessment will be conducted on college premises under the expert guidance of our assessors and trainers. The college will provide all required materials for these assessments, which are an essential requirement for students to advance in their educational programs.

### **SUPPORT:**

Britts College Pty Ltd is dedicated to providing ongoing support to all students. Our academic staff, including trainers and assessors, are readily available to offer assistance and ensure students have the necessary resources to succeed in their academic endeavours.



## **PATHWAYS**

*The further study pathways available to students who undertake this qualification include:*

- ICT60220 Advanced Diploma of Information Technology (Cyber security).
- Or any other specialisation within ICT60220 Advanced Diploma of Information Technology.
- Higher education degree in Cyber Security provided learner meet the entry requirements of the proposed qualification at other higher education provider.

*Employment pathways:*

**1** CYBER  
SECURITY  
ADMINISTRATOR

**2** NETWORK  
SECURITY  
ANALYST

**3** NETWORK  
SECURITY  
SPECIALIST

**4** E-SECURITY  
SPECIALIST

**5** ICT SECURITY  
SPECIALIST

**6** IT SECURITY  
ADMINISTRATOR

**7** IT SECURITY  
ANALYST

**8** IT SECURITY  
SPECIALIST

## **COURSE STRUCTURE:**

A total of 20 Units (6 Core and 14 electives) must be completed and deemed competent to achieve the qualification ICT50220 Diploma of Information Technology (Cyber Security). Participants who achieve competency in any unit/s will receive a Statement of Attainment (provided USI is verified) for that unit/s without completing all 20 units in the qualification. Students completing all the required units of competency will attain full qualification.

<b>CODE</b>	<b>TITLE</b>	<b>CORE/ ELECTIVE</b>
<b>BSBCRT512</b>	Originate and develop concepts	Core
<b>BSBXTW401</b>	Lead and facilitate a team	Core
<b>BSBXCS402</b>	Promote workplace cyber security awareness and best practices	Core
<b>ICTICT517</b>	Match ICT needs with the strategic direction of the organisation	Core
<b>ICTICT532</b>	Apply IP, ethics and privacy in ICT environments	Core
<b>ICTSAS527</b>	Manage client problems	Core
<b>ICTICT523</b>	Gather data to identify business requirements	Elective
<b>BSBPMG532</b>	Manage project quality	Elective
<b>BSBPMG536</b>	Manage project risk	Elective
<b>ICTPMG505</b>	Manage ICT projects	Elective
<b>ICTSAD508</b>	Develop technical requirements for business solutions	Elective
<b>ICTICT526</b>	Verify client business requirements	Elective
<b>ICTSAD509</b>	Produce ICT feasibility reports	Elective
<b>ICTICT443</b>	Work collaboratively in the ICT industry	Elective
<b>ICTCYS407</b>	Gather, analyse and interpret threat data	Elective
<b>ICTCYS610</b>	Protect critical infrastructure for organisations	Elective
<b>ICTCYS613</b>	Utilise design methodologies for security architecture	Elective
<b>ICTSAS524</b>	Develop, implement and evaluate an incident response plan	Elective
<b>ICTSAS526</b>	Review and update disaster recovery and contingency	Elective
<b>ICTWEB514</b>	Create dynamic web pages	Elective

## **ASSESSMENT METHODOLOGY:**

Assessment methods used for this qualification are varied and will provide a range of ways for individuals to demonstrate that they have met the required outcomes. Assessment methods may include:



**WRITTEN  
QUESTIONS**



**PROJECTS**



**PRESENTATIONS**



**REPORT  
WRITING**



**ROLE PLAYS/  
OBSERVATIONS**



**PRACTICAL  
DEMONSTRATION  
AND OBSERVATIONS**

At the beginning of each unit, your trainer and assessor will outline the assessment tasks that must be completed.

## **RECOMMENDED TEXTBOOKS:**

- Computer Networks. 5th edition. Tanenbaum, Andrew S. & Wetherall, David J. Pearson, 2010
- Computer Networking: A top-down approach. 7th edition. Kurose, James and Ross, Kaith. Pearson, 2016.
- Cryptography and Network Security: Principles and Practice. 7th edition. Stallings, William. Pearson, 2016.
- Threat Modelling: Designing for security. 1st edition. Shostack, Adam. Wiley, 2014

## **FURTHER INFORMATION:**

For all further details, please refer to International Student Handbook on for all related policies and procedures (policies and procedures also available on [www.brittscollege.edu.au](http://www.brittscollege.edu.au)) and other important information related to international students including Covid-19, living cost, life and study in Sydney, etc.

Please contact the Administration Manager for further information at



sso@brittscollege.edu.au



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