



## Course Brochure – ICT50220- Diploma of Information Technology (Cyber Security) (CRICOS Course Code: 110928C)



Course details	
Provider Name	Melbourne College of Business and Technology
RTO Code	45217
CRICOS Code	03631M
Delivery location of course	Level 9, 190 Queen St, MELBOURNE, Victoria 3000
Delivery mode	Face to face (Classroom based)
Duration	52 Weeks including holidays
Study load	20 hours per week in the classroom
Estimated Self-Study Hours	330 HOURS

**Total Course Fee: AUD 15000**

**Tuition Fee: AUD 14000**

**Material Fee: AUD 750**

**Application Fee: AUD 250 (non-refundable)**

*(Application fee is non-refundable under all circumstances. Please refer to Melbourne College of Business and Technology refund policy and procedure for further details)*

### **COURSE DESCRIPTION**

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 moderately complex tasks in a specialist field, working independently, as part of a team or leading a deliverable with others. They may apply their skills across a wide range of industries, business functions and departments, 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 is no pre-requisites or specific entry requirement for this qualification. This course is available to all international students and Melbourne College of Business and Technology requires that students are able to provide evidence that they:
- Have demonstrated an IELTS level of at least 5.5 or equivalent or the successful completion of at least General English 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 Melbourne College of Business and Technology is able to provide.
- Have successfully completed Australian year 12 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 Melbourne College of Business and Technology to identify student's needs for additional support during their study with Melbourne College of Business and Technology. MCBT will review the student's current competencies, student needs, English level, support requirements and oral communication skills in order to enrol them in the most appropriate course to achieve their intended outcomes.

- Students must have access to a working PC or laptop with a configuration suitable to meet study requirements. Please seek your trainer/assessor assistance in this regard.
- Students must have access to a working internet.
- Students must be able to attend scheduled theory classes and classes to be conducted in a simulated environment.
- Students must have sound digital literacy.

We are fully committed to remain transparent on the mode of delivery, resources available to students,



methods of assessment and how assessment in a simulated environment will be managed. We ensure that:

- Students are treated fairly and reasonably.
- Any adjustments to courses are transparent and communicated clearly to students.
- All adjustments to course delivery, the process for informing and seeking students' consent, and information relevant to individual students is documented and retained.

### Course Outcome:

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:

- Senior Project Manager
- IP-based Optical Network Designer
- Network Security Manager

### Course Structure:

A total of 20Units (6 Core and 14electives) 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.

Code	Title	Core/ Elective
BSBCRT512	Originate and develop concepts	Core
BSBXTW401	Lead and facilitate a team	Core
BSBXCS402	Promote workplace cyber security awareness and best practices	Core
ICTICT517	Match ICT needs with the strategic direction of the organisation	Core
ICTICT532	Apply IP, ethics, and privacy in ICT environments	Core
ICTSAS527	Manage client problems	Core
ICTICT523	Gather data to identify business requirements	Elective
BSBPMG532	Manage Project Quality	Elective



Code	Title	Core/ Elective
BSBPMG536	Manage Project Risk	Elective
ICTPMG505	Manage ICT projects	Elective
ICTSAD508	Develop technical requirements for business solutions	Elective
ICTICT526	Verify client business requirements	Elective
ICTSAD509	Produce ICT feasibility reports	Elective
ICTICT443	Work collaboratively in the ICT industry	Elective
ICTCYS407	Gather, analyse, and interpret threat data	Elective
ICTCYS610	Protect critical infrastructure for organisations	Elective
ICTCYS613	Utilise design methodologies for security architecture	Elective
ICTSAS524	Develop, implement, and evaluate an incident response plan	Elective
ICTSAS526	Review and update disaster recovery and contingency	Elective
ICTWEB514	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

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

### Facilities and Resources

Your classes will be conducted in modern classrooms and you will be able to access Wi-Fi. There are also areas for you to relax, as well as conduct additional study.

You will be provided with a Student Guide relevant to each unit in your course. Recommended textbooks are also available onsite for you to use and borrow if you wish. You may also purchase these textbooks if you require.

### Course Progress and Attendance

Satisfactory course progress and attendance is very important. Please read the Student Handbook carefully for



more information. You will also be provided with further information about course progress and attendance requirements at your orientation.

### **Recognition of Prior Learning (RPL)/Credit Transfer (CT)**

Melbourne College of Business and Technology (MCBT) will offer Recognition of Prior Learning (RPL) and Credit Transfer (CT) to all prospective students through the enrolment process. MCBT has documented policies and procedures for these processes and students are provided details of how to apply for RPL or Credit Transfer through the enrolment process. For further details, please refer to RPL and Credit Transfer Policy and Procedure.

### **Further Information**

Contact the Administration Manager at [admissions@mcbt.vic.edu.au](mailto:admissions@mcbt.vic.edu.au) or +61 3 9018 5699 or refer to [www.mcbt.vic.edu.au](http://www.mcbt.vic.edu.au) for further information.