



Blockchain Collective



Advanced Diploma of Applied Blockchain

Develop skills in emerging technology and take your career to the next level. Attain the knowledge and experience to effectively apply blockchain frameworks to new and legacy businesses.

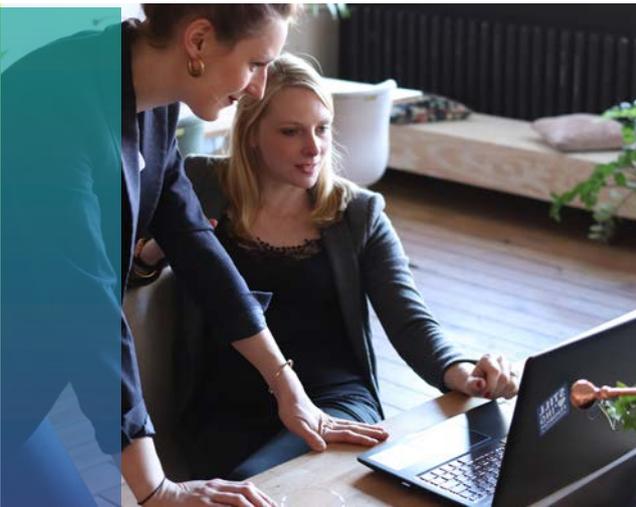


WHO IS THIS PROGRAM FOR?

The Advanced Diploma of Applied Blockchain 10747NAT prepares graduates with career-level skills and knowledge empowering them to strategically map and structure projects that operate within the emerging digital global economy.

Emerging technologies underpin the digital revolution that is sweeping the globe. Global markets are undergoing a digital transformation. In the next decade, the majority of jobs will become digital, human power will be transferred into machine operation.

Our courses are non-technical, designed for individuals looking to secure a 'career of the future' and want to be ahead of the curve.



STUDY OPTIONS

ONLINE:

Our courses are delivered through an online learning platform with live, scheduled instructor-led virtual classroom sessions. The user-friendly learning management system (LMS) hosts all of the learning resources, videos, learner guides, and assessment criteria. This delivery method provides a flexible learning environment for students anywhere in the world and is preferred by people who lead a busy life.

Duration:

Self-paced 9-18 months
Expect 15-20 hours study per week

ON CAMPUS:

The course is delivered through Registered Training Organisations (RTO's) who are regulated by ASQA, the Australian Skills Quality Authority and the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS)

Duration:

Full time 18 months

**International students who require a CRICOS Student visa are not eligible for online enrolment.

PREREQUISITES

Must be 18 years+, have completed year 12 or equivalent.

RECOMMEND ENTRY REQUIREMENTS

Business planning and operations understanding.
Experience at management level.
Fluent in the english language with high-level literacy and numeracy.
Able to prepare written reports.

WHY STUDY BLOCKCHAIN FOR BUSINESS?

Blockchain is one of the fastest growing emerging technologies, underpinning the world of the new digital economy. Distributed ledger technology is providing new ways of doing business and creating a demand for greater digital literacy. The rapid push towards Web 3.0 provides a wide range applications across all industries and is reshaping many aspects of government and enterprise globally.

Labour reports for global and Australian markets indicate over 200% year-on-year growth.

DEVELOP WORLD-LEADING DIGITAL BUSINESS CAPABILITY

Be on the forefront of emerging technologies and how they can be utilised.

Demand for employees with blockchain capabilities is skyrocketing, with a 40% rise in blockchain related roles.

DRIVE PRODUCTIVITY WITH EXISTING INDUSTRIES

Learn to plan and implement blockchain solution business models.

The global blockchain industry is expected to grow to US \$23.3 billion by 2023.

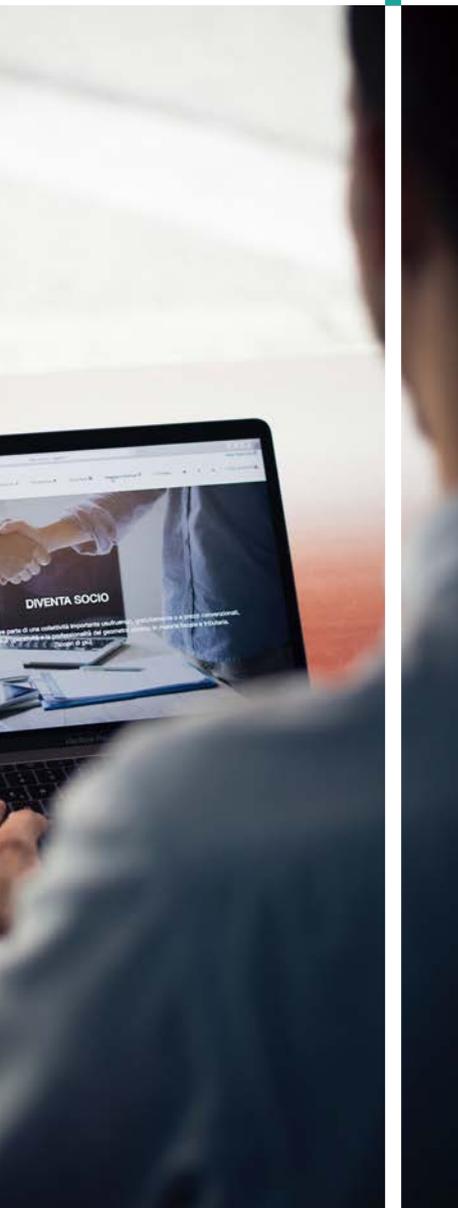
CREATE FUTURE ENTERPRISE OPPORTUNITIES

Utilise smart contracts and apply framework operation strategies.

Businesses are naming blockchain as one of the top 5 priorities, increasing to 53% in 2019

INDUSTRY DRIVERS

- Exponential growth and recognition of blockchain
- Government and enterprise adoption
- Technological advancements
- Demand for trained people
- Need for developing strategy around emerging technologies
- Ability to manage risk when applying blockchain



WHAT WILL YOU LEARN

The course is pragmatic and designed around a project-based assessment tasks. The learning materials and resources are structured formatively to establish strong foundational knowledge and progressively layer a deeper understanding of blockchain technology.



Blockchain Business Development Plan

Learn to plan and implement a Blockchain Business Model

Utilise smart contracts on the blockchain and apply framework operations strategies.



Blockchain Operation Strategy

Introduction to applied blockchain terminology and fundamentals of applied blockchain concepts



Blockchain Terminology and Applied Concepts

Apply big data to blockchain marketing strategies



Big Data and Blockchain



Blockchain and AI

Learn to apply blockchain to the internet of things and the implementation of Artificial intelligence.

How to apply the tenets of blockchain to create value.



Tenets of Blockchain



ENTRANCE REQUIREMENTS

Must be 18 years+, have completed year 12 or equivalent.

ENGLISH PROFICIENCY

International students are required to provide current evidence of English language proficiency for admission.

You can provide your results from one of these four options:

1. Copy of any international English test results (e.g. IELTS / TOEFL / PTE);
2. Proof that the student has successfully completed an English Language course with an Australian educational institution exiting at an upper intermediate level;
3. Statement from educational institution or similar evidence that confirms that English was the language of instruction, if at least five years' studies completed in Australia, UK, USA, Canada, New Zealand, South Africa or Republic of Ireland.
4. Official confirmation that the student has successfully completed in Australia in the English language either; the Senior Secondary Certificate of Education or studies at the Certificate IV or higher level, in the two years before applying for the student visa.

Australian Student Visa

The Advanced Diploma of Applied Blockchain is delivered through CRICOS approved Registered Training Organisations who are regulated by ASQA, the Australian Skills Quality Authority and the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS).



CORE UNITS

Unit 1

ESTABLISH A BLOCKCHAIN FRAMEWORK FOR DECENTRALIZED PEER TO PEER CONSENSUS AND INNOVATION

UNIT OVERVIEW

The unit includes the performance outcomes, skills and knowledge required to: Establish a blockchain framework that supports decentralised peer-to-peer consensus and innovation in organisations and industry sectors.

LEARNING OUTCOMES

- Research system requirements
- Design a blockchain solution
- Establish potential for disintermediation
- Establish the limitation of the blockchain
- Establish user value
- Identifying opportunities for innovation

On successful completion of the assessment tasks, you will have demonstrated your ability to explain blockchain terminology, how blockchains work in practice, the technical and non-technical limitations of blockchain, and identify potential for disintermediation and opportunities for innovation created through the application of blockchain technologies.



Unit 2

DEVELOP A BLOCKCHAIN BUSINESS MODEL

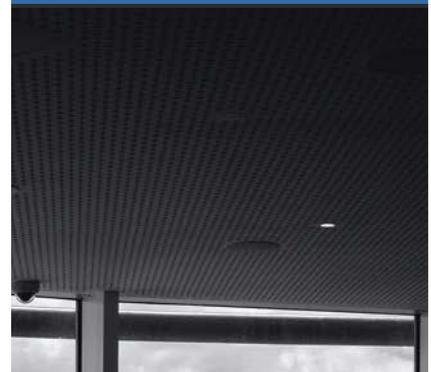
UNIT OVERVIEW

This unit includes the performance outcomes, skills and knowledge required to: Develop a business model that utilizes blockchain to create value, build new businesses or transform existing organisations.

LEARNING OUTCOMES

- Applying blockchain to the Internet of Things (IoT)
- Develop a value proposition
- Disrupt the business model
- Prepare and present a blockchain business model

On successful completion of the assessment tasks, you will have demonstrated your ability to apply knowledge to develop a disruptive business model that can be applied to the Internet of Things, creating real value, underpinned by blockchain technologies.



Unit 3

DEVELOP A BLOCKCHAIN NETWORK FUNCTIONAL REQUIREMENT SPECIFICATION

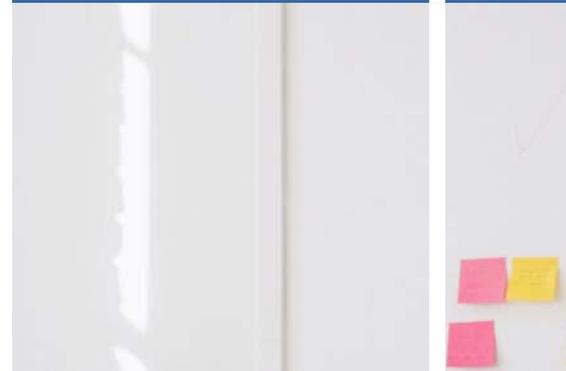
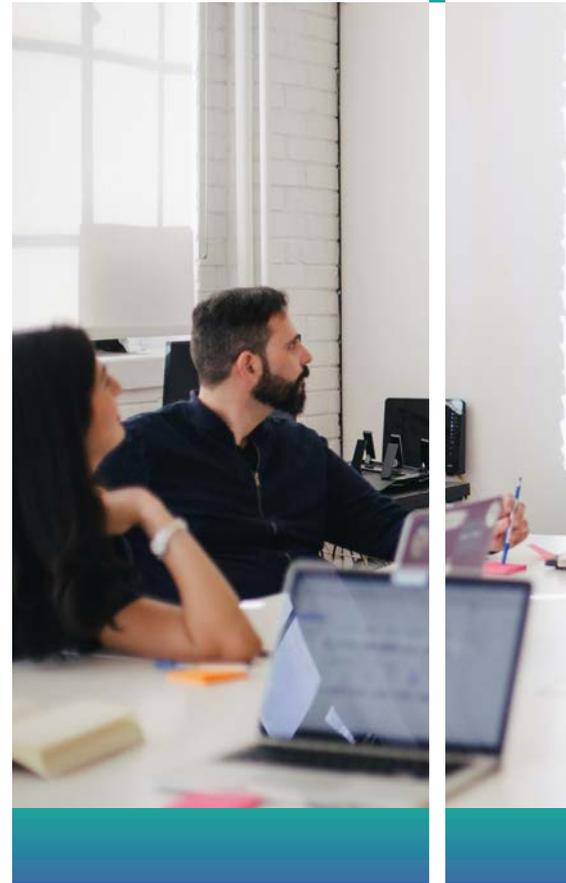
UNIT OVERVIEW

This unit describes the skills and knowledge required to: Develop a blockchain network functional requirements specification.

LEARNING OUTCOMES

- Define the scope of a blockchain network.
- Develop detailed Feasibility Analyses.
- Research functional requirements.
- Prepare and present a blockchain network proposal.

It requires the ability to define the proposed scope of a blockchain network implementation, conduct a feasibility analysis, identify prioritise and document functional and non-functional requirements, and successfully navigate the organisational approval protocols.



Unit 4

CREATE TRUST AND ACTIVATE A BLOCKCHAIN WITH SMART CONTRACTS

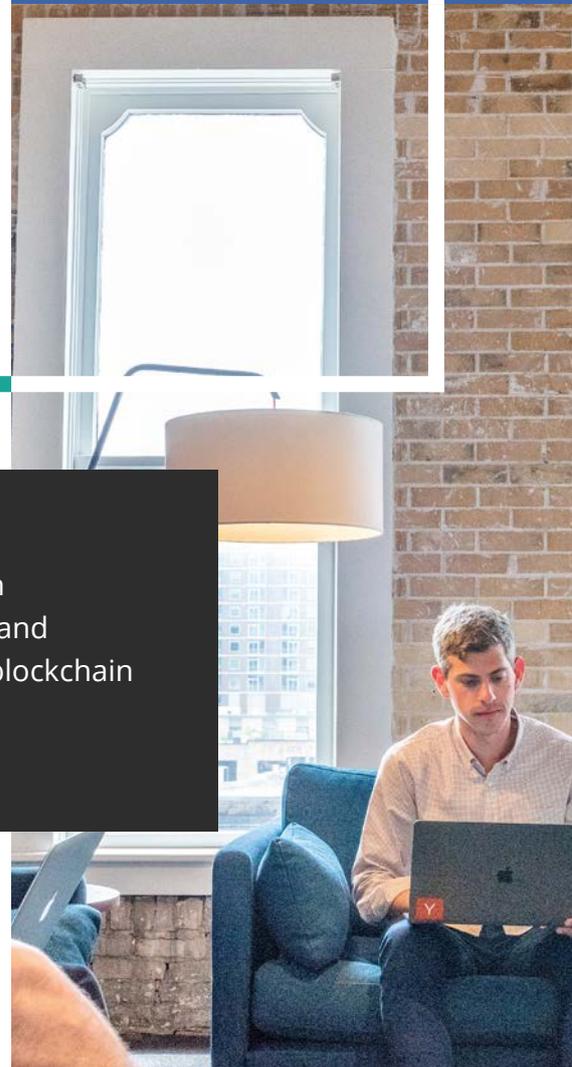
UNIT OVERVIEW

This unit describes the performance skills and knowledge required to: Create trust and activate transactions within a blockchain network. Smart contracts are a key underpinning of blockchain technology that can be used to replace expensive and / or time consuming intermediaries.

LEARNING OUTCOMES

- Redefine trust through smart contracts
- Apply a smart contract
- Interact with off-chain data sources
- Create a smart contract specification

It requires the ability to effectively to build trust through consensus, develop a specification for a smart contract and overcome issues when activating an application with a blockchain ecosystem.



Unit 5

DEVELOP A FRAMEWORK FOR OPERATING BLOCKCHAIN NETWORK

UNIT OVERVIEW

This unit describes the skills and knowledge required to: Operate a blockchain network. The operator will look at the objective of consensus and a typical flow of execution for a transaction to become distributed and validated by the network.

LEARNING OUTCOMES

- Review blockchain network components
- Establish the basis for peer network operations
- Establish a consensus protocol
- Develop a framework for blockchain network operations

It requires the ability to determine who can participate in the blockchain, gather valid transactions from participants, generate and sign blocks of valid transactions, and distribute blocks to participants.



Unit 6

DEVELOP A STRATEGIC NETWORK FRAMEWORK FOR INTEROPERABILITY

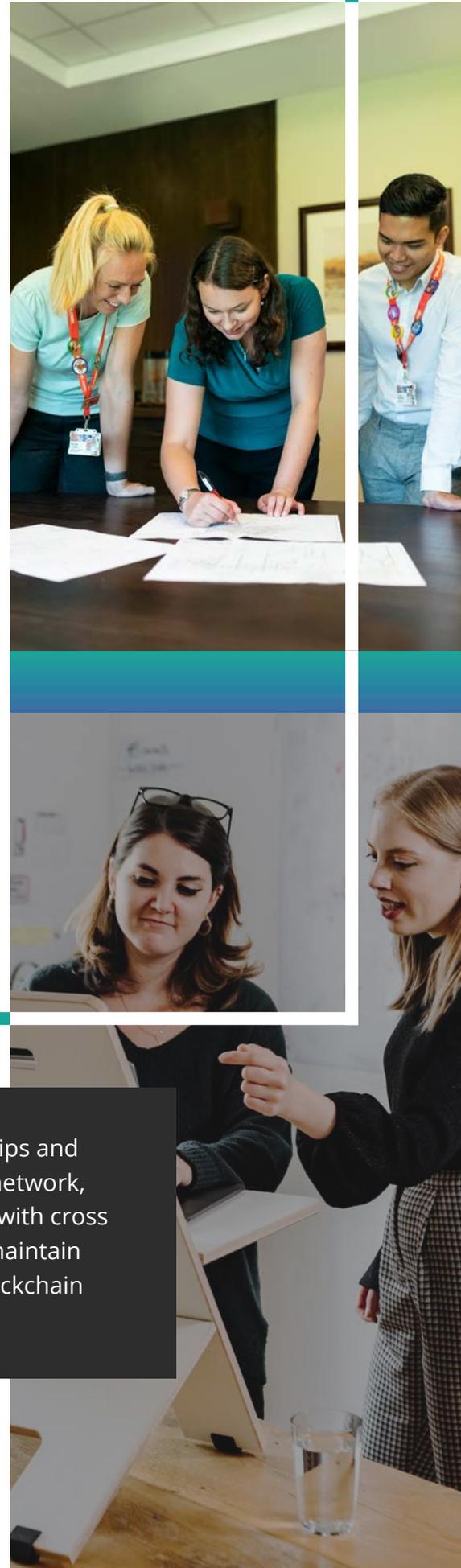
UNIT OVERVIEW

This unit describes the skills and knowledge required to: Form strategic networks to facilitate the interoperability between a blockchain network and an organisation's current private and or public networks.

LEARNING OUTCOMES

- Review blockchain network components
- Establish the basis for peer to peer network operations
- Establish a consensus protocol
- Develop a framework for blockchain network operations

It requires the ability to develop co-operative relationships and align them to the outcomes of the planned blockchain network, understand where effective interoperability is required with cross chain and other enterprise systems, and to effectively maintain strategic networks critical to the performance of the blockchain network.



ELECTIVE UNITS

Unit 7

PREPARE THE ORGANISATION FOR TRANSITIONING OPERATION TO A BLOCKCHAIN NETWORK

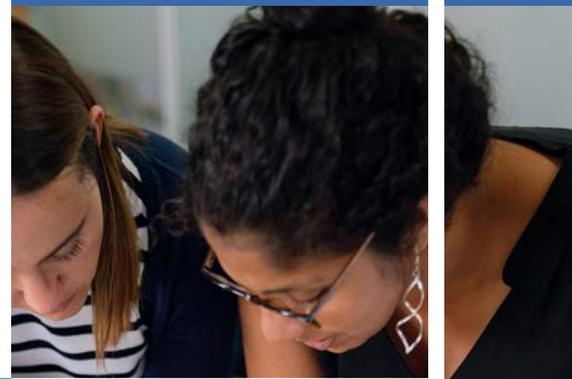
UNIT OVERVIEW

This unit describes the skills and knowledge required to: Prepare an organisation for the transition of all or part of their business operations, to a blockchain network.

LEARNING OUTCOMES

- Research organisational needs
- Develop a transition plan
- Design a decision-making framework

It requires the ability to prepare the business for transition, evaluate functional architectural requirements, develop a transition plan and design a decision-making framework for managing the transition.



Unit 8

DEVELOP A BLOCKCHAIN GOVERNANCE MODEL FOR STEWARDSHIP

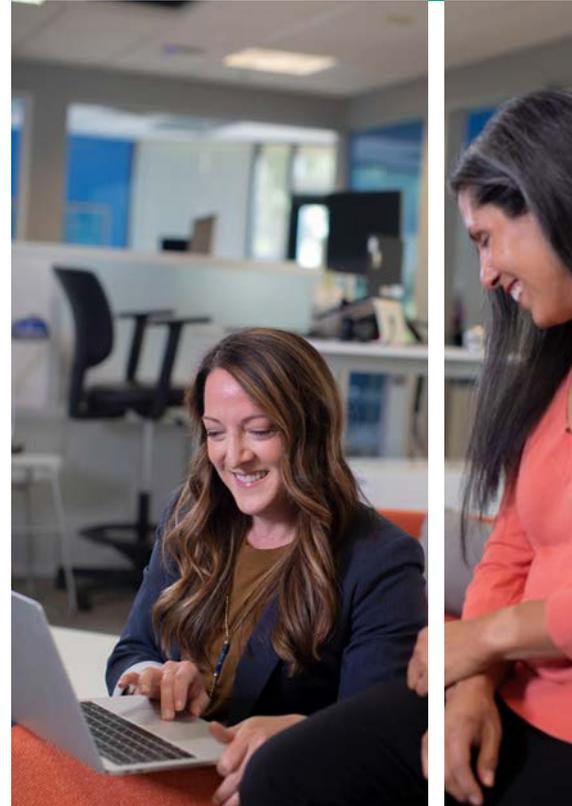
UNIT OVERVIEW

This unit describes the skills and knowledge required to: Investigate the regulatory environment and conceptualize a regulatory system for a blockchain ecosystem.

LEARNING OUTCOMES

- Establish the legal and regulatory challenges
- Define the role of regulation within blockchain networks
- Establish foundations for a blockchain governance network
- Design a stewardship framework

It requires the ability to determine legal and regulatory challenges, define the role of regulation within blockchain networks, establish foundations for a governance framework, and design a stewardship framework for a blockchain ecosystem.



Unit 9

LEAD RECRUITMENT STRATEGY FOR BLOCKCHAIN PROJECTS

UNIT OVERVIEW

This unit describes the skills and knowledge required to: Develop a recruitment strategy for blockchain projects.

LEARNING OUTCOMES

- Analyse the blockchain job market
- Establish candidate profiles
- Devise a recruitment strategy

It requires the ability to analyse the job market, create candidate profiles and devise a recruitment strategy to recruit blockchain talent.



Unit 10

ANALYSE PERFORMANCE OF A BUSINESS MODEL DEPLOYED ON A BLOCKCHAIN

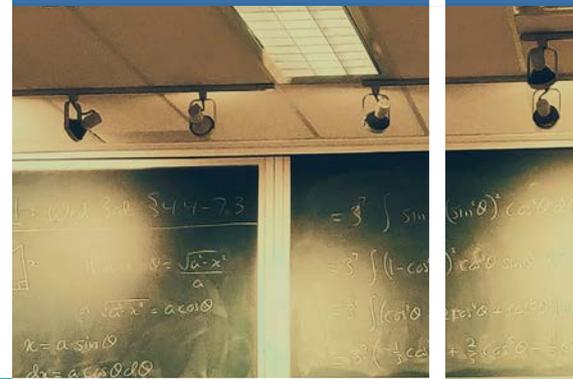
UNIT OVERVIEW

This unit describes the skills and knowledge required to: Analyse the performance of a blockchain business model.

LEARNING OUTCOMES

- Establish a baseline for performance review
- Identify opportunities for improvement
- Develop strategies for business model improvement

Analyse each of the nine building blocks of the approved business model from both a behavioural / outcome perspective and prepare a detailed SWOT analysis of each building block. Apply Blue Ocean Strategy filters to develop strategies for business model improvement.





HOW TO GET STARTED

Starting your journey in a career in Blockchain is a simple 3 step process.

Step 1 Chat to an Education Consultant.

Our Education Consultants have all the information you will need to choose the best course and study options for you. They will be able to answer any questions you have about the course or the enrolment process.

Call +61 (7) 3186 1013 during business hours or send us an email at info@bccollective.io.

Step 2 Fill out enrolment documentation.

Simply fill out the enrolment form and send us the required documents to be processed and approved.

Step 3 Wait to hear from us.

Once we approve your eligibility we will send you your enrollment details.



WHO ARE BLOCKCHAIN COLLECTIVE

Blockchain Collective is the leader in developing accredited blockchain and emerging technology qualifications and is setting an international benchmark standard, for the application of blockchain in a business context.

The Advanced Diploma of Applied Blockchain 10747NAT was designed for individuals seeking to transition into a career inside the blockchain field. It will prepare you to work across a variety of sectors and take the lead in a range of in-demand roles.

Course material is developed in conjunction with Blockchain Australia and approved by ASQA



Blockchain Collective

