



# INFORMATION TECHNOLOGY

[www.york.edu.au](http://www.york.edu.au)



**York**  
Business  
Institute

# INFORMATION TECHNOLOGY

## At York Business Institute

As technological progress accelerates, so does the demand for skilled computer science professionals. Become an expert in this transformative field, using your specialist knowledge to help shape the future of business.

International Technology courses integrate foundational learning, specialist knowledge of a key industry area and application studies focused on understanding technology used in the field. The course ensures you are industry-ready come graduation through an elevated curriculum. It offers you an opportunity to gain a speciality within the field, choosing from software engineering, cybersecurity or artificial intelligence.



### Better income

It is a well-known fact that Information Technology professionals are paid well, compared to other professionals. An I.T. professional with the right mix of certifications and experience can find a permanent position in either the public or private sector.



### Fastest growing industry

The Information Technology industry operates at a speed much faster than any other industry and for this reason, there's always a significant demand for highly-skilled workers.



### Modernize your skills

Information technology is the field of millennial. IT courses are currently among the most consistently growing areas of demand for employees.



### Multiple career choices

Information technology gives a student multiple options in career projections to choose from. One is able to work in absolutely any industry and in any location whatsoever.

## GAIN THE KNOWLEDGE AND SKILLS

Studying in this field you will develop skills in the processing, transmitting and storage of information.

You can expect to develop an understanding of information systems, programming languages, and information management, leaving your studies with the ability to apply your knowledge to solve problems.

Inside the information technology field, you will learn the theory and practice of industries such as:

- ✓ Computation theory
- ✓ Computer programming
- ✓ Format coding
- ✓ Storage and retrieval of information in a computer environment
- ✓ Robotics programming and artificial intelligence
- ✓ Systems analysis



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“What I really like about the course is that it allows me to explore my creative side and come up with innovative solutions.”

Philip  
Chile

## MEDIAN YEARLY EARNINGS

Systems Analyst	\$102,500
Information Officer	\$79,500
Database Administrator	\$103,350
Web Design	\$90,177
Programmer	\$92,000
Support Specialist	\$90,750

**THE WORLD OF OPPORTUNITIES  
IN INFORMATION TECHNOLOGY  
IS STILL GROWING TODAY, WITH  
NO END IN SIGHT.**

# CERTIFICATE IV IN INFORMATION TECHNOLOGY

(Specialisation: Programming and Web development)

This qualification reflects the role of individuals who are job ready and competent in a wide range of information and communications technology (ICT) roles and apply a broad range of skills in varied work contexts, using problem solving skills and effective communication with others. The skills required for these roles may include, but are not restricted to:

Programming: building, testing and applying basic object-oriented language skills, user interfaces and software developments.

Web development: designing website layouts through textual and visual content transfer, search engine optimisation and simple markup language documents.

## COURSE INFORMATION

DURATION	MODE OF DELIVERY	CONTACT HOURS
78 weeks	Face to face + Online	20 hours / week

## ENTRY REQUIREMENT

There are no pre-requisite requirements for this course. However, substantial work experience would be highly regarded. Students will also be assessed for their suitability to study the course prior to enrolment.

It is recommended that individuals should:

- Be 18 years or older; and
- Have completed Australian Year 11 or its equivalent with suitable English language skills.
- International Students are also required to have an English ability at the IELTS 5.5 or equivalent.

## POTENTIAL CAREER OUTCOMES

Job roles and titles vary across different industry sectors. According to the ICT training package companion volume guide, a possible job title relevant to this qualification is:

- ✔ Computer Programmer
- ✔ Support Specialist
- ✔ Network Engineer
- ✔ Systems Analyst

## QUALIFICATION STRUCTURE

BSBCRT404	Apply advanced critical thinking to work processes
BSBXCS404	Contribute to cyber security risk management
ICTICT426	Identify and evaluate emerging technologies and practices
ICTICT443	Work collaboratively in the ICT industry
ICTICT451	Comply with IP, ethics and privacy policies in ICT environments
ICTPRG302	Apply introductory programming techniques
ICTSAS432	Identify and resolve client ICT problems
ICTICT449	Use version control systems in development environments
ICTPRG430	Apply introductory object-oriented language skills
ICTPRG433	Test software developments
ICTPRG437	Build a user interface
ICTPRG440	Apply introductory programming skills in different languages
ICTWEB431	Create and style simple markup language documents
ICTWEB432	Design website layouts
ICTWEB433	Confirm accessibility of websites
ICTWEB434	Transfer content to websites
ICTWEB443	Implement search engine optimisations
ICTWEB450	Evaluate and select a web hosting service
ICTWEB452	Create a markup language document
ICTPMG411	Support small scale ICT projects

## PATHWAYS FROM THE QUALIFICATION

ICT50220 Diploma of Information Technology or other Diploma qualifications

# DIPLOMA OF INFORMATION TECHNOLOGY

(Specialisation: Advanced Programming and Front end Web development)

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 specialist fields, working independently, as part of a team or leading deliverables 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 programming: applying intermediate and advanced programming skills, managing data and building advanced user interfaces to manage organisational requirements

Front end web development: designing dynamic and complex websites, user experience solutions and documents using extensible mark-up languages

## COURSE INFORMATION

DURATION	MODE OF DELIVERY	CONTACT HOURS
104 weeks	Face to face + Online	20 hours / week

## ENTRY REQUIREMENT

There are no pre-requisite requirements for this course. However, substantial work experience would be highly regarded. Students will also be assessed for their suitability to study the course prior to enrolment.

It is recommended that individuals should:

- Be 18 years or older; and
- Have completed Australian Year 12 or its equivalent with suitable English language skills.
- International Students are also required to have an English ability at the IELTS 5.5 or equivalent.

## POTENTIAL CAREER OUTCOMES

Job roles and titles vary across different industry sectors. According to the ICT training package companion volume guide, a possible job title relevant to this qualification is:

- ✓ IT Office Manager
- ✓ General Application Support Officer
- ✓ eLearning Manager

## QUALIFICATION STRUCTURE

BSBCRT512	Originate and develop concepts
BSBXCS402	Promote workplace cyber security awareness and best practices
BSBXTW401	Lead and facilitate a team
ICTICT517	Match ICT needs with the strategic direction of the organisation
ICTICT532	Apply IP, ethics and privacy in ICT environments
ICTSAS527	Manage client problems
ICTPRG535	Build advanced user interfaces
ICTPRG547	Apply advanced programming skills in another language
ICTPRG549	Apply intermediate object-oriented language skills
ICTPRG554	Manage data persistence using noSQL data stores
ICTPRG556	Implement and use a model view controller framework
ICTICT530	Design user experience solutions
ICTWEB513	Build dynamic websites
ICTWEB514	Create dynamic web pages
ICTWEB518	Build a document using extensible markup language
ICTWEB519	Develop complex web page layouts
ICTWEB520	Develop complex cascading style sheets
ICTICT523	Gather data to identify business requirements
ICTPRG533	Debug and monitor applications
ICTPMG505	Manage ICT projects

## PATHWAYS FROM THE QUALIFICATION

ICT60220 Advanced Diploma of Information Technology or other Advanced Diploma qualifications



# ADVANCED DIPLOMA OF INFORMATION TECHNOLOGY

(Specialisation: IT strategy and organisational development; Systems development and analysis)

This qualification reflects the role of individuals in a variety of information and communications technology (ICT) roles who have significant experience in specialist technical skills, or managerial business and people management skills. 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:

IT strategy and organisational development: managing and communicating strategic ICT business solutions

Systems development and analysis: modelling and testing data objects, data processes and preferred ICT system solutions.

## COURSE INFORMATION

DURATION	MODE OF DELIVERY	CONTACT HOURS
78 weeks	Face to face + Online	20 hours / week

## ENTRY REQUIREMENT

There are no pre-requisite requirements for this course. However, substantial work experience would be highly regarded. Students will also be assessed for their suitability to study the course prior to enrolment.

It is recommended that individuals should:

- Be 18 years or older; and
- Have completed Australian Year 12 or its equivalent with suitable English language skills.
- International Students are also required to have an English ability at the IELTS 5.5 or equivalent.

## POTENTIAL CAREER OUTCOMES

Job roles and titles vary across different industry sectors. According to the ICT training package companion volume guide, a possible job title relevant to this qualification is:

- ✓ Enterprise Architecture Manager
- ✓ Enterprise Application Integration Consultant
- ✓ Knowledge Manager
- ✓ Software Manager

## QUALIFICATION STRUCTURE

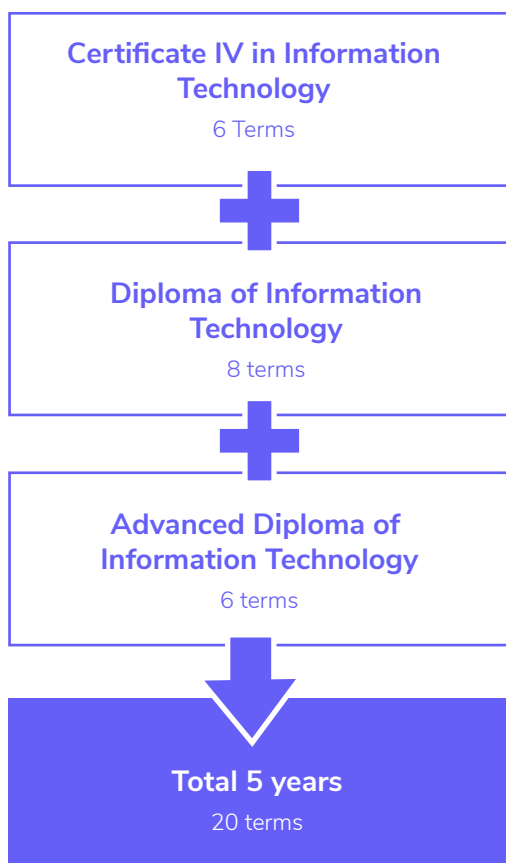
BSBCRT611	Apply critical thinking for complex problem solving
BSBXCS402	Promote workplace cyber security awareness and best practices
BSBTWK502	Manage team effectiveness
ICTICT608	Interact with clients on a business level
ICTICT618	Manage IP, ethics and privacy in ICT environments
ICTSAD609	Plan and monitor business analysis activities in an ICT environment
ICTICT611	Develop ICT strategic business plans
ICTSAD604	Manage and communicate ICT solutions
ICTSAD608	Perform ICT-focused enterprise analysis
ICTSAD611	Manage assessment and validation of ICT solutions
ICTPRG605	Manage development of technical solutions from business specifications
ICTSAD610	Analyse stakeholder requirements
ICTSAD612	Implement and maintain uses of containerisation
ICTSAD613	Install and configure container orchestration services
ICTPMG617	Plan and direct complex ICT projects
ICTSUS603	Integrate sustainability in ICT planning and design projects

## PATHWAYS FROM THE QUALIFICATION

After achieving this qualification candidates may choose to undertake studies at higher education level.



## COURSE PATHWAYS



## UNIVERSITY ARTICULATION PATHWAYS



## FLEXIBLE ONLINE STUDY

Our online study option is available to all domestic and overseas students. This study pathway is best for students who prefer a flexible schedule that matches their daily routine and study at your own pace learning style.

Students who enrol in our courses will have access to York Business Institute's learning resources through our online platform 'E-learning.' Studying the theory component of our course online will not change the learning outcomes required by the courses.

### E-learning Access

<https://elearning.york.edu.au/login/index.php>

### Tutorial for Virtual Class

<https://www.youtube.com/watch?v=uYYnryIM0Uw&t=1s>



### WHAT CAN YOU DO ON E-LEARNING:

- ✓ On-line study and attendance
- ✓ Download study materials
- ✓ Download online study guide
- ✓ Download assessments
- ✓ Assessment submission
- ✓ Weekly online activities

## ACADEMIC SUPPORT

All of the academic staff members at York Business Institute are highly qualified. Trainers and assessors are certified with experience inside the classroom and in their fields. They are also aware of industry trends and stay up-to-date with the latest information to help you achieve your future career goals.

## STUDENT SUPPORT

To assist you while studying at YBI, we have student welfare officers who provide on-going support services to students. The student welfare officers are friendly and they can give personal advice and assistance to students in many areas including academic advice, student visas, health insurance, welfare, social activities and effective study methods. They are also the initial point of contact for all students.



# Make Quality Education Fair and Accessible

THE PLACE TO BE  
Welcome to York Business Institute,  
where your future starts.

## WHY STUDY AT YORK BUSINESS INSTITUTE

Welcome to York Business Institute where your future starts. Our College can offer you new and exciting experiences in the heart of Sydney. Our staff and teachers are ready to provide you with wonderful learning opportunities, new skills, and the confidence to find your way in the Sydney work force. All of our courses are nationally accredited and internationally recognised, meeting the requirements of the Business, Information Technology and Financial Services Training Packages.



### Flexible study options

33% of the courses are delivered online that gives you flexibility at your suitable time



### Teaching quality

All the students are satisfied with the teaching they have received



### Multi pathway entry

Successful completion will entry into higher education of hospitality courses.



### Campus futures

Modern and up-to-date new campus with mutipal facilities which located in Sydney CBD, closed to transports, mall and restaurants.



### Student support

Students are satisfied with the support they received at their institution, whether enrolment systems, learning advice, careers advisors and health services were available and helpful.



### Learner engagement

Students are satisfied with their engagement with learning at their institution and whether they had a sense of belonging at their institution.

## OUR MODERN CAMPUS







## START YOUR STUDY JOURNEY WITH US

### STEP 1: CHOOSE A COURSE

Check out our course outline and entry requirements at [www.york.edu.au](http://www.york.edu.au)

### STEP 2: COMPLETE ENROLLMENT FORM

Download and complete the Enrolment form. Read the terms & conditions and Student Handbook, these available from our website.

Enrolment Form



Student Handbook



### STEP 3: STEP 3: PROVIDE RELEVANT DOCUMENTS

Attach all relevant documents. For example

- ☒ Certified copies of passport
- ☒ Education qualifications
- ☒ English qualifications
- ☒ Working experience (if relevant)
- ☒ RPL application (if relevant)

### STEP 4: SUBMIT YOUR APPLICATION

Return your application form and the necessary documents to :  
York Business Institute  
Suite 1, Level 1 , 338 Pitt St. Sydney NSW 2000 AUSTRALIA  
OR email to : [info@york.edu.au](mailto:info@york.edu.au)

### STEP 5: RECEIVE AN OFFER LETTER

Upon receipt of your Enrolment Form and supporting documents, an interview will be conducted by a member of the Institute's Admission Team or a delegate to assess on your suitability to the course that you have applied for.

If your application is successful you will receive a letter of offer for you nominated course along with a written agreement. When we receive your signed student agreement and fees, we will send you an electronic Confirmation of Enrolment(eCoE). This eCoE is used to apply for your student visa. Once the visa is granted, you are ready to go!

## YOUR SAFETY IS OUR FIRST PRIORITY

Our campus is registered as COVID safe businesses, our students' and staffs' safety is our priority. In light of the COVID 19 pandemic, York Business Institute provides the opportunity for you to attend classes by attending campus or by joining the classes through remote live delivery via video conferencing. Our friendly staff are also here to support !

#### Mode of course delivery:

During the COVID-19 pandemic all of our courses will be delivered 100% online to reduce the spread of the virus and safeguard the welfare of our students, staff and the community.

#### Timetable:

The Online Class timetable may differ from the actual(face-to-face) class timetable. The nature of student support and engagement may also vary during this online delivery period.

Please contact the college if you have any enquiries regarding the mode of delivery and the timetable



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**Fair and Accessible**

## CONTACT WITH US

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