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UNDERGRADUATE RMI-CPT-DEG-2020

Bachelor of Information Technology

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ABOUT THIS DEGREE

Want to support and troubleshoot IT systems or design websites, business applications and program networks?

IT specialists select the right hardware and software products for an organisation. They also install, customise and provide ongoing maintenance for these applications.

Combining your knowledge of IT theory and practice with hands-on expertise, you will be able to develop an organisation's technology infrastructure and support the people who use it.

Snapshot

LEVEL

UNDERGRADUATE

QUALIFICATION

Bachelor Degree

SUBJECTS

24 subjects

PROVIDER

RMIT University

Overview

Learn how to develop, install and customise an organisation's technology infrastructure, Gain the skills to provide ongoing maintenance and support of network administration, IT systems, business applications and websites.

Learning Outcomes

While undertaking this degree you will develop your knowledge and skills essential for the information technology industry so you will be employable as a competent software developer, web developer or other aligned IT professional.

You will gain an excellent combination of knowledge and practical, hands-on expertise to influence an organisation's technology infrastructure and the clients who use IT.

Upon completion of this degree you will be able to:

- Enable knowledge - gain skills as you apply knowledge effectively in diverse contexts.
- Apply critical analysis - accurately and objectively examine and consider computer science and information technology (IT) topics, evidence, or situations, in particular to:
  - Analyse and model requirements and constraints for the purpose of designing and implementing software artefacts and IT systems
  - Evaluate and compare designs of software artefacts and IT systems on the basis of organisational and user requirements.

- Solve ICT problems - analyse problems and synthesise suitable solutions as you design and implement software solutions that accommodate specified requirements and constraints, based on analysis or modelling or requirements specification.
- Communicate effectively with a variety of audiences through a range of modes and media, in particular to:
  - Present a clear, coherent and independent exposition of software applications, alternative IT solutions, and decision recommendations to both IT and non-IT personnel via technical reports of professional standard and technical presentations.

- Work as an effective and productive team member in a range of professional and social situations, in particular to:
  - Work effectively in different roles, to form, manage, and successfully produce outcomes from teams, whose members may have diverse cultural backgrounds and life circumstances, and differing levels of technical expertise.

- Accept responsibility for your own learning, including independent life-long learning, in order to keep your knowledge and skills up-to-date within your chosen field in a constantly changing IT industry.

- Make informed decisions about judging and adopting appropriate behaviour in professional and social situations. Specifically, you be able to:
  - Effectively apply relevant standards, ethical considerations, and an understanding of legal and privacy issues to designing software applications and IT systems.

Career Outcomes

IT graduates install networks; handle network administration and security; design web pages; develop multimedia resources; install communication equipment; manage email systems; and plan and manage a company's technology upgrades.

Graduates select and deploy software products for commercial organisations, software development companies, government departments and large computer organisations. They create and manage business applications, websites, systems and environments.

Graduates typically work for commercial organisations, software development companies or diverse industries including retail, health or tourism.

Graduates also find employment in government departments and large computer organisations.

Degree Subjects

DEGREE STRUCTURE - MAJORS

Please refer to the transition information below for information about course changes that may impact you.

FOUNDATION SUBJECTS

Total number of subjects to complete: 2 units

Code	Title	Required	Elective	Optional	University
CPT110	Introduction to Information Technology Classes start: 30 AUG 29 NOV	●			RMIT
CPT120	Introduction to Programming Classes start: 30 AUG 29 NOV	●			RMIT

CORE SUBJECTS - LEVEL 1

Total number of subjects to complete: 5 units

Code	Title	Required	Elective	Optional	University
CPT112	User-Centred Design Classes start: 30 AUG 29 NOV	●			RMIT
CPT121	Programming 1 Classes start: 30 AUG	●			RMIT
CPT140	Database Concepts Classes start: 30 AUG 29 NOV	●			RMIT

CPT160	Introduction to Computer Systems Classes start: 30 AUG 29 NOV	●			RMIT
CPT111	Building IT Systems Classes start: 30 AUG	●			RMIT

CORE SUBJECTS - LEVEL 2

Total number of subjects to complete: 4 units

Code	Title	Required	Elective	Optional	University
CPT250	Data Communication and Net-Centric Computing Classes start: 30 AUG	●			RMIT
CPT251	Security in Computing and IT Classes start: 29 NOV	●			RMIT
CPT270	Web Programming Classes start: 29 NOV	●			RMIT
CPT230	Software Engineering Fundamentals Classes start: 30 AUG	●			RMIT

CORE SUBJECTS - LEVEL 3

Total number of subjects to complete: 3 units

Code	Title	Required	Elective	Optional	University
CPT330	Software Engineering Project Management	●			RMIT

	Classes start: 30 AUG				
CPT331	Programming Project Classes start: 30 AUG	●			RMIT
CPT310	Professional Computing Practice Classes start: 29 NOV	●			RMIT

INFORMATION TECHNOLOGY ELECTIVES

Total number of subjects to complete: 4 units

Code	Title	Required	Elective	Optional	University
CPT220	Programming Principles 2A Classes start: 29 NOV			●	RMIT
CPT222	Further Programming Classes start: 30 AUG			●	RMIT
CPT224	iPhone Software Engineering Classes start: 30 AUG			●	RMIT
CPT264	UNIX Systems Administration Classes start: 30 AUG			●	RMIT
CPT323	Object-Oriented Programming in C++ Contact an OUA student advisor for the next start date			●	RMIT
CPT373	Web Development Technologies Contact an OUA student advisor for the next start date			●	RMIT

CPT350	Cloud Computing Contact an OUA student advisor for the next start date			●	RMIT
Coming Soon	RMI-CPT223 - Scripting Language Programming (Coming in 2021) Contact an OUA student advisor for the next start date			●	
Coming Soon	RMI-CPT375 - Web Database Applications (Coming in 2021) Contact an OUA student advisor for the next start date			●	

MINOR IN ACCOUNTING

Total number of subjects to complete: 4 units

Code	Title	Required	Elective	Optional	University
ACG11	Accounting for Business Classes start: 30 AUG 29 NOV	●			UNISA
ACG12	Financial Accounting 1 Classes start: 29 NOV	●			UNISA
ACG24	Management Accounting Classes start: 30 AUG	●			UNISA
ACG27	Financial Accounting 2 Classes start: 29 NOV	●			UNISA

MINOR IN ECONOMICS

Total number of subjects to complete: 4 units

Code	Title	Required	Elective	Optional	University
ECO11	Principles of Economics Classes start: 30 AUG 29 NOV	●			UNISA
ECO12	Macroeconomics 1 Classes start: 30 AUG	●			UNISA
ECO20003	Managerial Economics and Strategy Classes start: 30 AUG	●			SWIN
ECO20001	Environmental Economics Contact an OUA student advisor for the next start date	●			SWIN

MINOR IN INTERNET COMMUNICATIONS

Total number of subjects to complete: 4 units

Code	Title	Required	Elective	Optional	University
NET102	Digital Culture and Everyday Life Classes start: 30 AUG 29 NOV			●	CURTN
WEB101	Web Communications Classes start: 30 AUG 29 NOV			●	CURTN
NET204	Social Media, Communities and Networks Contact an OUA student advisor for the next start date			●	CURTN
NET205	The Digital Economy			●	CURTN

	Classes start: 29 NOV				
NET303	Power, Politics and the Internet Classes start: 30 AUG		●		CURTN
NET308	Internet Collaboration and Innovation Contact an OUA student advisor for the next start date		●		CURTN

MINOR IN INTERNET DESIGN

Total number of subjects to complete: 4 units

Code	Title	Required	Elective	Optional	University
DIG22	Internet Design Introduction Classes start: 30 AUG	●			CURTN
DIG24	Programming for Digital Design Classes start: 29 NOV	●			CURTN
DIG31	Web Authoring Design Classes start: 30 AUG	●			CURTN
DIG33	Internet Project Development Classes start: 29 NOV	●			CURTN

MINOR IN MANAGEMENT

Total number of subjects to complete: 4 units

Code	Title	Required	Elective	Optional	University
	Management Concepts (Introduction to				

IBA111	Management) Classes start: 30 AUG 29 NOV		●		GRF
IBA205	Comparative Management Contact an OUA student advisor for the next start date		●		GRF
IBA218	Business Processes Classes start: 29 NOV		●		GRF
EHR202	Human Resource Management Principles Classes start: 30 AUG		●		GRF
IBA305	Quality Management Classes start: 30 AUG		●		GRF
IBA311	Management Problem Solving Classes start: 30 AUG		●		GRF
IBA312	Management Strategy and Decision Making Classes start: 30 AUG		●		GRF

Please note: IBA105 and IBA302 have been withdrawn. If previously completed, it will still count towards this minor.

MINOR IN MARKETING

Total number of subjects to complete: 3 units

Code	Title	Required	Elective	Optional	University
MKT10007	Fundamentals of Marketing	●			SWIN

MKT20025	Classes start: 29 NOV Consumer Behaviour Classes start: 29 NOV	●	SWIN
MKT20031	Marketing and Innovation Contact an OUA student advisor for the next start date	●	SWIN

Recommended Study Pattern

To get the most out of this degree, students are recommended to follow these steps:

- Start with foundation subjects
- Complete Level 1 core subjects and electives
- Choose a minor sequence from the examples below, or send your preferred sequence to the School for approval
- Complete Level 2 and 3 core subjects, IT electives, and your chosen minor.

Requirements

Higher Education Eligibility

Successful completion of one full time semester (four subjects) towards an undergraduate degree or higher level of study at an Australian university, and evidence of meeting maths entry requirement equivalent to VCE prerequisite Subjects 3 and 4: a study score of 20 in Mathematics (any)

Higher Education OUA Eligibility

Successful completion of 2 Core subjects from the Bachelor of Information Technology at pass level (CPT110 and CPT120 recommended).

Seconday Education ELIGIBILITY

Successful completion of Australian Year 12, or equivalent, with an ATAR of 68.2. VCE prerequisites: Units 3 and 4: a minimum of 20 in Mathematics (any), and a minimum study score of 25 in English (or equivalent) or 30 in English (EAL)

Vet ELIGIBILITY

Successful completion of Australian Advanced Diploma, Diploma, or equivalent, and evidence of meeting maths entry requirement equivalent to VCE prerequisite Units 3 and 4: a study score of 20 in Mathematics (any).

SPECIAL REQUIREMENTS

To be eligible for admission to an RMIT program applicants must be at least 16 years of age by the commencement date of the program in which they want to enrol.

A broadband internet connection is mandatory to complete this program. Some units in this program have a requirement to download and install several gigabytes of software, support materials and video content.

Students must have a Windows, Macintosh or Linux computer system in order to complete the program. Some specialist IT elective units have specific hardware and software requirements.

Collaborative group work may be required in specific subjects in this degree, including organising and participating in both asynchronous and synchronous (live) communications.

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Qualifications

AWARD REQUIREMENTS

To obtain the Bachelor of Information Technology you must complete 24 subjects, and meet these requirements:

- Complete 2 Foundation subjects
- Complete 12 Core subjects
- Complete 4 IT Elective subjects
- Complete 4 Minor Stream subjects
- Complete 2 Free Elective subjects

At least 8 of the subjects above must be studied through RMIT.

RECOGNITION OF PRIOR LEARNING / CREDIT

Students may be able to receive credit for previous studies completed at other institutions (academic credit transfer) or for work/life experience (RPL).

Information for CSP students:

CSP students may apply for credit transfer and/or RPL after accepting their offer for admission to this degree.

Information for non-CSP students:

Non-CSP students must be registered in the RMIT degree prior to submitting any application for credit transfer or RPL - see the How to Apply section above for information on registering in the RMIT degree.

Information for all applicants:

It is recommended that students do this as soon as possible after being admitted into / registered in the degree, so that an accurate study plan can be mapped out after processing of any credit / RPL that may be awarded.

Documentation will be required to support your application, such as:

- Credit Transfer:
  - a certified copy of an Academic Transcript with final grades for Higher Education studies
  - a certified copy of a Statement of Attainment for any completed TAFE studies

- course outlines showing content, learning outcomes and assessment requirements
- an explanation of the grading structure used.

- RPL
  - An up-to-date CV outlining your experience working in the field of IT.
  - Position description(s) for roles you have been engaged within in the field of IT, preferably recent roles (eg. within previous 5 years)
  - Letter(s) of reference from a line manager at recent place(s) of employment, outlining role, responsibilites and IT knowledge / skills, processes and tools required in the performing of that role. Letter(s) of reference should be on company letterhead and must be signed and dated by the line manager in question.

Before lodging a credit transfer or RPL application, it is recommended that students submit an enquiry regarding their pending application via RMIT Connect, requesting guidance on how to apply and what documentation may be required.

REGISTERING IN THIS COURSE

Commonwealth Supported Place (CSP)

To find out your eligibility for a Commonwealth Supported Place (CSP), please click on the "Add & Continue" button on the top of the page.

If you have taken up a Commonwealth Supported Place (CSP) through RMIT, you are not required to register for this degree. Therefore the below information does not apply to CSP students with RMIT.

Non CSP Students (Fee-HELP or Pay Upfront):

Students who are studying with RMIT and accessing FEE-HELP or paying upfront and are intending to complete the Bachelor of Information Technology are advised to register for the degree after successfully completing a minimum of two core RMIT OUA subjects within this degree:

- For commencing students without a background or prior studies in the field of IT the foundation units CPT110 and CPT120 are recommended.
- Commencing students who have:
  - completed prior studies in an IT-related field (at Diploma level or higher) and thus may be eligible for advanced standing (credit transfer), or,
  - come from an IT background (professional or academic) and may be eligible for Recognition of Prior Learning (RPL),

are advised to submit an enquiry via RMIT Connect, requesting guidance on their future credit transfer / RPL application and subsequent subject selection for degree registration purposes.

A fee of $180 is applicable to non-CSP students registering for the degree.

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LET'S GET STARTED

Your Enrolment Guide

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UNDERGRADUATE RMI-CPT-DEG-2020

Enrol with ease and start today

We'll guide you through our simple online application and fast approval process, so you can start your degree quickly and easily.

Explore

Choose from over 160 degrees and 1300 subjects from leading Australian unis.

Find

Guidance to find your best option, based on what's important to you.

Enrol

Simplified online applications to give you easy access to uni study.

Start

Get started on your study journey today.

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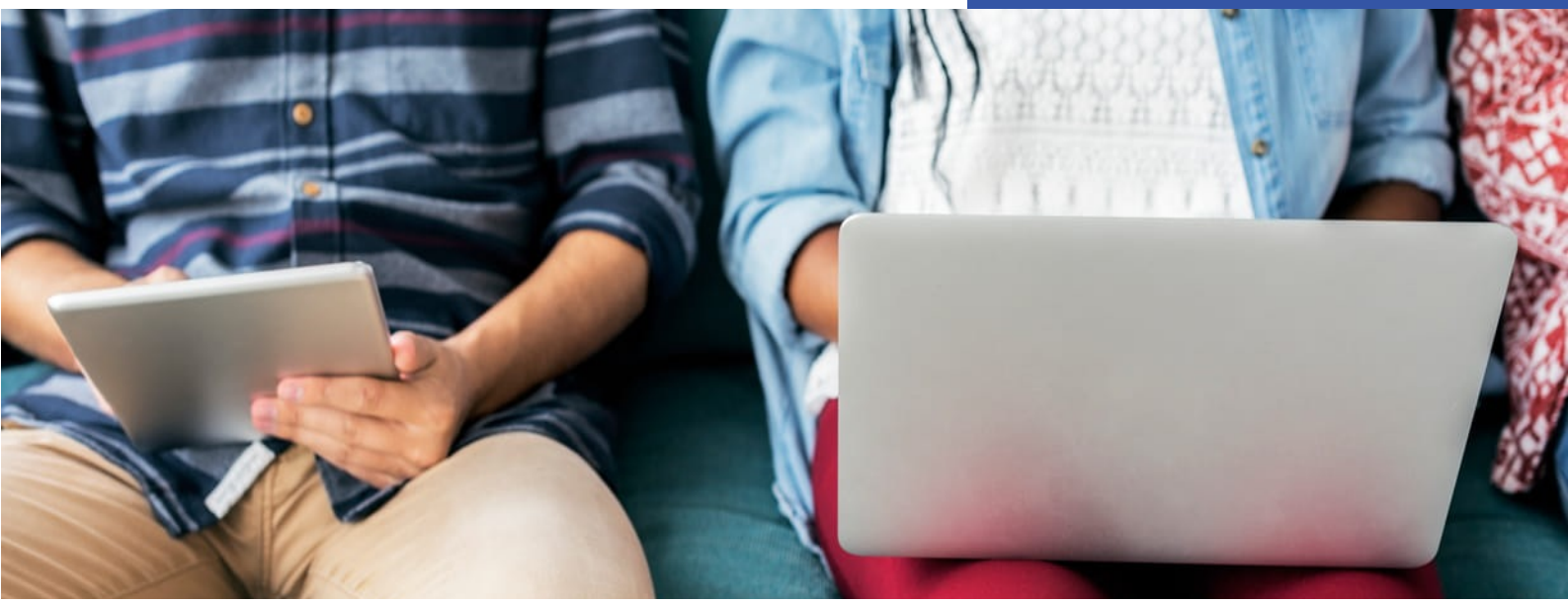

How to enrol

1

ADD THE DEGREE TO YOUR SELECTION

Our degree pages describe each degree in detail, including how it's structured and the entry requirements. More questions? Call 13 OPEN (13 67 36) to speak to a student advisor.

When you're ready to apply click Add & continue.

2

CHOOSE YOUR SUBJECTS AND WHEN YOU'D LIKE TO START STUDYING

Degrees are made up of a combination of core, major and elective subjects. Most students choose one or two core subjects to start. We offer multiple start dates throughout the year.

3

TELL US HOW YOU WANT TO STUDY

Choose single subjects to see if online study suits you. You can study subject-by-subject without committing to an entire degree. And when you're ready to commit to the degree, you'll receive credit for the subjects you've completed.

Choose degree to lock in your studies and officially undertake the degree. You'll need to meet eligibility criteria and that could mean you'll need to supply us with some documents. But as soon as you're accepted, your path to graduation is locked in, with protection against course changes plus capped tuition fees.

4

REGISTER YOUR DETAILS

We'll need your personal information, including contact details and your residential address.

5

CHOOSE HOW TO PAY

You might be eligible to take out a student loan, or you can pay up front.

We're here to help from start to finish

Our student advisors can help you enrol, plan your studies and answer any questions about how studying through OUA works.

13 OPEN (13 67 36)

open.edu.au

We can help you choose
open.edu.au/help-me-choose

Plan your studies
open.edu.au/your-studies/getting-started

Understand fees and funding
open.edu.au/your-studies/financial-options

Stay on track
open.edu.au/your-studies/support-services

New student enquiries

13 OPEN (13 67 36)
International: +61 3 8628 2971
open.edu.au/contact-us

Stay up-to-date

The information in this degree guide was correct at the time of publication. This information can change, so you should always check our website for the latest information.

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