UNIVERSITY OF CANBERRA

Graduate Diploma in Information Technology (843AA.3)

Please note these are the 2021 details for this course

Domestic students

Selection rank	
Delivery mode	On campus
Location	Bruce, Canberra
Duration	1.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Technology
UAC code	880270
English language requirements	An IELTS Academic score of 6.5 overall, with no band score below 6.0 (or equivalent).
	View IELTS equivalences

International students

Academic entry requirements	To study at UC, you'll need to meet our academic entry requirements and any admission requirements specific to your course. Please read your course admission requirements below. To find out whether you meet UC's academic entry requirements, visit our academic entry requirements page.

Delivery mode	On campus
Location	Bruce, Canberra
Duration	1.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Technology
CRICOS code	040756B
English language requirements	An IELTS Academic score of 6.5 overall, with no band score below 6.0 (or equivalent). View IELTS equivalences

About this course

Climb the ladder to a management position in IT

If your career objective is to work your way up to a high-level management position in IT, then the UC Graduate Diploma in Information Technology course will give you the knowledge, skills and credentials to step forward and forge ahead with confidence.

This course has been specifically designed to give you a comprehensive and highly integrated understanding of a range of IT issues covering areas such as database design, security and support.

These subjects will help you gain an in-depth understanding of how the IT industry works, how to interpret changes within the market, and most importantly how to adapt to new technology systems as they evolve – thus helping give your career a strong advantage by ensuring that your knowledge base is future proof and career ready.

This course is perfect for those seriousabout career advancement or preparing for a future as an academic with a focus on IT.

Once you graduate, you will be able to serve in a range of technical and management positions which require IT expertise or, if you prefer to further your study skills in IT, you will be in a great position to undertake a Master of Information Technology and Systems, which is available by enrolling in additional units.

Study a Graduate Diploma in Information Technology at UC and you will:

- gain a strong professional perspective on the ICT industry
- deepen your knowledge and skills in ICT
- learn to interpret and critique management ideas and strategies
- gain the skills to be able to adjust to industry changes
- study core areas of the 'Skills Framework for the Information Age'
- work alongside industry specialists
- build stronger professional networks
- complement your existing academic knowledge for broader employment prospects.

Work Integrated Learning (WIL)

WIL is an integral component of the UC Graduate Diploma in IT course as it offers students the opportunity to gain valuable hands-on experience and build professional relationships through real work, or work-like placements.

To ensure our students have access to the right people and places, UC works hard to foster close industry connections and regularly engages with industry partners who possess both the skills and experience to provide specialised knowledge and training opportunities.

All course content is reviewed annually by our Course Advisory Group which is made up of a panel of highly qualified and respected industry experts.

Career opportunities

The UC Graduate Diploma in IT offers the perfect stepping stone to further academic study or a direct pathway for direct progression into a management position in any one of the following careers:

- developer
- programmer
- ICT customer support officer
- ICT support technician
- project support officer

Course-specific information

Upon completion, your studies can continue with a Master of Information Technology and Systems. Students who have completed the Graduate Diploma may apply and receive credit for units in the Mater's degree.

Professional accreditation

This course is accredited by the professional body, the Australian Computer Society, at the Associate level.

Admission requirements

Applicants must have a bachelor's degree in a non-IT field or equivalent.

Assumed knowledge

None.

Periods course is open for new admissions

This course is not open for new admissions.

Credit arrangements

There are currently no formal credit transfer arrangements for entry to this course. Any previous study or work experience will only be considered as part of the application process in accordance with current course rules and university policy.

Course requirements

Graduate Diploma in Information Technology (843AA) | 24 credit points

Required - Must pass 12 credit points as follows

Expand All | Collapse All

Professional Practice in IT G (6676) | 3 credit points — Level G

Information Technology for the Workplace G (8520) | 3 credit points — Level G

Introduction to Information Technology G (8936) | 3 credit points — Level G

Technological Innovation and Entrepreneurship G (11530) | 3 credit points — Level G

- Students may select alternative ITS restricted choice G/PG units with the permission of the Program Director.

Restricted Choice - Must pass 12 credit points as follows

G Level Units - May do up to 9 credit points from the following

Introduction to Statistics G (6554) | 3 credit points — Level G

Database Design G (6672) | 3 credit points — Level G

Designing Human-Computer Interaction G (6673) | 3 credit points — Level G

Systems Analysis and Modelling G (6677) | 3 credit points — Level G

Security and Support in IT G (6689) | 3 credit points — Level G

Web Design and Programming G (6691) | 3 credit points — Level G

Discrete Mathematics G (6699) | 3 credit points — Level G

Software Systems Architecture G (8746) | 3 credit points — Level G

Systems Software G (8935) | 3 credit points — Level G

Introduction to Information Technology G (8936) | 3 credit points — Level G

Mathematical Structures G (8938) | 3 credit points — Level G

Software Technology 1 G (8995) | 3 credit points — Level G

Software Technology 2 G (9073) | 3 credit points — Level G

Introduction to Digital Forensics G (9075) | 3 credit points — Level G

Mobile Technologies G (9076) | 3 credit points — Level G

Management Information Systems G (9503) | 3 credit points — Level G

Introduction to Network Engineering G (10088) | 3 credit points — Level G

Electronics Systems G (10091) | 3 credit points — Level G

Introduction to Data Science G (11516) | 3 credit points — Level G

Exploratory Data Analysis and Visualisation G (11517) | 3 credit points — Level G

Enterprise Systems G (11518) | 3 credit points — Level G

Data Capture and Preparations G (11520) | 3 credit points — Level G

Programming for Data Science G (11521) | 3 credit points — Level G

Foundations of Robotics G (11528) | 3 credit points — Level G

Workflow and Process Management G (11529) | 3 credit points — Level G

- 1. Students must not select G Level units that are similar to any they have studied in their pathway courses.

- 2. With the permission of the Program Director, G Level units may be replaced by PG Level units.

PG Level Units - Must do at least 3 credit points from the following

Business Intelligence Systems PG (6680) | 3 credit points — Level P

Information Security PG (6682) | 3 credit points — Level P

Knowledge Management Systems PG (6688) | 3 credit points — Level P

High Speed Networks PG (6692) | 3 credit points — Level P

Client-Server Computing PG (6693) | 3 credit points — Level P

Computer and Network Security PG (6697) | 3 credit points — Level P

Business Informatics Case Studies PG (7106) | 3 credit points — Level P

Graphics Visualisation Techniques PG (7108) | 3 credit points — Level P

Information Systems Management PG (7109) | 3 credit points — Level P

Game Programming Techniques PG (7191) | 3 credit points — Level P

Social Informatics PG (7196) | 3 credit points — Level P

Soft Computing PG (7197) | 3 credit points — Level P

Information Sciences Internship PG (7900) | 3 credit points — Level P

Project Management PG (8427) | 3 credit points — Level P

Data Analytics and Business Intelligence PG (8697) | 3 credit points — Level P

Computer Vision and Image Analysis PG (8890) | 3 credit points — Level P

Programming Natural User Interfaces PG (8891) | 3 credit points — Level P

Network Architecture PG (10099) | 3 credit points — Level P

Wireless Networks PG (10100) | 3 credit points — Level P

Enterprise and Cloud Computing PG (11510) | 3 credit points — Level P

Pattern Recognition and Machine Learning PG (11512) | 3 credit points — Level P

Internet of Things PG (11513) | 3 credit points — Level P

System and Network Administration PG (11515) | 3 credit points — Level P

AR/VR for Data Analysis and Communication PG (11524) | 3 credit points — Level P

Advanced Robotics PG (11525) | 3 credit points — Level P

Advances in Information Sciences and Engineering PG (11526) | 3 credit points — Level P

Cloud Computing Architecture PG (11527) | 3 credit points — Level P

In addition to course requirements, in order to successfully complete your course you must meet the inherent requirements. Please refer to the inherent requirements statement applicable to your course

Typical study pattern

UC - Canberra, Bruce

Standard Full Time, Semester 1 Commencing

Year 1

Semester 1

Information Technology for the Workplace G (8520)

Introduction to Information Technology G (8936)

Professional Practice in IT G (6676)

Technological Innovation and Entrepreneurship G (11530)

Semester 2

One Restricted Choice Unit (PG or G Level)

One Restricted Choice Unit (PG Level)

Two Restricted Choice Units (G Level)

Standard Full Time, Semester 2 Commencing

Year 1

Semester 2

Information Technology for the Workplace G (8520)

Introduction to Information Technology G (8936)

Professional Practice in IT G (6676)

Technological Innovation and Entrepreneurship G (11530)

Year 2

Semester 1

One Restricted Choice Unit (PG Level)

Two Restricted Choice Units (G Level)

One Restricted Choice Unit (PG or G Level)

Course information

Course duration

Standard 1 year full time, or part time equivalent. Maximum - 4 years.

Learning outcomes

Learning outcomes	Related graduate attributes
Critically analyse, interpret and synthesise complex problems, solutions, concepts or theories in information technology area, to address the needs of a broad range of stakeholders, including technology specialists, managers, clients, regulators, etc.	UC graduates are professional: Employ up-to-date and relevant knowledge and skills; communicate effectively; use creativity, critical thinking, analysis and research skills to solve theoretical and real-world problems; display initiative and drive, and use their organisational skills to plan and manage their workload; and take pride in their professional and personal integrity. UC graduates are global citizens: Think globally about issues in their profession; make creative use of technology in their learning and professional lives; and behave ethically and sustainably in their professional and personal lives. UC graduates are lifelong learners: Reflect on their own practice, updating and adapting their knowledge and skills for continual professional and academic development; and evaluate and adopt new technology.

Develop an advanced and integrated understanding and innovation mindset, to identify and analyse complex problems within information technology and systems discipline, and design sustainable novel technology solutions to these problems at a highly skilled level.	UC graduates are professional: Employ up-to-date and relevant knowledge and skills; use creativity, critical thinking, analysis and research skills to solve theoretical and real-world problems; and take pride in their professional and personal integrity. UC graduates are global citizens: Think globally about issues in their profession; make creative use of technology in their learning and professional lives; and behave ethically and sustainably in their professional and personal lives. UC graduates are lifelong learners: Be self-aware; adapt to complexity, ambiguity and change by being flexible and keen to engage with new ideas; and evaluate and adopt new technology.
Demonstrate coherent foundation knowledge of Information Technology principles and ICT core body of knowledge and be able to apply key technologies and use them effectively in an organisation.	UC graduates are professional: Employ up-to-date and relevant knowledge and skills; communicate effectively; use creativity, critical thinking, analysis and research skills to solve theoretical and real-world problems; work collaboratively as part of a team, negotiate, and resolve conflict; display initiative and drive, and use their organisational skills to plan and manage their workload; and take pride in their professional and personal integrity. UC graduates are global citizens: Think globally about issues in their profession; and make creative use of technology in their learning and professional lives. UC graduates are lifelong learners: Reflect on their own practice, updating and adapting their knowledge and skills for continual professional and academic development; and evaluate and adopt new technology.
Exercise critical thinking and problem-solving ability, and practice professional skills, by showing initiative, critical thinking, responsibility to themselves and others, and adaptability.	UC graduates are professional: Employ up-to-date and relevant knowledge and skills; use creativity, critical thinking, analysis and research skills to solve theoretical and real-world problems; work collaboratively as part of a team, negotiate, and resolve conflict; display initiative and drive, and use their organisational skills to plan and manage their workload; and take pride in their professional and personal integrity. UC graduates are global citizens: Think globally about issues in their profession; understand issues in their profession from the perspective of other cultures; communicate effectively in diverse cultural and social

settings; and make creative use of technology in their learning and professional lives.

UC graduates are lifelong learners: Reflect on their own practice, updating and adapting their knowledge and skills for continual professional and academic development; adapt to complexity, ambiguity and change by being flexible and keen to engage with new ideas; and evaluate and adopt new technology.

Advance knowledge of information and communication technologies communicate technical information clearly through presentations, demonstrations and documentation, and use independent judgment to synthesise information to manage IT issues.	UC graduates are professional: Employ up-to-date and relevant knowledge and skills; communicate effectively; use creativity, critical thinking, analysis and research skills to solve theoretical and real-world problems; work collaboratively as part of a team, negotiate, and resolve conflict; and display initiative and drive, and use their organisational skills to plan and manage their workload. UC graduates are global citizens: Understand issues in their profession from the perspective of other cultures; and communicate effectively in diverse cultural and social settings. UC graduates are lifelong learners: Reflect on their own practice, updating and adapting their knowledge and skills for continual professional and academic development; be self-aware; adapt to complexity, ambiguity and change by being flexible and keen to engage with new ideas; and evaluate and adopt new technology.
Acquire capability to learn independently, demonstrate research skills in an ethical manner, adapt their knowledge to diverse environments, and collaborate with others to achieve a common goal.	UC graduates are professional: Employ up-to-date and relevant knowledge and skills; communicate effectively; use creativity, critical thinking, analysis and research skills to solve theoretical and real-world problems; and work collaboratively as part of a team, negotiate, and resolve conflict. UC graduates are global citizens: Understand issues in their profession from the perspective of other cultures; communicate effectively in diverse cultural and social settings; and behave ethically and sustainably in their professional and personal lives. UC graduates are lifelong learners: Evaluate and adopt new technology.

Awards

Award	Official abbreviation
Graduate Diploma in Information Technology	GradDipIT

Alternative exits

Alternative Exits:

Graduate Certificate in Information Technology - Must have passed 12 credit points as follows: Information Technology for the Workplace G, Professional Practice in IT G, Introduction to Information Technology G and Technological Innovation and Entrepreneurship G (or other Information Technology and Systems units at G or PG Level as approved by the Program Director).

Enquiries

Student category	Contact details
Prospective Domestic Students	Email study@canberra.edu.au or Phone 1800 UNI CAN (1800 864 226)
Prospective International Students	Email international@canberra.edu.au or Phone +61 2 6201 5342
Current and Commencing Students	In person, Student Centre Building 1 or Email Student.Centre@canberra.edu.au

Download your course guide

Scholarships

Find the scholarship that's the right fit for you

Explore Scholarships