UNIVERSITY OF CANBERRA

Master of Business Informatics (309JA.3)

Please note these are the 2023 details for this course

Domestic students

Selection rank	PG
Delivery mode	On campus
Location	Bruce, Canberra
Duration	2.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Technology
UAC code	880250
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. View UC's academic entry requirements

Delivery mode	On campus
Location	Bruce, Canberra
Duration	2.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Technology
CRICOS code	087618B
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

Master the business of informatics at UC

If you're in IT and looking to get ahead, then the UC Master of Business Informatic course offers the perfect opportunity to expand your skills in areas vital to the intertwined worlds of Business and Information Technology - while simultaneously gaining the knowledge and qualifications to give your career a much-needed boost.

This two-year program has been created to address key areas pertinent to IT professionals and is of particular advantage to those looking at progressing into a career as business analysts.

This course also offers students a range of electives to help you fine-tune your qualifications and specialise in areas such as accounting, HR, strategic management, data analytics or information sciences.

On completion of the course you will be able to return to the workforce as a confident, competent specialist with the knowledge and skills to progress comfortably into a career in a variety of specialised IT roles, such as program analyst, systems architect, information systems manager, and beyond.

This course offers you the chance to prepare you for a career in the 'knowledge economy' and is accredited by the Australian Computer Society.

This course also offers you the chance to specialise in Cloud Computing, Cybersecurity, Data Science, Project Management or Social Informatics.

Study a Master of Business Informatics at UC and you will:

- demonstrate an understanding of theoretical concepts and develop an appropriate set of data models for relational database implementation
- undertake a human-computer interaction design project
- critically analyse complex business processes
- be able to derive advanced system models appropriately
- learn how to use international standard systems description paradigms and languages
- prepare and critically evaluate documents associated with project planning, monitoring, review and quality
- use SPSS and gain knowledge of key data and national and international indicators from Australia and other Asia-Pacific countries.

Work Integrated Learning (WIL)

The concept of WIL is a vital component to the UC approach to higher education as it offers students the opportunity to gain practical experience working alongside industry professionals and dealing with real world issues relating to their areas of study.

As part of this course you will be tasked with undertaking a specialised research project where you'll be encouraged to use issues relating to your current or past work life and use these issues to research innovative solutions life under the support and guidance of professional academic mentors.

In addition, this course also allows you to tailor your learning around your specific areas of interest and future employment aspirations, and internships are possible as part of your range of elective units.

Previous Business Informatics internships and cadetships with organisations include: PricewaterhouseCoopers (PwC), Fujitsu Australia, Birdsnest, the University of Canberra, and more.

Career opportunities

A Master of Business Informatics form UC is a globally recognised qualification that can help you progress into a range of careers including working as a:

- IT security analyst
- IT systems test engineer
- Business analyst
- Data scientist
- IT project manager
- Systems architect
- Web developer
- Systems analyst
- ICT consultant
- Information analyst
- Information systems manager
- IT auditor
- IT business manager

- Solutions engineer.

Course-specific information

This course is accredited by the Australian Computer Society at Professional level.

A clear pathway of study exists between this degree, the undergraduate Bachelor of Business Informatics, and the postgraduate Graduate Certificate and Graduate Diploma in Business Informatics courses. Credit equivalent to the Graduate Diploma in Business Informatics may be given to applicants who have an undergraduate Business Informatics or Information Technology degree AND 3 years of relevant work experience.

Professional accreditation

Master of Business Informatics is accredited by the Australian Computer Society (ACS) at the Professional level.

Admission requirements

A Bachelor degree from Australia or a recognised overseas institution. No previous Business Informatics or ICT knowledge is assumed.

You can use professional experience and prior learning to enter into a postgraduate qualification at UC through our Professional Pathway Entry program. If you have significant work experience or hold industry-recognised qualifications, this program could be your route to bypass undergraduate study and accelerate your career. Explore Professional Pathway Entry https://www.canberra.edu.au/future-students/get-into-uc/admissions-programs/professional-pathway-entry

Assumed knowledge

Proficiency in using computers.

Periods course is open for new admissions

Year	Location	Teaching period	Teaching start date	Domestic	International
2025	Bruce, Canberra	Semester 1	03 February 2025	✓	✓
2025	Bruce, Canberra	Semester 2	28 July 2025	✓	✓
2026	Bruce, Canberra	Semester 1	16 February 2026	✓	✓
2026	Bruce, Canberra	Semester 2	10 August 2026	✓	✓
2027	Bruce, Canberra	Semester 1	15 February 2027	✓	✓
2027	Bruce, Canberra	Semester 2	09 August 2027	✓	✓

Credit arrangements

A credit transfer arrangement is available for this course for the following institutions:

University Of Canberra College

Graduate Certificate in Academic Foundations (31427)

Course requirements

Master of Business Informatics (309JA) | 48 credit points

Expand All | Collapse All

Required - Must pass 33 credit points as follows

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

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

Systems Project and Quality Management G (6678) | 3 credit points — Level G

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

IT and Business Alignment PG (6683) | 3 credit points — Level P

Inf. Sc. Research Methodology PG (6797) | 3 credit points — Level P

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

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

Technology Capstone Research Project PG (11522) | 6 credit points — Level P

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

Award Options - Must select 1 of the following

No Specialisation - 15 credit points from the following

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

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

Introduction to Digital Forensics G (9075) | 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

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

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

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

PG Level Units - Must do at least 6 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

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

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

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

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

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

Information Sciences Internship (Extended) PG (11531) | 3 credit points — Level P

Cybersecurity specialisation - 15 credit points as follows

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

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

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

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

Introduction to Cyber Safety G (11623) | 3 credit points — Level G

Cloud Computing specialisation - 15 credit points as follows

Specialist Units - Must pass 12 credit points as follows

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

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

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

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

Restricted Choice Units - Must pass 3 credit points from the following

- 3 credit points of ITS unit at G or PG level

Social Informatics specialisation - 15 credit points as follows

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

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

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

Social Media G (9436) | 3 credit points — Level G

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

Project Management specialisation - 15 credit points as follows

Specialist Units - Must pass 12 credit points as follows

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

Technology and Engineering Management PG (9784) | 3 credit points — Level P

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

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

Restricted Choice Units - Must pass 3 credit points from the following

- 3 credit points of ITS unit at G or PG level

Data Science specialisation - 15 credit points as follows

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

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

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

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

AR/VR for Data Analysis and Communication PG (11524) | 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

Introduction to Information Technology G (8936)

Professional Practice in IT G (6676)

Systems Analysis and Modelling G (6677)

One Restricted Choice Unit (Level G or PG)

Semester 2

Inf. Sc. Research Methodology PG (6797)

Technological Innovation and Entrepreneurship G (11530)

Two Restricted Choice Units (Level G or PG)

Year 2

Semester 1

IT and Business Alignment PG (6683)

Information Security PG (6682)

Systems Project and Quality Management G (6678)

One Restricted Choice Unit (Level PG)

Semester 2

Information Systems Management PG (7109)

Technology Capstone Research Project PG (11522)

One Restricted Choice Unit (Level PG)

Standard Full Time, Semester 2 Commencing

Year 1

Semester 2

Introduction to Information Technology G (8936)

Professional Practice in IT G (6676)

Systems Analysis and Modelling G (6677)

One Restricted Choice Unit (Level G or PG)

Year 2

Semester 1

Inf. Sc. Research Methodology PG (6797)

Technological Innovation and Entrepreneurship G (11530)

Two Restricted Choice Units (Level G or PG)

Semester 2

Information Systems Management PG (7109)

Systems Project and Quality Management G (6678)

Two Restricted Choice Units (Level PG)

Year 3

Semester 1

IT and Business Alignment PG (6683)

Information Security PG (6682)

Technology Capstone Research Project PG (11522)

Standard Part Time, Semester 1 Commencing

Year 1

Semester 1

Introduction to Information Technology G (8936)

Professional Practice in IT G (6676)

Semester 2

Inf. Sc. Research Methodology PG (6797)

Technological Innovation and Entrepreneurship G (11530)

Year 2

Semester 1

Systems Analysis and Modelling G (6677)

Specialisation Unit

Semester 2

Systems Project and Quality Management G (6678)

Specialisation Unit

Year 3

Semester 1

IT and Business Alignment PG (6683)

Information Security PG (6682)

Semester 2

Information Systems Management PG (7109)

Specialisation Unit

Year 4

Semester 1

Two Specialisation Units

Semester 2

Technology Capstone Research Project PG (11522)

Standard Part Time, Semester 2 Commencing

Year 1

Semester 2

Introduction to Information Technology G (8936)

Professional Practice in IT G (6676)

Year 2

Semester 1

Inf. Sc. Research Methodology PG (6797)

Technological Innovation and Entrepreneurship G (11530)

Semester 2

Systems Analysis and Modelling G (6677)

Specialisation Unit

Year 3

Semester 1

Systems Project and Quality Management G (6678)

Specialisation Unit

Semester 2

Information Systems Management PG (7109)

Specialisation Unit

Year 4

Semester 1

IT and Business Alignment PG (6683)

Information Security PG (6682)

Semester 2

Two Specialisation Units

Year 5

Semester 1

Technology Capstone Research Project PG (11522)

Course information

Course duration

Standard 2 years full time or part-time equivalent. Maximum 6 years from date of enrolment to date of course completion.

Learning outcomes

Learning outcomes	Related graduate attributes
Analyse, interpret and synthesise complex problems, solutions, concepts or theories in information technology and systems 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; 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; take pride in their professional and personal integrity. UC graduates are global citizens: Understand issues in their profession from the perspective of other cultures; communicate effectively in diverse cultural and social settings; 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; be self-aware; adapt to complexity, ambiguity and change by being flexible and keen to engage with new ideas; evaluate and adopt new technology.
Achieve expertise in a key area of information technology and systems, with superior ethical and social skills and competencies in problem solving, and a sound fundamental understanding of the principles and methods of business informatics.	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; take pride in their professional and personal integrity. UC graduates are global citizens: Understand issues in their profession from the perspective of other cultures; communicate effectively in diverse cultural and social settings; 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; be self-aware; adapt to complexity, ambiguity and

	change by being flexible and keen to engage with new ideas; evaluate and adopt new technology.
Navigate in an increasingly complex global technological innovation environment, with legal, ethical, economic and business-related challenges, in a fast-changing field.	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; take pride in their professional and personal integrity. UC graduates are global citizens: Think globally about issues in their profession; adopt an informed and balanced approach across professional and international boundaries; understand issues in their profession from the perspective of other cultures; communicate effectively in diverse cultural and social settings; make creative use of technology in their learning and professional lives; 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; be self-aware; adapt to complexity, ambiguity and change by being flexible and keen to engage with new ideas; 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.

Establish deep knowledge base in information technology and systems discipline, to facilitate effective communication with those involved in the ITS industry and acquire the skills necessary to operationally manage and coordinate IT systems within the ITS industry.	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.
Use professional skills and knowledge in the systematic development of complex information technologies and systems and apply their skills and knowledge in a professionally responsible manner.	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.

Awards

Award	Official abbreviation

Master of Business Informatics	M BusInformatics
Master of Business Informatics in Cloud Computing	M BusInformatics CloudComp
Master of Business Informatics in Project Management	M BusInformatics ProjectMgt
Master of Business Informatics in Social Informatics	M BusInformatics SocInformatics
Master of Business Informatics in Cybersecurity	M BusInformatics Cybersecurity
Master of Business Informatics in Data Science	M BusInformatics DataSc

Alternative exits

Alternative exits:

841AA Graduate Certificate in Business Informatics

844AA Graduate Diploma in Business Informatics

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

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UC acknowledges the Ngunnawal people, traditional custodians of the lands where Bruce campus is situated. We wish to acknowledge and respect their continuing culture and the contribution they make to the life of Canberra and the region. We also acknowledge all other First Nations Peoples on whose lands we gather.