UNIVERSITY OF CANBERRA

Honours in Information Sciences (860AA.2)

Please note these are the 2021 details for this course

Domestic students

Selection rank	N/A
Delivery mode	On campus
Location	Bruce, Canberra
Duration	1.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Technology
UAC code	
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	1.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Technology
CRICOS code	054169F
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

Take IT to the next level

If you are interested in high-level research training which focuses on IT and engineering, then our Honours in Information Sciences course is aimed at you. Under the professional guidance of an expert supervisory panel, you will be introduced to research methodology, learn how to frame a research proposal and then prepare a formal thesis to be presented in seminar-form at the end of your study.

Upon graduation, you will have a range of career and study choices available to you, such as pursuing a master's or PhD in research, or entering the workforce as a job-ready project manager, web application developer, network security engineer or software engineer.

Study an Honours in Information Sciences at UC and you will:

- research articles and formulate research topics in your related study field
- develop research plans, including reviewing literature and researching question formalisation and methodology
- discuss research issues and apply the appropriate theoretical frameworks to research problems
- critique research methodologies and identify the latest developments in your relevant field
- prepare an information sciences research proposal and complete an ICT honours thesis.

Work Integrated Learning

Work Integrated Learning (WIL) is heavily embedded in both the coursework and thesis components of your course. A large proportion of your study will be practice-based and, during your research project, you will be closely mentored by a supervisory panel made up of industry professionals at the forefront of their field. You will also be encouraged to tailor your studies to suit either your previous employment experience or future career ambitions.

Career opportunities

- Researcher
- Software engineer
- Network engineer
- Web application developer
- Network security engineer
- Software and hardware programmer
- Network and systems administrator
- IT project manager
- IoT (Internet of Things) specialist
- ICT security engineer
- Software and network engineering consultant
- Artificial intelligence and machine learning engineer

Course-specific information

To be eligible for admission, applicants must:

- have completed a bachelor's degree in the areas of Information Technology, Engineering, Business Informatics or Software Engineering within the previous two years; and
- have achieved the academic performance of Credit average or better over the last two years of the bachelor's degree; and
- be able to submit a satisfactory preliminary research proposal.

Admission requirements

To be eligible for admission, the applicants must

- have completed a Bachelor degree in an area of Information Technology and Engineering, for example, Bachelor of Business Informatics, Bachelor of Information Technology, Bachelor of Software Engineering, and Bachelor of Engineering etc., within the previous two years; and

- have achieved the academic performance of credit average or better over the last two years of the Bachelor degree,; and

- be able to submit a satisfactory preliminary research proposal.

Additional admission requirements

All applicants must submit the Honours Supplementary Form, which will provided for completion after the submission of an application for admission.

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

Honours in Information Sciences (860AA) | 24 credit points

Required Units - Must pass 24 credit points as follows

Expand All | Collapse All

Inf. Sc. Research Proposal H (6799) | 3 credit points — Level H

ICT and Engineering Research Methods (9826) | 3 credit points — Level 4

ICT Honours Thesis (Part A) H (6cp) (9827) | 0 credit points — Level H

ICT Honours Thesis (Part B) H (12cp) (9828) | 18 credit points — Level H

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

Research Semester 1

ICT Honours Thesis (Part A) H (6cp) (9827)

ICT and Engineering Research Methods (9826)

Inf. Sc. Research Proposal H (6799)

Research Semester 2

ICT Honours Thesis (Part B) H (12cp) (9828)

Course information

Course duration

Standard 2-semesters full-time or equivalent. Maximum four semesters.

Learning outcomes

Learning outcomes	Related graduate attributes
Knowledge and skills of the cutting edge development in the information technology (IT) industry and application of the knowledge and skills to real life IT systems and their business environments, policies, and management, independently and/or work in a team.	Analysis and enquiry; Working independently and with others.
Solid foundation the relevant theories and the basic principles in IT fields, including business, information systems, system analysis and modelling, system administration, security, networking, software development, and artificial intelligence etc;	Analysis and enquiry; Personal attributes: critical thinking, reflective practice, thriving in an environment of change.
Knowledge, skills, understanding and application of the investigation, analysis, and synthesis to IT systems and their business environments, policies, and management with a high level of professional ethics, responsibilities, values and standards.	Analysis and enquiry; Problem solving; Professionalism and social responsibility; Personal attributes: critical thinking, reflective practice, thriving in an environment of change.
Communication skills in listening, reading, speaking, explaining, teaching, and writing from and to audiences of different backgrounds and papers of different scops and levels.	Professionalism and social responsibility; Communication; Problem solving; Working independently and with others.
Expertise and skills to critique, synthesise and apply new development, skills, knowledge, and standards in the IT fields to real world IT systems, with respect to their business environments, policies, and management.	Analysis and enquiry; Problem solving;

	Personal attributes: critical thinking, reflective practice, thriving in an environment of change.
Expertise and skills in research to test established theories against a body of knowledge in IT fields; expertise and skills in designing and testing hypothesis for problem solving and conducting research; expertise and skills in contributing new knowledge and skills to the IT fields; and ability to contribute new knowledge to fields.	Analysis and enquiry; Problem solving; Personal attributes: critical thinking, reflective practice, thriving in an environment of change.

Awards

Award	Official abbreviation
Bachelor of Software Engineering (Honours)	BSE (Hons)
Bachelor of Information Technology (Honours)	BIT (Hons)
Bachelor of Business Informatics (Honours)	B BusInformatics(Hons)

Honours

The Honours merit is based on the grades of First Class, Second Class (divided into two divisions) or Third Class. Grades are determined as follows:

- First Class Honours (H1, achieved 85-100% on total assessment)
- Second Class Honours - Division I (H2A, achieved 75-84% on total assessment)
- Second Class Honours - Division II (H2B, achieved 65-74% on total assessment)
- Third Class Honours (H3, achieved 50-64% on total assessment)

Enquiries

Student category	Contact details
Prospective Domestic	Email study@canberra.edu.au or Phone 1800 UNI CAN (1800 864 226)

Students	
Prospective International Students	Email international@canberra.edu.au or Phone +61 2 6201 5342
Current and Commencing Students	Please contact the University Student Centre by Email student.centre@canberra.edu.au or Phone 1300 301 727

Download your course guide

Scholarships

Find the scholarship that's the right fit for you

Explore Scholarships

University of Canberra, Bruce ACT 2617 Australia

+61 2 6201 5111

ABN 81 633 873 422

CRICOS 00212K

TEQSA Provider ID: PRV12003 (Australian University)

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.