Diploma of Network and Software Engineering (353JA.1)

Please note these are the 2019 details for this course

Domestic students

Selection rank	
Delivery mode	On campus
Location	UCC Bruce Campus
Duration	1.0 years
Faculty	Faculty of Science and Technology
Discipline	School of Information Technology & Systems
UAC code	
English language requirements	International students must have an academic IELTS or equivalent of 6.0. Students who have undertaken all of their education in an English speaking country (as defined on UC website) are deemed to have met our English language proficiency requirements. View IELTS equivalences

International students

Selection rank	
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	UCC Bruce Campus
Duration	1.0 years
Faculty	Faculty of Science and Technology
Discipline	School of Information Technology & Systems

CRICOS code	090070G
English language requirements	International students must have an academic IELTS or equivalent of 6.0. Students who have undertaken all of their education in an English speaking country (as defined on UC website) are deemed to have met our English language proficiency requirements. View IELTS equivalences

About this course

The Diploma develops the expertise and skills that students need to confidently enter and contribute to the engineering industry leading to a career as a contributing team member in engineering industry. Diploma graduates will have direct entry into the second year of the Bachelor of Engineering in Network and Software Engineering (Honours) and Bachelor of Software Engineering at the University of Canberra.

Admission requirements

It is assumed that applicants have completed the mathematics unit as part of their year 12 studies:

Assumed knowledge

It is assumed that applicants have completed the mathematics unit as part of their high school studies:

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

Diploma of Network and Software Engineering (353JA) | 24 credit points

Required - Must pass 24 credit points as follows

Expand All | Collapse All

- Software Technology 1 (4483) | 3 credit points — Level 1
- Introduction to Software Engineering (5531) | 3 credit points — Level 1
- Database Design (5915) | 3 credit points — Level 1
- Discrete Mathematics (6698) | 3 credit points — Level 1
- Engineering Management 2A (8228) | 3 credit points — Level 2
- Introduction to Network Engineering (8741) | 3 credit points — Level 2
- Engineering Mathematics (10087) | 3 credit points — Level 1
- Engineering Mathematics Fundamentals (10117) | 3 credit points — Level 1

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 - University of Canberra College, Bruce

Standard Full Time, Trimester 2 Commencing

Year 1

UCC Trimester 1

Engineering Mathematics Fundamentals (10117)

Introduction to Software Engineering (5531)

UCC Trimester 2

Database Design (5915)

Engineering Mathematics (10087)

Introduction to Network Engineering (8741)

UCC Trimester 3

Discrete Mathematics (6698)

Engineering Management 2A (8228)

Software Technology 1 (4483)

Course information

Course duration

Standard 3 trimester full time or equivalent. Maximum 8 trimesters.

Learning outcomes

Learning outcomes	Related graduate attributes
Demonstrate knowledge of the underpinning mathematics, computer and information fundaments applicable to the engineering discipline;	Knowledge: comprehensive, theory based understanding of the underpinning sciences and engineering fundamentals.
Use engineering principles in the solution of technological problems in the field of information engineering	Problem solving: ability to apply problem¿solving processes in novel situations; identify, analyse problems then formulate, implement solutions.

Demonstrate a basic understanding of the professional engineering environment including fundaments of team working skills, leadership, professional communication, and engineering workplace ethics, responsibilities and sustainability;	Professionalism and social responsibility: capacity and intention to use professional knowledge and skills ethically and responsibly, for the benefit of others and the environment..
Apply systematic approaches to the conduct and management of basic engineering projects;	Working independently and with others: ability to plan own work, be self¿directed, and use interpersonal skills and attitudes to work collaboratively.
Communicate in oral and written form to professional and wider audiences;	Communication: ability to present knowledge, ideas and opinions effectively and communicate within and across professional and cultural boundaries.
Demonstrate the ability to apply the knowledge and skills acquired during the course to basic engineering projects and to establish professional development plans, key for lifelong learning;	Application of Knowledge and skills: Lifelong learning and personal attributes applicable to the evolving technological world.

Awards

Award	Official abbreviation
Diploma of Network and Software Engineering	DipNetwork&SE

Honours

None.

Enquiries

Student category	Contact details
Prospective International Students:	Email international@canberra.edu.au or Phone +61 2 6201 5342
Prospective Domestic Students	Email study@canberra.edu.au or Phone 1800 UNI CAN (1800 864 226)
Current and Commencing Students	Please contact University of Canberra College, Phone +61 2 6201 2961 or Email college.info@canberra.edu.au

Download your course guide

Scholarships

Find the scholarship that's the right fit for you

Explore Scholarships

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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.