UNIVERSITY OF CANBERRA

Master of Building and Construction Information Management (ABM101.2)

Please note these are the 2026 details for this course

Domestic students

Selection rank	PG
Delivery mode	On campus
Location	Bruce, Canberra
Duration	2.0 years
Faculty	Faculty of Arts and Design
Discipline	School of Design and the Built Environment
UAC code	880610
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 Arts and Design
Discipline	School of Design and the Built Environment
CRICOS code	108073H
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 BIM theory to unlock the future of construction

Unleash the endless possibilities of superior design integration, construction, and project management approaches with UC's Master of Building and Construction Information Management (M-BCIM).

Crafted specifically for architects, building practitioners, construction engineers, project managers and built environment researchers, you'll learn the fundamental theories of Building Information Modelling (BIM), use BIM technology-oriented resources, and strengthen your modelling, management, simulation and analysis skills. Building upon your foundational knowledge, you'll master the blueprint of construction innovation to become robust, adaptable and lead with the backing of advanced BIM research.

Be at the forefront of technological advancements in the digital built environment, with access to study topics such as virtual reality (VR), augmented reality (AR), digital twin laser scanning, and artificial intelligence (AI). UC's focus on practical, real-world learning will connect you to industry, with state-of-the-art facilities that will ensure your skills are mastered upon graduation. Situated in Canberra, a city thriving with infrastructure expansion, now is the perfect time to take advantage of UC's unique master's degree in construction management.

Study a Master of Building and Construction Information Management at UC, and you will:

- Learn how to use data from various fields to adjust BIM workflows in built environment enterprises.
- Design and implement digital 3D modelling and strategies appropriate to the design and construction phases of the built environment project lifecycle.
- Develop critical thinking, leadership, collaboration and problem-solving skills and apply these skills to strategic decision-making in BIM adoption and implementation.
- Recognise and explain how procurement, contracts and laws affect BIM processes.
- Develop academic research skills to analyse relevant literature and use ethical research methods.
- Conduct research and development into the technical and managerial practices used in construction projects and apply a range of BIM workflows to different scenarios.
- Gain specialised knowledge of BIM applications and processes and appropriately apply this knowledge to a range of BIM-based construction management practices.
- Adapt and apply various emerging digital technologies to solve complex problems within the modern built environment.

State-of-the-art facilities

Gain an immersive advantage in the cutting-edge realm of UC's start-of-the-art BIM Hub. As the first of its kind in Australia for digital transformation, you'll have access to engage and utilise VR and AR technologies to propel your existing knowledge and skills and expand your career possibilities.

Career opportunities

- BIM Manager
- BIM Engineer
- Senior Architect
- Project Manager
- Project Engineer
- Civil Engineer
- Construction Manager
- Construction Engineer
- Director

Course-specific information

BIM Hub is the dedicated state-of-the-art facility including high-spec computers, 3D laser scanner, drone, VR and AR equipment and the full package of digital tools and software for the course's workshops and tutorials.

Admission requirements

Completed tertiary undergraduate qualification in a relevant discipline (architecture, built environment, building and construction

engineering and management, project management and civil engineering disciplines), as approved by the University.

The University of Canberra is a strong supporter of lifelong education and recognises that not everyone comes into university through traditional pathways. For example, we know that often people with significant industry experience are excellent students who gain a lot from completing our courses.

If you do not hold a Bachelor degree in a relevant discipline, we may consider your previous related work experience through Recognition of Prior Learning (RPL). RPL enables admissions based on learning derived from work experience or a combination of qualification and work experience. The amount of work experience required will depend on your previous qualifications, ranging from 4 years (for example, if you have a TAFE advanced diploma) to 10 years if your highest qualification is a Year 12 certificate.

In general, the following documentation is required as part of the RPL assessment. Please contact FAD.Student@canberra.edu.au if you'd like to speak to someone about your eligibility.
- an employer's letter validating work experience
- examples of work, training certificates and course outlines
- documented professional qualifications.

Additional admission requirements

The applicants for the flexible and fully online modes of the program are required to have a functional computer to apply BIM software packages and tools.

Assumed knowledge

None.

Periods course is open for new admissions

Year	Location	Teaching period	Teaching start date	Domestic	International
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

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

Master of Building and Construction Information Management (ABM101) | 48 credit points

Required - Must pass 45 credit points as follows

Expand All | Collapse All

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

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

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

Introduction to Building Information Modelling G (11805) | 3 credit points — Level G

Integrated Construction Procurement G (11806) | 3 credit points — Level G

Integrated Project Management G (11807) | 3 credit points — Level G

Building Information Modelling Technology G (11808) | 3 credit points — Level G

Built Environment Research Methods PG (11809) | 3 credit points — Level P

Advanced Topics in Building and Construction Information Management PG (11810) | 3 credit points — Level P

Built Environment Professional Thesis 1 (6CP) PG (11811) | 6 credit points — Level P

Building Information Modelling Management PG (11812) | 3 credit points — Level P

Built Environment Professional Thesis 2 (6CP) PG (11813) | 6 credit points — Level P

Building, Technology & Innovation PG (11987) | 3 credit points — Level P

Restricted Choice - Must pass 3 credit points from the following

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

Contract Administration G (12147) | 3 credit points — Level G

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

Integrated Construction Procurement G (11806)

Introduction to Building Information Modelling G (11805)

Introduction to Data Science G (11516)

Technological Innovation and Entrepreneurship G (11530)

Semester 2

Building Information Modelling Technology G (11808)

Building, Technology & Innovation PG (11987)

Built Environment Research Methods PG (11809)

Integrated Project Management G (11807)

Year 2

Semester 1

Restricted Choice Unit

Advanced Topics in Building and Construction Information Management PG (11810)

Built Environment Professional Thesis 1 (6CP) PG (11811)

Semester 2

Building Information Modelling Management PG (11812)

Built Environment Professional Thesis 2 (6CP) PG (11813)

Management Information Systems G (9503)

Standard Full Time, Semester 2 Commencing

Year 1

Semester 2

Building Information Modelling Technology G (11808)

Building, Technology & Innovation PG (11987)

Built Environment Research Methods PG (11809)

Integrated Project Management G (11807)

Year 2

Semester 1

Integrated Construction Procurement G (11806)

Introduction to Building Information Modelling G (11805)

Introduction to Data Science G (11516)

Technological Innovation and Entrepreneurship G (11530)

Semester 2

Building Information Modelling Management PG (11812)

Built Environment Professional Thesis 1 (6CP) PG (11811)

Management Information Systems G (9503)

Year 3

Semester 1

Restricted Choice Unit

Advanced Topics in Building and Construction Information Management PG (11810)

Built Environment Professional Thesis 2 (6CP) PG (11813)

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
Design and implement digital nD modelling and strategies appropriate to the design and construction phases of the built environment project lifecycle.	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; 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; evaluate and adopt new technology. UC graduates are able to demonstrate Aboriginal and Torres Strait Islander ways of knowing, being and doing: Use local Indigenous histories and traditional ecological knowledge to develop and augment understanding of their discipline; apply their knowledge to working with Indigenous Australians in socially just ways.
Identify procurement, contractual and legal requirements and explain their implications for BIM processes and implementation.	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; 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; evaluate and adopt new technology. UC graduates are able to demonstrate Aboriginal and Torres Strait Islander ways of knowing, being and doing: Use local Indigenous histories and traditional ecological knowledge to develop and augment understanding of their discipline; apply their knowledge to working with Indigenous Australians in socially just ways.
Integrate cross disciplinary data and information to adapt the BIM workflows of built environment enterprises.	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; 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.
Adapt and apply various emerging digital technologies to solve complex problems within the modern built environment.	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; 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; evaluate and adopt new technology.
Develop and apply academic research skills to critically analysis relevant literature and to employ appropriate and ethical research methodologies.	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. UC graduates are global citizens: Adopt an informed and balanced approach across professional and international boundaries; 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; adapt to complexity, ambiguity and change by being flexible and keen to engage with new ideas; evaluate and adopt new technology. UC graduates are able to demonstrate Aboriginal and Torres Strait Islander ways of knowing, being and doing: Use local Indigenous histories and traditional ecological

	knowledge to develop and augment understanding of their discipline.
Develop specialised knowledge of BIM applications and processes and appropriately apply this knowledge to a range of BIM-based construction management practices.	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. UC graduates are able to demonstrate Aboriginal and Torres Strait Islander ways of knowing, being and doing: Use local Indigenous histories and traditional ecological knowledge to develop and augment understanding of their discipline; apply their knowledge to working with Indigenous Australians in socially just ways.
Develop critical thinking, leadership, collaboration and problem-solving skills and apply these skills to strategic decision making in BIM adoption and implementation.	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. 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; 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; evaluate and adopt new technology. UC graduates are able to demonstrate Aboriginal and Torres Strait Islander ways of knowing, being and doing: Use local Indigenous histories and traditional ecological knowledge to develop and augment understanding of their discipline; apply their knowledge to working with Indigenous Australians in socially just ways.
Conduct research and development into the technical and managerial practices used in construction projects and apply a range of BIM workflows to different scenarios.	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. UC graduates are global citizens: Adopt an informed and balanced approach across professional and international boundaries; 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; adapt to complexity, ambiguity and change by being flexible and keen to engage with new ideas; evaluate and adopt new technology. UC graduates are able to demonstrate Aboriginal and Torres Strait Islander ways of knowing, being and doing: Use local Indigenous histories and traditional ecological knowledge to develop and augment understanding of their discipline.

Awards

Award	Official abbreviation
Master of Building and Construction Information Management	M Bldg&ConstrInfMgt

Alternative exits

Exit points:

ABC101 Graduate Certificate in Building and Construction Information Management
ABG101 Graduate Diploma in Building and Construction Information Management

Enquiries

Student category	Contact details
Prospective International Students:	Email international@canberra.edu.au or Phone +61 2 6201 5342
Current and Commencing Students:	Email FAD.Student@canberra.edu.au or Phone 1300 301 727
Prospective Domestic Students:	Email study@canberra.edu.au or Phone 1800 UNI CAN (1800 864 226)

Download your course guide

Scholarships

Find the scholarship that's the right fit for you

Explore Scholarships

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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.