

Bachelor of Artificial Intelligence

Undergraduate



Course overview

Deakin's Bachelor of Artificial Intelligence equips you with the knowledge and skills to design, develop and evolve software solutions that harness the latest advances in artificial intelligence (AI). Get hands-on experience developing AI-driven software solutions with the support of academics who are leaders in this emerging field. Our world-class research in AI feeds directly into our classrooms, ensuring what you learn is at the cutting edge of industry expectations and capabilities.

You will have access to state-of-the-art facilities and fully equipped computer labs, with the latest software and technologies to ensure you graduate with the specialist knowledge to design and build the intelligent machines and software of our future.

To further enhance your industry readiness, a minimum of 100 hours of professional experience will allow you to work side-by-side with experienced AI specialists.

Course accreditation

The Bachelor of Artificial Intelligence is professionally accredited by the Australian Computer Society (ACS), providing international recognition and graduate eligibility for membership of the ACS.

Professional industry experience

As an AI student, you will undertake a core industry-based placement unit as part of your course, which involves a minimum of 100 hours with an approved organisation. An industry-based placement will enable you to experience a professional work environment, develop professional networks and explore career opportunities before you graduate.

For more information, please visit deakin.edu.au/sebe/wil.

Course structure

Bachelor of Artificial Intelligence

Location: Melbourne Burwood Campus and Cloud Campus

Duration: 3 years full-time study (or part-time equivalent)

Intake: March (Trimester 1), July (Trimester 2)

Deakin code: S308

ATAR score: 65.30 N/A¹

VTAC code: Melbourne Burwood Campus (1400510621), Cloud Campus (1400610621)

The Bachelor of Artificial Intelligence consists of 24 credit points of study, which must include the following:

- 20 core units (totalling 20 credit points)
- 4 credit points of elective units

Select from a range of elective units offered across many courses. In some cases you may even be able to choose elective units from a completely different discipline area (subject to meeting unit requirements).

You will also complete three zero credit point units relating to work placement, safety and academic integrity.

Please visit deakin.edu.au/handbook for more information about this course, including further details of the course structure and units involved.

Specialised facilities

Experiential learning and practical exposure to the latest technology in modern facilities is a key feature of Deakin's Artificial Intelligence courses.

In our regularly updated facilities and fully equipped computer labs, you will access the latest software and technologies along with enthusiastic and experienced staff. Our Robotics and Internet of Things (RIoT) studio has the latest in computing, robotics and cyber-physical systems. You will also have access to current state-of-the-art professional software products, such as programming IDEs, VR and content development systems.

Find out more at deakin.edu.au/it-facilities.

¹ Lowest selection rank of an applicant to which an offer was made in 2020.

deakin.edu.au/course/S308



Capstone DISCOVERY Lab

In your final year you can look forward to taking part in Deakin's Capstone program. This program allows students to culminate academic and intellectual experiences through the design and execution of a real-world industry project. Students in their final year will have access to the Capstone DISCOVERY Lab at Burwood, a purpose-built ideation and creative lab that aims to bring students together in a professional style co-working space. Facilities include state-of-the-art video-conferencing, room-scale VR lab, high-end GPU workstations, and co-location next to the School's LaunchPad incubator.

Career opportunities

AI offers an exciting future for students as more industries spend time and money on improving what they do through learned behaviour and operating efficiencies. However, this is the tip of the iceberg and many more challenging, real-world problems remain to be solved.

The demand for intelligent systems such as driverless cars and smart digital assistants requires skilled AI professionals to develop and implement them. The number of jobs emerging in the AI space is increasing each year and will enable productivity increases for most industries across the globe.

Graduates will have specialist knowledge and be equipped to work on the design, development and operation of AI-driven software solutions, across a broad range of industry sectors. You may find employment opportunities in roles such as:

- machine learning engineer
- AI product manager
- data scientist
- AI engineer
- AI technology software engineer
- computer vision engineer
- data analyst
- AI ethicist
- AI architect.

Interested in applying?

Entry requirements

Entry for applicants with recent secondary education* will be based on their performance in a Senior Secondary Certificate of Education, with pre-requisite units 3 and 4; a study score of at least 25 in English EAL (English as an additional language) or 20 in English other than EAL, and a study score of at least 20 in one of Maths: Mathematical Methods (any) or Maths: Specialist Mathematics.

Entry for applicants with previous Tertiary, VET, life or work experience: Prerequisites of English and mathematics as for year 12 school leavers (or equivalent). Entry will be based on their performance in:

- a Certificate IV in a related discipline OR
- a Diploma in any discipline or 50% completion of a Diploma in a related discipline OR
- successful completion of relevant study at an accredited higher education institution equivalent to at least two Deakin University units OR
- other evidence of academic capability judged to be equivalent for example relevant work or life experience.

How to apply

Depending on your course, our flexible trimester system means you may be able to start in Trimester 1 (March), 2 (July) or 3 (November).

If you're currently enrolled in Year 12 or a recent secondary applicant (i.e. have completed Year 12 in the past two years) your application for Trimester 1 must be made through VTAC, www.vtac.edu.au. Note that when you apply via VTAC, you can't also apply directly to Deakin.

Conversely, if you have previous higher education, VET or work experience, you can apply directly to Deakin.

Applications for Trimester 2 or 3 should be made directly to Deakin via the applicant portal, deakin.edu.au/apply.

* Includes those currently enrolled in Year 12 and those who have completed Year 12 in the past two years.

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myfuture@deakin.edu.au

deakin.edu.au/course/S308

While the information provided here was correct at the time of publication, Deakin University reserves the right to alter, amend or delete details of the course and unit offerings. Last updated June 2020.

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