

Master of Applied Artificial Intelligence (Professional)

Postgraduate



Course overview

Artificial intelligence is driving digital disruption, with new technology helping redefine many industries. Many companies are looking to take advantage of recent advances in artificial intelligence, which is creating a large demand for skilled professionals.

Deakin's Master of Applied Artificial Intelligence (Professional) will equip you with specialist knowledge and skills necessary to design and develop advanced software solutions that harness the latest advances in artificial intelligence (AI).

The Master of Applied Artificial Intelligence (Professional) extends the Master of Applied Artificial Intelligence by providing students with the opportunity to further their knowledge by undertaking industry-based learning, or engaging in an in-depth research project under the supervision of our internationally-recognised research staff.

Course structure

Master of Applied Artificial Intelligence (Professional)

Location: Geelong Waurn Ponds Campus  and Cloud Campus 

Duration: 2 years full-time or part-time equivalent

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

Deakin code: S737

The course comprises a total of 16 credit points (cp), which must include the following:

- 10 credit points of core units
- 2 credit points of elective units
- 4 credit points from one of:
 - Professional Practice (4cp), or
 - Research Project A (2cp) and Research Project B (2cp), or
 - Research Project A (2cp) and 2 credit points of SIT elective units (2cp), or
 - Research and Development in IT (1 cp), and 3 credit points of SIT elective units (3cp).

You will also complete one zero credit point unit relating to academic integrity.

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

Introductory Artificial Intelligence Studies

Machine Learning
Mathematics for Artificial Intelligence
Analytics for Security and Privacy
Plus one SIT elective

Mastery Applied Artificial Intelligence Studies

Deep Learning
Reinforcement Learning
Human Aligned Artificial Intelligence
Applications of Computer Vision and Speech Processing
Engineering AI Solutions
Team Project (A) - Project Management and Practices
Team Project (B) - Execution and Delivery
Plus one SIT elective

Professional Studies

Professional Practice OR
Research Project A and Research Project B OR
Research Project A plus 2 SIT credit points of elective units OR
Research and Development in Information Technology plus 3 credit points of SIT elective units

deakin.edu.au/course/S737





Master of Artificial Intelligence

Deakin also offers a Master of Applied Artificial Intelligence. Depending on your prior experience, this degree comprises 8, 12 or 16 credit points. The Master of Applied Artificial Intelligence includes a Fundamental Information Technology Studies stream and the 16 credit point program is suitable for those without an information technology background.

To find out more please visit: deakin.edu.au/course/S736.

Learn from experts

While studying AI at Deakin, you will learn from expert researchers at Deakin University's Applied Artificial Intelligence Institute (A²I²), who are pushing the boundaries of how humans work in partnership with artificial intelligence. The \$33 million institute partners with industry to drive the development of human-in-the-loop AI and AI experimentation, with a focus on training the next generation for jobs of the future.

Specialised facilities

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.

Why study at Deakin University?

Deakin is ranked in the top 1% of universities worldwide according to Shanghai Rankings World University Rankings 2019. This rating indicates world-class facilities, research and teaching, as well as employability, innovation and inclusiveness.

As a multi-award winning and internationally recognised university, we offer students a first-rate learning experience. We are known for being accessible, accomplished and friendly – and we are dedicated to giving our students the best start in their chosen careers.

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 require 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 the 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 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 will be based on performance in:

- Bachelor degree in related discipline, OR;
- a Bachelor degree or higher in any discipline plus two years of relevant work experience (or part-time equivalent), OR;
- Graduate Certificate of Information Technology or equivalent, OR;
- evidence of academic capability judged to be equivalent.

How to apply

Applications can be made online via deakin.edu.au/apply.

For more information about entry requirements, submitting an application or the application process, please visit deakin.edu.au/courses/how-to-apply.

1800 MYFUTURE (1800 693 888)
myfuture@deakin.edu.au

deakin.edu.au/course/S737

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. Printed September 2020.

APPLY NOW