



TORRENS
UNIVERSITY
AUSTRALIA

Billy Blue
College of Design

Associate Degree of Software Engineering (Artificial Intelligence)

This qualification was developed to address industry demand for developers with skills that encompass machine learning, computer vision and natural language processing and speech recognition.

The specialised topics in AI are a branch of artificial intelligence based on the idea that systems can learn from data to identify patterns and make decisions with minimal human intervention. AI is used as a confluence in Natural Language Processing (with linguistics), speech recognition (also linguistics), computer vision (graphics & image processing), data mining and visualisation (graphics & image processing).

The course also embeds ethics, social responsibility and cognitive psychology, adding desired skills to the profession of software engineering, which are increasingly a mainstay in the profession.

Associate Degree of Software Engineering (AI)

2 Years
16 Subjects

Bachelor Degree of Software Engineering (AI)

1 Year
8 Subjects

CRICOS Code: 102267B

Intake dates

Feb, Jun, Sept

Duration

2 years

Total Tuition Fees

\$60,000

Locations

Melbourne, Sydney, Online

Entry and English requirements

- Australian Year 12 or equivalent; and
- Academic IELTS 6.0 (no band less than 5.5) or equivalent.

Career outcomes

- Junior Data Scientist/ Analyst
- Generalist C++ Programmer
- Junior/Associate Software Engineer
- Junior Software Developer
- Junior Computer Vision Engineer
- Software Developer
- Software Tester



Course structure

The course structure comprises 10 core, 4 specialisation and 2 elective subjects over 2 years. Students must complete all core & specialisation subjects, listed below. To find out which electives you can take with this course, visit our Student Hub.

Year 1

- Maths 1
- Introduction to Software Engineering
- Concepts in Artificial Intelligence (Specialisation)
- Algorithms & Data Structures
- Microservices Architecture
- Probabilities & Statistics (Specialisation)
- Introduction to Computer Graphics

Year 2

- Introduction to Data Science
- Applications of Artificial Intelligence (Specialisation)
- Networking & Database Systems
- Classification & Regression (Specialisation)
- Project Based Learning Studio: Technology
- Human Centred Design
- Creative Enterprises

At Torrens University Australia, you can:

- Start your course at multiple points throughout the year
- Be supported at every step of your learning experience, giving you the best possible opportunity to succeed
- Explore the opportunity to study across our campuses in Adelaide, Brisbane, Melbourne & Sydney. Why not try them all?
- Experience a modern education in a contemporary, technology enriched learning environment designed to deliver the education you need

How to apply

Please send all documentation to
intadmissions@laureate.net.au

For more information

Please contact your agent, or contact us at
study@laureate.edu.au
torrens.edu.au/international

Developed in partnership with:



Course deposit payment can be made by calling (02) 8588 4703 with a Visa or Mastercard.

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