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Bachelor of Software Engineering - Plan BP096P23

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You're viewing program information for local students.

RMIT considers you a local student if you are:

- a citizen or permanent resident of Australia, or
- a New Zealand citizen, or

- a person seeking asylum who holds either a: Temporary Protection Visa (TPV), or Safe Haven Enterprise Visa (SHEV) or Bridging Visa E or Humanitarian Stay (Temporary) visa or Temporary Humanitarian Concern Visa.

Asylum seekers who reside in Australia and study onshore are required to pay international onshore tuition fees for higher education courses.

If you are unsure or hold a different visa type, please contact Study@RMIT for more information.

Not a local student?

Switch to international content

You're viewing program information for international students.

RMIT considers you an international student if you are:

- intending to study on a student visa, or
- not a citizen or permanent resident of Australia, or
- not a New Zealand citizen, or
- not a person seeking asylum who holds either a: Temporary Protection Visa (TPV), or Safe Haven Enterprise Visa (SHEV) or Bridging Visa E or Humanitarian Stay (Temporary) visa or Temporary Humanitarian Concern Visa.

If you are unsure or hold a different visa type, please contact Study@RMIT for more information.

Not an international student?

Switch to local content

Student type:

Domestic

International

Entry score:

ATAR 82.00*

Duration:

Full-time 4 years

Fees:

Commonwealth Supported Places

Next intake:

February, July

Location:

Melbourne City

Entry score:

See admissions

Duration:

Full-time 4 years

Fees:

AU\$43,200 (2026 annual)

Next intake:

February, July

Location:

Melbourne City

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CRICOS code: 110799G

To graduate you must complete the following: Note: All courses listed may not be available each semester

You must complete a total of 384 credit points (i.e.: Twenty two 12 credit point courses, Two 24 credit point courses, and two 36 credit point courses) as follows:

- Two (2) STEM Future Technology Skills courses (24 credit points); and
- Fourteen (14) Core courses comprising two 24CP-courses and ten 12CP-courses (totalling 192 credit points); and
- One (1) Capstone course (24 credit points);
- 96 credit points comprising internship courses, and
- 48 credit points (e.g. four 12 credit point Software Engineering Option courses) from one of the following possible Combinations:

Combination 1: Complete Four (4) courses from one of the Software Engineering Minors; or

Combination 2: Complete Four (4) Software Engineering Option Courses; or

Combination 3: Complete 48 credit points of University Electives.

Software Engineering Option courses mean all courses listed within each Software Engineering Minor.

University Electives can include any Software Engineering Option course, or any other course on the University Electives website.

Rules on completion of Minors:

- A minor is typically 48 credit points.
- A maximum of one (1) Minor can be completed in this program.

Please note, a course can only be counted once in your program. Any course completed as part of the core courses in the program, including where you are given a choice of core option courses, cannot count towards the completion of a minor.

The Software Engineering Minor courses and cross-disciplinary Minor courses can be found at the end of the program structure. The courses in each Minor need to be completed in the sequence listed.

Year One of Program

Complete the following Six (6) Courses

Course Title	Credit Points	Course Code	Campus
Java Programming Bootcamp	12	COSC2801	City Campus
Java Programming Studio	24	COSC2803	City Campus
Introduction to Mathematics for Computing	12	MATH2466	City Campus
Mathematics for Computing 1	12	MATH2411	City Campus
C++ Programming Bootcamp	12	COSC2802	City Campus
C++ Programming Studio	24	COSC2804	City Campus

AND

Year Two of Program

Complete the following Eight (8) Courses

Course Title	Credit Points	Course Code	Campus
Introduction to Cyber Security	12	INTE2625	City Campus
Full Stack Development	12	COSC2758	City Campus
Software Engineering Fundamentals	12	ISYS1118	City Campus
Algorithms and Analysis	12	COSC2123	City Campus
Software Requirements Engineering	12	COSC2274	City Campus
Software Engineering: Process and Tools	12	COSC2299	City Campus
Systems Architecture and Design	12	ISYS3459	City Campus
Software Testing	12	ISYS1087	City Campus

AND

Year Three of Program

Complete the following Four (4) Courses

Course Title	Credit Points	Course Code	Campus
<u>Approved Industry Experience 1</u>	36	INTE2376	City Campus
<u>Foundations of Artificial Intelligence for STEM</u>	12	COSC2960	City Campus
<u>Approved Industry Experience 2</u>	36	INTE2377	City Campus
<u>Innovation Ecosystem and the Future of Work</u>	12	OENG1235	City Campus

AND

Year Four of Program

Complete the following Three (3) Courses

Course Title	Credit Points	Course Code	Campus
<u>Computing Theory</u>	12	COSC1107	City Campus
<u>Software Engineering Project</u>	24	COSC2410	City Campus
<u>Operating Systems Principles</u>	12	COSC1114	City Campus

AND Complete Forty-eight (48) credit points from your Selected Combination:

AND

Software Engineering Minors:

List of Minors:

AND

(

Minor: Artificial Intelligence & Machine Learning

Select and Complete Four (4) Courses from the following list that have not been completed as Core Courses:

Course Title	Credit Points	Course Code	Campus
<u>Artificial Intelligence</u>	12	COSC1127	City Campus
<u>Games and Artificial Intelligence Techniques</u>	12	COSC2527	City Campus
<u>Machine Learning</u>	12	COSC2673	City Campus
<u>Deep Learning</u>	12	COSC2972	City Campus
<u>Programming Autonomous Robots</u>	12	COSC2814	City Campus

OR

Minor: Blockchain Technologies

Complete the following Four (4) Courses:

Course Title	Credit Points	Course Code	Campus
<u>Blockchain Technology Fundamentals</u>	12	INTE2627	City Campus
<u>Developing Blockchain Applications</u>	12	INTE2628	City Campus
<u>The Blockchain Economy</u>	12	ECON1349	City Campus
<u>Blockchain Innovations and Case Studies</u>	12	INTE2629	City Campus

OR

Minor: Cloud Computing

Select and Complete Four (4) Courses from the following list that have not been completed as Core Courses:

Course Title	Credit Points	Course Code	Campus
<u>Cloud Foundations</u>	12	COSC2757	City Campus
<u>Cloud Developing</u>	12	COSC2821	City Campus
<u>Cloud Operations</u>	12	COSC2824	City Campus
<u>Cloud Architecting</u>	12	COSC2829	City Campus
<u>Cloud Security</u>	12	INTE2402	City Campus

OR

Minor: Creative Computing

Complete the following Four (4) Courses:

Course Title	Credit Points	Course Code	Campus
<u>Games Studio 1</u>	12	COSC2348	City Campus
<u>Mixed Reality</u>	12	COSC2476	City Campus
<u>Interactive 3D Graphics and Animation</u>	12	COSC1187	City Campus
<u>Games and Artificial Intelligence Techniques</u>	12	COSC2527	City Campus

OR

Minor: Cyber Assurance

Select and Complete Four (4) courses from the following list that have not been completed as Core Courses:

Course Title	Credit Points	Course Code	Campus

Data Communication and Net-Centric Computing	12	COSC1111	City Campus
Security in Computing and Information Technology	12	COSC2536	City Campus
Security Testing	12	INTE2547	City Campus
Cyber Security Attack Analysis and Incidence Response	12	INTE2626	City Campus
Cloud Security	12	INTE2402	City Campus
Computer and Internet Forensics	12	COSC2301	City Campus

OR

Minor: Data Science

Complete the following Four (4) Courses:

Course Title	Credit Points	Course Code	Campus
Practical Data Science	12	COSC2738	City Campus
Advanced Programming for Data Science	12	COSC2815	City Campus
Data Visualisation with R	12	MATH2237	City Campus
The Data Science Professional	12	COSC2818	City Campus

OR

Minor: Enterprise Systems Development

Complete the following One (1) Course: Note: Students who do not complete Full Stack Development as a Core Course in their program must complete it to successfully complete this minor.

Course Title	Credit Points	Course Code	Campus
Further Programming	12	COSC2391	City Campus

AND Select and Complete Three (3) Courses from the following list that have not been completed as Core Courses:

Course Title	Credit Points	Course Code	Campus
Full Stack Development	12	COSC2758	City Campus
Software Testing	12	ISYS1087	City Campus
Database Applications	12	ISYS1102	City Campus
Web Development Technologies	12	COSC2276	City Campus
iPhone Software Engineering	12	COSC2471	City Campus
Rapid Application Development	12	COSC2675	City Campus
Software Engineering: Process and Tools	12	COSC2299	City Campus
Programming Internet of Things	12	COSC2674	City Campus
Algorithms and Analysis	12	COSC2123	City Campus
Enterprise Application Development 1	12	COSC3091	City Campus
Mobile Application Development	12	COSC2309	City Campus

OR

Cross-disciplinary Minors:

List of Minors:

OR

Minor: Bioinformatics

Complete the following Four (4) Courses:

Course Title	Credit Points	Course Code	Campus
Cell Biology and Biochemistry	12	BIOL2146	City Campus
Genetics and Molecular Biology	12	BIOL2262	City Campus
Computational Biology	12	BIOL2526	City Campus
Genomics and Gene Technologies	12	BIOL2527	City Campus

OR

Minor: Data Analysis

Complete the following Three (3) Courses:

Course Title	Credit Points	Course Code	Campus
Linear Models and Experimental Design	12	MATH2203	City Campus
Multivariate Analysis	12	MATH2142	City Campus
Optimisation for Decision Making	12	MATH2055	City Campus

AND Select and Complete One (1) Course from the following list:

Course Title	Credit Points	Course Code	Campus
Applied Bayesian Statistics	12	MATH2305	City Campus
Analysis of Categorical Data	12	MATH2300	City Campus

Acknowledgement of Country

RMIT University acknowledges the people of the Woi wurrung and Boon wurrung language groups of the eastern Kulin Nation on whose unceded lands we conduct the business of the University. RMIT University respectfully acknowledges their Ancestors and Elders, past and present. RMIT also acknowledges the Traditional Custodians and their Ancestors of the lands and waters across Australia where we conduct our business - Artwork 'Sentient' by Hollie Johnson, Gunaikurnai and Monero Ngarigo.

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- ABN 49 781 030 034 |
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- [Open Universities Australia](#) |
- RMIT Training Pty Ltd, trading as RMIT University Pathways (RMIT UP), CRICOS Provider Code: 01912G