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## Bachelor of Computer Science - Plan BP094P23

[Apply Enquire](#)

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](mailto: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](mailto:Study@RMIT) for more information.

#### Not an international student?

Switch to local content

Student type:

Domestic

International

Entry score:

ATAR 75.05\*

Duration:

Full-time 3 years

Part-time 6 years

Fees:

Commonwealth Supported Places

Next intake:

February, July

Location:

Melbourne City

Entry score:

See admissions

Duration:

Full-time 3 years

Fees:

AU\$43,200 (2026 annual)

Next intake:

February, July

Location:

Melbourne City

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CRICOS code: 110797J

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

You must complete a total of 288 credit points (i.e.: Twenty 12 credit point courses and Two 24 credit point courses) as follows:

Two (2) STEM Future Technology Skills Courses (24 credit points); and

Eleven (11) Core courses including two 24 credit point courses and nine (9) 12 credit point courses (totalling 156 credit points); and

One (1) Capstone course (12 credit points); and

96 credit points (e.g. eight 12 credit point Computer Science Option courses) from one of the following possible Combinations:

**Combination 1:** Complete Eight (8) courses from one of the Computer Science Majors listed below; or

**Combination 2:** Complete Four (4) courses from two Minors in the minor lists below (one minor must be from the Computer Science Minors list); or

**Combination 3:** Complete Four (4) courses from one of the Computer Science Minors AND complete Four (4) Computer Science Option Courses; or

**Combination 4:** Complete Four (4) courses from one of the Computer Science Minors AND up to 48 credit points of University Electives.

**Combination 5:** Complete Four (4) Computer Science option courses AND up to 48 credit points of University Electives.

Computer Science Option courses mean all courses listed within each Computer Science Major and Computer Science Minor.

University Electives can include any Computer Science Option course, or any other course on the University Electives website.

#### **Rules on completion of Majors/Minors:**

A major is typically 96 credit points, and a minor is typically 48 credit points.

A maximum of Two (2) Minors 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 major or minor.

If you use a course toward the completion of one minor, you cannot use that same course again to count toward another minor.

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

#### Year One of Program

*Students must complete a series of compulsory onboarding modules during their first semester or study period. Complete 96 credit points from the following:*

Course Title	Credit Points	Course Code	Campus
<a href="#">Java Programming Bootcamp</a>	12	COSC2801	City Campus
<a href="#">Java Programming Studio</a>	24	COSC2803	City Campus
<a href="#">Introduction to Mathematics for Computing</a>	12	MATH2466	City Campus
<a href="#">C++ Programming Bootcamp</a>	12	COSC2802	City Campus
<a href="#">C++ Programming Studio</a>	24	COSC2804	City Campus
<a href="#">Mathematics for Computing 1</a>	12	MATH2411	City Campus

AND

#### Year Two of Program

*Complete 60 credit points from the following:*

Course Title	Credit Points	Course Code	Campus
<a href="#">Introduction to Cyber Security</a>	12	INTE2625	City Campus
<a href="#">Essentials of Computing</a>	12	COSC3045	City Campus
<a href="#">Software Engineering Fundamentals</a>	12	ISYS1118	City Campus
<a href="#">Foundations of Artificial Intelligence</a>	12	COSC2960	City Campus
<a href="#">Algorithms and Analysis</a>	12	COSC2123	City Campus

AND *Complete 36 credit points from your Selected Combination.*

AND

#### Year Three of Program

*Complete 24 credit points from the following:*

Course Title	Credit Points	Course Code	Campus
<a href="#">Programming Project 1</a>	12	COSC2408	City Campus

<a href="#"><u>Innovation Ecosystem and the Future of Work</u></a>	12	OENG1235	City Campus
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AND Complete 12 credit points from the following. (Note: Please review your selected combination, as the following selected course cannot count as part of a major or minor)

Course Title	Credit Points	Course Code	Campus
<a href="#"><u>Software Engineering: Process and Tools</u></a>	12	COSC2299	City Campus
<a href="#"><u>Artificial Intelligence</u></a>	12	COSC1127	City Campus
<a href="#"><u>Machine Learning</u></a>	12	COSC2673	City Campus

AND Complete 60 credit points from your Selected Combination.

AND

Major: Advanced Computer Science

Complete 96 credit points from the following:

Course Title	Credit Points	Course Code	Campus
<a href="#"><u>Computing Theory</u></a>	12	COSC1107	City Campus
<a href="#"><u>Operating Systems Principles</u></a>	12	COSC1114	City Campus
<a href="#"><u>Artificial Intelligence</u></a>	12	COSC1127	City Campus
<a href="#"><u>Cloud Computing</u></a>	12	COSC2626	City Campus
<a href="#"><u>Database Systems</u></a>	12	COSC2406	City Campus
<a href="#"><u>Machine Learning</u></a>	12	COSC2673	City Campus
<a href="#"><u>Social Media and Networks</u></a>	12	COSC3047	City Campus
<a href="#"><u>Analytics</u></a>	12		
<a href="#"><u>Managing Semi-structured and Unstructured Data</u></a>	12	ISYS1079	City Campus

AND

Major: Cyber Security

Complete 96 credit points from the following:

Course Title	Credit Points	Course Code	Campus
<a href="#"><u>Data Communication and Net-Centric Computing</u></a>	12	COSC1111	City Campus
<a href="#"><u>Security in Computing and Information Technology</u></a>	12	COSC2536	City Campus
<a href="#"><u>Security Testing</u></a>	12	INTE2547	City Campus
<a href="#"><u>Introduction to Cybersecurity Governance</u></a>	12	INTE2584	City Campus
<a href="#"><u>Cyber Security Attack Analysis and Incidence Response</u></a>	12	INTE2626	City Campus
<a href="#"><u>Secure Electronic Commerce</u></a>	12	INTE1071	City Campus
<a href="#"><u>Cloud Security</u></a>	12	INTE2402	City Campus
<a href="#"><u>Blockchain Technology Fundamentals</u></a>	12	INTE2627	City Campus
<a href="#"><u>Computer and Internet Forensics</u></a>	12	COSC2301	City Campus

AND

Major: Enterprise Systems Development

Complete 96 credit points from the following:

Course Title	Credit Points	Course Code	Campus
<a href="#"><u>Further Programming</u></a>	12	COSC2391	City Campus
<a href="#"><u>Algorithms and Analysis</u></a>	12	COSC2123	City Campus
<a href="#"><u>Full Stack Development</u></a>	12	COSC2758	City Campus
<a href="#"><u>Software Testing</u></a>	12	ISYS1087	City Campus
<a href="#"><u>Database Applications</u></a>	12	ISYS1102	City Campus
<a href="#"><u>Web Development Technologies</u></a>	12	COSC2276	City Campus
<a href="#"><u>iPhone Software Engineering</u></a>	12	COSC2471	City Campus
<a href="#"><u>Rapid Application Development</u></a>	12	COSC2675	City Campus
<a href="#"><u>Software Engineering: Process and Tools</u></a>	12	COSC2299	City Campus
<a href="#"><u>Programming Internet of Things</u></a>	12	COSC2674	City Campus
<a href="#"><u>Enterprise Application Development 1</u></a>	12	COSC3091	City Campus
<a href="#"><u>Mobile Application Development</u></a>	12	COSC2309	City Campus

AND

Minor: Artificial Intelligence & Machine Learning

Complete 48 credit points from the following (that have not already been completed as Core Courses):

Course Title	Credit Points	Course Code	Campus
<a href="#"><u>Artificial Intelligence</u></a>	12	COSC1127	City Campus

<a href="#"><u>Games and Artificial Intelligence Techniques</u></a>	12	COSC2527	City Campus
<a href="#"><u>Machine Learning</u></a>	12	COSC2673	City Campus
<a href="#"><u>Deep Learning</u></a>	12	COSC2972	City Campus
<a href="#"><u>Programming Autonomous Robots</u></a>	12	COSC2814	City Campus

AND

Minor: Blockchain Technologies

Complete 48 credit points from the following:

Course Title	Credit Points	Course Code	Campus
<a href="#"><u>Blockchain Technology Fundamentals</u></a>	12	INTE2627	City Campus
<a href="#"><u>Developing Blockchain Applications</u></a>	12	INTE2628	City Campus
<a href="#"><u>Frontiers of the Digital Economy</u></a>	12	ECON1349	City Campus
<a href="#"><u>Blockchain Innovations and Case Studies</u></a>	12	INTE2629	City Campus

AND

Minor: Cloud Computing

Complete 48 credit points from the following (that have not been completed as Core Courses):

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

AND

Minor: Creative Computing

Complete 48 credit points from the following:

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

AND

Minor: Cyber Assurance

Complete 48 credit points from the following (that have not already been completed as Core Courses):

Course Title	Credit Points	Course Code	Campus
<a href="#"><u>Data Communication and Net-Centric Computing</u></a>	12	COSC1111	City Campus
<a href="#"><u>Security in Computing and Information Technology</u></a>	12	COSC2536	City Campus
<a href="#"><u>Security Testing</u></a>	12	INTE2547	City Campus
<a href="#"><u>Cyber Security Attack Analysis and Incidence Response</u></a>	12	INTE2626	City Campus
<a href="#"><u>Cloud Security</u></a>	12	INTE2402	City Campus
<a href="#"><u>Computer and Internet Forensics</u></a>	12	COSC2301	City Campus

AND

Minor: Data Science

Complete 48 credit points from the following:

Course Title	Credit Points	Course Code	Campus
<a href="#"><u>Practical Data Science</u></a>	12	COSC2738	City Campus
<a href="#"><u>Advanced Programming for Data Science</u></a>	12	COSC2815	City Campus
<a href="#"><u>Data Visualisation with R</u></a>	12	MATH2237	City Campus
<a href="#"><u>The Data Science Professional</u></a>	12	COSC2818	City Campus

AND

Minor: Design & Develop for Apple Platform

Complete 48 credit points from the following:

Course Title	Credit Points	Course Code	Campus
<a href="#"><u>UI and UX for Apple Platform</u></a>	12	COSC3099	City Campus
<a href="#"><u>Getting Started with iOS App Development</u></a>	12	COSC3100	City Campus

### Human-Centred Development

[with Apple Platform Technologies](#) 12 COSC3101 City Campus

[Apple Platform Project](#) 12 COSC3102 City Campus

AND

Minor: Enterprise Systems Development

Complete 12 credit points from the following. (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
<a href="#">Further Programming</a>	12	COSC2391	City Campus

AND Complete 36 credit points from the following (that have not already been completed as Core Courses):

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

AND

Cross-disciplinary Minors:

*List of Minors:*

AND

Minor: Bioinformatics

Complete 48 credit points from the following:

Course Title	Credit Points	Course Code	Campus
<a href="#">Cell Biology and Biochemistry</a>	12	BIOL2146	City Campus
<a href="#">Genetics and Molecular Biology</a>	12	BIOL2262	City Campus
<a href="#">Computational Biology</a>	12	BIOL2526	City Campus
<a href="#">Systems Biology</a>	12	BIOL2512	City Campus

AND

Minor: Data Analysis

Complete 36 credit points from the following:

Course Title	Credit Points	Course Code	Campus
<a href="#">Linear Models and Experimental Design</a>	12	MATH2203	City Campus
<a href="#">Multivariate Analysis</a>	12	MATH2142	City Campus
<a href="#">Optimisation for Decision Making</a>	12	MATH2055	City Campus

AND Complete 12 credit points from the following:

Course Title	Credit Points	Course Code	Campus
<a href="#">Applied Bayesian Statistics</a>	12	MATH2305	City Campus
<a href="#">Analysis of Categorical Data</a>	12	MATH2300	City Campus
<a href="#">Time Series and Forecasting</a>	12	MATH2204	City Campus

AND

Minor: Digital Innovation

Complete 48 credit points from the following:

Course Title	Credit Points	Course Code	Campus
<a href="#">Foundations of Artificial Intelligence</a>	12	COSC2960	City Campus
<a href="#">Mixed Reality Technologies</a>	12	INTE2686	City Campus
<a href="#">Digital Fluency</a>	12	INTE2687	City Campus
<a href="#">Digital Innovation Project</a>	12	INTE2688	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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