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Bachelor of Space Science - Plan BP330P23

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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 70.15*

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: 110983G

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

You must complete a total of 288 credit points (e.g. Twenty-Four 12 credit point courses) as follows:

- **Year 1:** Eight (8) Core courses (96 credit points); and
- **Year 2:** Five (5) Core courses (84 credit points) and 12 credit points from the Science Options list; and
- **Year 3:** Five (5) Core courses (60 credit points); and
- **Years 2 to 3:** Total of 48 credit points comprising one of the available Minors, or Science Options and/or University Electives

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
Data for a Scientific World	12	ONPS2700	City Campus
The World of Life Sciences	12	ONPS2699	City Campus
Physical Sciences in Action	12	ONPS2701	City Campus
A Calculus Toolbox for Scientists	12	MATH2469	City Campus
Mechanics and Thermodynamics	12	PHYS1046	City Campus
Introduction to Electromagnetism and Optics	12	PHYS2189	City Campus
Space Exploration	12	PHYS2182	City Campus
Vectors and Calculus	12	MATH1143	Bundoora Campus
		MATH1144	City Campus

AND

Year Two of Program

Complete 60 credit points from the following:

Course Title	Credit Points	Course Code	Campus
Materials Physics	12	PHYS2179	City Campus
Rocket Science	12	PHYS2183	City Campus
Satellites and Space Debris	12	GEOM2160	City Campus
Geodesy	12	GEOM2175	City Campus
Programming Fundamentals for Scientists	12	COSC2676	City Campus

AND Complete 12 credit points from the Science Options list at the end of the program structure. AND Complete 24 credit points from your chosen minor or the Science Options list at the end of the program structure.

AND

Year Three of Program

Complete 60 credit points from the following:

Course Title	Credit Points	Course Code	Campus
Microgravity Science	12	PHYS2184	City Campus
Classical & Quantum Mechanics	12	PHYS2178	City Campus
Electromagnetism	12	PHYS2181	City Campus
Astrophysics and Cosmology	12	PHYS2067	City Campus
Applied Science Project 1	12	ONPS2186	City Campus

AND Complete 12 credit points from the following:

Course Title	Credit Points	Course Code	Campus
Applied Science Project 2	12	ONPS2668	City Campus
Science Work Experience 1	12	ONPS2543	City Campus

AND Complete 24 credit points from your chosen Minor listed at the end of the program structure. OR Complete 24 credit points from the Science Options listed at the end of the program structure. OR Complete 12 credit points from the Science Options List and 12 credit points from any University Electives. OR Complete 24 credit points from any University Elective

AND

Minor: Geospatial Science

Complete 48 credit points from the following:

Course Title	Credit Points	Course Code	Campus
Applied Geospatial Techniques	12	GEOM2083	City Campus
Mapping The World	12	GEOM2077	City Campus

Spatial Information Science Fundamentals	12	GEOM1033	City Campus
Geospatial Programming	12	GEOM2159	City Campus

AND

Minor: Mathematics for Space Science

Complete 48 credit points from the following:

Course Title	Credit Points	Course Code	Campus
Advanced Linear Algebra with Vector Calculus	12	MATH2311	City Campus
Modelling with Differential Equations	12	MATH2138	City Campus
Data Visualisation with R	12	MATH2237	City Campus
Numerical Techniques	12	MATH2391	City Campus

AND

Science Option List

List of Science Option Courses:

Course Title	Credit Points	Course Code	Campus
Cell Biology and Biochemistry	12	BIOL1159	Bundoora Campus
		BIOL2146	City Campus
Plant and Animal Biology	12	BIOL2547	City Campus
		BIOL2531	Bundoora Campus
Microbiology and Immunology	12	BIOL2532	City Campus
Chemistry Fundamentals 1	12	CHEM1313	City Campus
Chemistry Fundamentals 2	12	CHEM1314	City Campus
Foundations of Artificial Intelligence	12	COSC2960	City Campus
		COSC3094	Bundoora Campus
The Changing Environment	12	ENVI1146	City Campus
Spatial Information Science Fundamentals	12	GEOM1033	City Campus
Applied Geospatial Techniques	12	GEOM2083	City Campus
Mapping The World	12	GEOM2077	City Campus
Geospatial Programming	12	GEOM2159	City Campus
Modelling with Differential Equations	12	MATH2138	City Campus
Data Visualisation with R	12	MATH2237	City Campus
Statistical Methodologies	12	MATH2201	City Campus
Linear Models and Experimental Design	12	MATH2203	City Campus
Advanced Linear Algebra with Vector Calculus	12	MATH2311	City Campus
Numerical Techniques	12	MATH2391	City Campus
Science Work Experience 1	12	ONPS2543	City Campus
Science Work Experience	24	ONPS2662	City Campus
STEM for Sustainable Development	12	ONPS2702	City Campus
		ONPS2749	Bundoora Campus
Energy and Earth's Environment	12	PHYS2066	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 |
- CRICOS provider number: 00122A |
- TEQSA provider number: PRV12145 |
- RTO Code: 3046 |
- [Open Universities Australia](#) |
- RMIT Training Pty Ltd, trading as RMIT University Pathways (RMIT UP), CRICOS Provider Code: 01912G