

Year 1 2024
8 units inclusive of:

**Enrolment Pattern: School of Mathematical and Physical Sciences:
Physics and Astronomy**

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MRes Year 2 Advisor Joanne Dawson joanne.dawson@mq.edu.au

Essential

PHYS7900 - Research Frontiers in Physics and Astronomy (S1)
FOSE7000 - Research Communications in Science and Engineering (S2)

+

Electives*
(6 in total)

Highly recommended elective unit:

FOSE7902 - Advanced STEM Research Placement (S1 or S2)

Other elective units:

PHYS7901 Mathematical Methods in Physics (S1)

PHYS7902 Statistical Physics (S1)

PHYS7905 Quantum Information and Computation (S1)

PHYS7906 Advanced Photonics (S2)

PHYS7909 Quantum Control (S2)

PHYS7910 Engineering quantum matter (S2)

ASTR7907 Advanced Astrophysics (S2)

ASTR7913 Contemporary Research Techniques in Astrophysics (S2)

Additional elective unit options:

- Bespoke directed study opportunities are available through FOSE7701 & FOSE7702.
- 7000-lvl units from across the University as approved by the Yr 1 advisor and the unit convenor.

** Each student will develop their program with the advice and support of the discipline BPhil/MRes Yr 1 advisor and relevant subject matter experts in light of their individual research goals and learning needs.*