Year 1 2024
8 units inclusive of:

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

**BPhil/MRes Year 1 Advisor** Ángel López-Sánchez  
angel.lopez-sanchez@mq.edu.au

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

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**Essential**

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

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**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.

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*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.*