

Master of Quantum Technology (MQTech)

If you are unable to access the information in this study plan, please email enquire@science.uq.edu.au for assistance.

Master of Quantum Technology (MQTech)

Program Code: 5711

Duration: 1.5 years full time

Total Units: 24

Entry Requirements: Please refer to [MQTech](#) future students page

Key Program Information

- This program commences in Semester 2 only (July).
- This program requires students to complete research projects as part of their studies.
- Some courses in this program may contain enrolment restrictions requiring permission from the Head of School or other approvals. Students are required to email the [School of Mathematics and Physics](#) to gain approval for restricted courses before they can enrol on SI-Net.

Important Notes

The information contained in this document is intended as general advice only.

Students must follow the program rules & requirements listed on the [Programs and Courses Website](#). This planner must be used in conjunction with your program duration course list and program rules.

Students need to check the prerequisites, incompatibilities and restrictions for all courses they select in their study plan. Future course offerings are subject to change.

This document is not intended as a progression or graduation check. For further information on progression or graduation checks, please contact your school.

Further Assistance

Check the [Frequently Asked Questions \(FAQ\)](#) page on this study planner document.

If you need further advice or have other questions, please contact:

[School of Mathematics and Physics](#)

Email: smp.student@uq.edu.au

Phone: +61 7 3365 3265

Master of Quantum Technology (MQTech)

Students must follow the program rules & requirements listed on the [Programs and Courses Website](#).

Semester 2 commencement (July)

Step 1 Start with the base study plan outlining **Core Courses** and **Research Courses**

| Year 1 | | | | |
|--|--|---|--|--|
| 1 st Semester (Jul – Nov) <i>Semester 2</i> | PHYS7021 Statistical Mechanics <i>Completed at the same time as PHYS7141</i> 2 units – Core Course | PHYS7141 Quantum Mechanics I <i>Completed at the same time as PHYS7021</i> 2 units – Core Course | PHYS7712 Project A OR PHYS7900 <i>Sem 2 only</i> Perspectives in Physics Research 2 units – Research Project Course | Option Program Elective – see course list 2 units – Program Elective Course |
| | PHYS4030 Condensed Matter Physics <i>Completed at the same time as PHYS7042</i> 2 units – Core Course | PHYS7042 Quantum Mechanics II <i>Completed at the same time as PHYS4030</i> 2 units – Core Course | PHYS7713 * Project B 2 units – Research Project Course | Option Program Elective – see course list 2 units – Program Elective Course |
| Year 2 | | | | |
| 3 rd Semester (Jul – Nov) <i>Semester 2</i> | PHYS4055 Atomic Physics & Quantum Optics <i>Completed at the same time as PHYS7045</i> 2 units – Core Course | PHYS7045 Quantum Technologies <i>Completed at the same time as PHYS4055</i> 2 units – Core Course | PHYS7714 * Project C 2 units – Research Project Course | Option Program Elective – see course list 2 units – Program Elective Course |

 Course offered in multiple semesters

*** Note:** It is recommended that students complete one of their research projects over Summer Semester. However, this is optional as Summer Semester is not compulsory.

Step 2 Decide on your option courses. Students must complete 6 units of courses from MQTech Program Elective Courses.

Step 3 Check prerequisites, incompatibilities, and restrictions for all courses you have selected in your study plan. You can click on the course codes above or find the course on the course list. You may need to adjust courses in your study plan if you have planned courses without prerequisites.

Please refer to the [MQTech](#) course list for further information

Frequently Asked Questions (FAQ)

What is a prerequisite?

Please refer to: [What does 'prerequisite' mean in a course profile?](#)

What is a course profile?

Please refer to: [What is a course profile?](#)

Where can I find the electronic course profile (ECP)?

Please refer to: [Where do I find the electronic course profile \(ECP\) for my course?](#)

Where can I find the course coordinator?

The course coordinator can be found on the electronic course profile (ECP). Please refer to question "Where can I find the electronic course profile (ECP)?".

Can I study this program part-time?

International students on a student visa must study this program full-time, as per their visa conditions.

Domestic students may choose to complete the program part-time. Part-time students are required to develop their own study plan, however, if you would like assistance with this, please contact the [School of Mathematics and Physics](#).

Can I study the Master of Quantum Technology online?

No, this program requires mandatory in person attendance at the University of Queensland St Lucia campus.

Where can I find research projects and supervisors for my research project courses?

Students can browse a range of research projects available on the School of Mathematics and Physics research project webpage: <https://smp.uq.edu.au/research/projects>

For more information on projects, or options on projects outside those listed, please contact the [School of Mathematics and Physics](#) and/or the program coordinator.