



# SQA PhD Experience Program

## 2021 Student Handbook

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# Sydney Quantum Academy

A very warm welcome to the Sydney Quantum Academy (SQA) community!

The SQA is a unique collaboration between four leading Australian universities with world class expertise in quantum science and technology:

- Macquarie University (MQ)
- UNSW Sydney (UNSW)
- The University of Sydney (USYD)
- University of Technology Sydney (UTS).

The SQA aims to support and promote a thriving quantum ecosystem by:

- Developing future quantum leaders, specialists and entrepreneurs through education and training
- Partnering to understand the industry's and the community's evolving needs
- Attracting global talent and investment
- Promoting the responsible development and use of quantum technologies

## SQA PhD Experience Program

Our program is a unique training and research experience for students in quantum technology. It's also a supportive community of early-career researchers. The program gives you access to coursework, training, seminars, and workshops, providing you a competitive edge in the future workforce of quantum.

### About the program

The PhD Experience Program:

- introduces you to cutting-edge science and technology research, applications, and technical skills in quantum
- offers you a supportive community of early career researchers with networking opportunities in academia and industry
- provides career development opportunities to develop transferrable skills in areas like project management, communication, teamwork, leadership and more.

### What we expect of you

All recipients of an SQA Primary, Supplementary and Supplementary Extension PhD Scholarships are required to participate in and complete the SQA PhD Experience Program.

If you are a recipient of an SQA PhD Experience Scholarship, you are encouraged to participate in and complete the SQA PhD Experience Program.

# Coursework

SQA PhD Experience Program students are expected to complete four coursework units from the available pool across SQA's partner universities over the course of their PhD. Students are required to complete **one core** and **three elective** units.

The core units are:

- Macquarie University – PHYS8905 Quantum Information and Computation **OR**
- University of Technology Sydney – 41076 Methods in Quantum Computing

We recommend you complete your core coursework unit early in your candidature. We strongly advise that you complete **at least one unit per year**. You may wish to complete more units earlier in your candidature to leave more time for your research at the end of your degree.

Undertaking this coursework is part of the SQA PhD Experience Program, however, please note you do not receive official credit for these units.

The University of Sydney students commencing their PhD in 2021 onwards have 12cp of [compulsory coursework component](#) as part of their degree. SQA is working with USYD to have SQA units credited as fulfilling this requirement, or otherwise have the requirement exempted for SQA students. Further details TBD. Please contact [info.sqa@sydney.edu.au](mailto:info.sqa@sydney.edu.au) if you have any concerns in the meantime.

## Coursework Offerings

Please find below a list of unit offerings for 2021. Brief unit descriptions and timetabling details have been included following the unit tables. To view detailed descriptions and requisites please refer to the links provided for each unit of study in the tables.

### Core unit

Complete one of the following two core units. We encourage you to undertake your core unit early in your PhD candidature.

Uni	Unit of study	Coordinator	Teaching Period
MQ	<a href="#">PHYS8905 Quantum Information and Computation</a>	Prof Gavin Brennen	Semester 1
UTS	<a href="#">41076 Methods in Quantum Computing</a>	Dr Marika Kieferova	Semester 2

### Electives

Complete three of the following elective units. These units can be taken at any stage of your PhD candidature.

Uni	Unit of study	Coordinator	Teaching Period
UTS	<a href="#">41170 Introduction to Quantum Computing</a>	A/Prof Christopher Ferrie	Semester 1
UTS	<a href="#">41174 Quantum Algorithms</a>	A/Prof Troy Lee	Semester 1
UNSW	<a href="#">PHYS3118 Quantum Physics of Solids and Devices</a>	Prof Alex Hamilton	Term 2
UNSW	<a href="#">PHYS6143 Contemporary Physics A</a>	Prof Susan Coppersmith Prof Michelle Simmons	Term 2
MQ	<a href="#">PHYS8910 Engineering Quantum Matter</a>	Prof Gavin Brennen	Semester 2
MQ	<a href="#">PHYS8909 Quantum Control</a>	A/Prof Thomas Volz A/Prof Daniel Burgarth	Semester 2
USYD	<a href="#">PHYS4126 Quantum Nanoscience</a>	Dr John Bartholomew	Semester 2
UTS	<a href="#">41173 Quantum Software and Programming</a>	Prof Yuan Feng	Semester 2
UNSW	<a href="#">ELEC4605 Quantum Devices and Computers</a>	Dr Jarryd Pla	Term 3
UNSW	ELEC9782 Special Topics in Electrical Engineering 2	Dr Hendra Nurdin	Term 3
UNSW	<a href="#">TELE9781 Special Topics Advanced Quantum Communication</a>	Prof Robert Malaney	Term 3

### Unit descriptions

#### PHYS8905 Quantum Information and Computation (MQ)

Coordinator: Prof Gavin Brennen

Teaching period: Semester 1

This unit introduces students to the growing field of quantum information science and technology. A general formalism is introduced involving the concept of Hilbert space, states represented by density matrices, open systems evolution via operator sum decompositions, and generalised measurement theory. Much of the unit covers the physics and quantum information aspects of leading physical implementations for a quantum

engineered device, including atomic, (neutral and trapped ion), photonic, superconducting and semiconductor devices. There is a laboratory component based on photonic systems with experiments on quantum correlations in single photons, tests of quantum nonlocality, and generation of entangled photons.

Timetable: Mondays and Fridays 11am – 1pm

## 41170 Introduction to Quantum Computing (UTS)

Coordinator: A/Prof Christopher Ferrie

Teaching period: Semester 1

This subject introduces quantum computation, a model of computation based on the physical laws of quantum mechanics. Quantum computers outperform traditional computers for a range of practical problems, and in many cases offer drastic advantages. In this subject, students will learn about the basic tools for understanding quantum information processing. This knowledge will be applied to study the key quantum protocols: teleportation, superdense coding, and simple quantum algorithms. Students will be able to comprehend some of the key features of quantum theory which differentiate it from classical theory, including quantum entanglement and coherence.

Timetable: Wednesdays 6 – 9pm

## 41174 Quantum Algorithms (UTS)

Coordinator: A/Prof Troy Lee

Teaching period: Semester 1

Students will develop an understanding of the most famous quantum algorithms, including Shor's efficient quantum algorithm for integer factorisation and Grover's search algorithm. Students will also be introduced to algorithms based on quantum walks, an analog of random walks, algorithms for simulating quantum systems, and quantum algorithms for solving systems of linear equations. Further applications of these algorithms to optimisation and machine learning will be discussed.

Assumed knowledge for SQA students: Linear algebra and basic concepts in quantum computing.

Timetable: Fridays 3 – 6pm

## PHYS3118 Quantum Physics of Solids and Devices (UNSW)

Coordinator: Prof Alex Hamilton

Teaching period: Term 2 (From 31 May 2021)

Quantum mechanics plays an important role in the properties of solids and will be central to new generations of electronic devices across the coming decades, e.g., quantum computers. Existing devices, such as laser diodes and superconducting quantum interference devices (SQUIDs), also exploit quantum phenomena for their operation. This course covers three main areas. The first is 'The Quantum Physics of Solids', with topics including crystal structure, phonons as quantum oscillations, electrons as quantum particles in solids, band structure and unconventional materials. The second is 'Interactions in Quantum Systems', with topics including paramagnetism, diamagnetism and ferromagnetism, electron-electron interactions and their role in screening and plasmonic effects, and superconductivity. The third is 'From Semiconductors to Quantum Devices', with topics including charge carriers in semiconductors, p-n junctions and diodes, finite solids and heterojunctions, quantum confinement and low-dimensional devices, nanoelectronics. The course will appeal to those seeking a better contextual understanding of quantum mechanics and to learn about its real-world applications: past, present and future.

Timetable: 4 hours lecture per week (Mondays 3-5pm, Wednesdays 4-5pm, Thursdays 9-10am); 1-hour tutorial per week (Wednesdays 5-6pm) 3-4 hours lab (choose from: Thursdays 1-5pm (Weeks: 1, 4), Tuesdays 1-5pm (Weeks: 1-5, 7), Wednesdays 1-5pm (Weeks: 1-5, 7)).

Lectures will be online. Labs and tutorials will be in person (may be subject to change).

## PHYS6143 Contemporary Physics A (UNSW)

Coordinator: Prof Susan Coppersmith and Prof Michelle Simmons

Teaching period: Term 2 (From 31 May 2021)

The default lecture module for SQA students is Quantum Matter, Information and Computation.

Quantum Matter, Information and Computing will introduce students to quantum computing, the physics of superconducting devices, the Quantum Hall and other topological effects in materials, and the basics of Fermi liquid theory. Advanced topics will include Andreev scattering at semiconductor-superconductor interfaces and Majorana fermions, fractional quantum Hall effect, graphene and the two-dimensional Dirac equation.

Timetable: Lecture (Thursdays 1-3pm and Fridays 2-3pm, Seminar (Fridays 3-4pm)

Students are strongly encouraged to attend in-person. Online option will also be available for those not currently in Sydney.

## 41076 Methods in Quantum Computing (UTS)

Coordinator: Dr Marika Kieferova

Teaching period: Semester 2 (from 2 August 2021)

Quantum computing is a disruptive new technology since quantum computers promise dramatic advantages over current computers. Recent rapid physical experimental progress has made it possible that large-scalable and functional quantum computers will be built within 10 years. This subject expose and demystifies quantum computing using a step-by-step approach. It introduces systematically the basic principles of quantum computing, quantum algorithms and programming methodologies and techniques so that the students can develop software to realise the superpower of quantum computers.

Timetable: Mondays 11am-2pm (hybrid)

## 41173 Quantum Software and Programming (UTS)

Coordinator: Prof Yuan Feng

Teaching period: Semester 2 (from 2 August 2021)

Developing working modules in existing and emerging quantum software tools from across the quantum technology ecosystem.

Assumed knowledge: Linear algebra, basic concepts in quantum computing and basic programming experiences in python.

Timetable: Thursdays 3-5pm (online)

## PHYS8910 Engineering Quantum Matter (MQ)

Coordinator: Prof Gavin Brennen

Teaching period: Semester 2 (From 26 July)

This unit teaches fundamentals and emerging topics in engineering quantum materials. In this unit you will learn how to design quantum simulators to mimic natural and synthetic materials. Key theoretical concepts to be covered are: analogue and digital gate based quantum simulations of Hamiltonians for spins, bosons, and fermions, characterizing quantum phases through entropic properties and order parameters and how to measure them, topologically ordered matter and symmetry protected phases, and computational complexity of quantum simulations. We will cover the physics of some experimental architectures including trapped atoms and superconducting qubits. Applications of synthetic quantum matter for quantum error correction and sensing will be covered. You will learn numerical methods to represent quantum many body systems

using tensor network algorithms such as matrix product states and MERA.

Timetable: Workshop: Tuesdays 2 – 4pm. Lectures: Thursdays 10am – 12pm. Students are strongly encouraged to attend in-person. Online option will also be available for those not currently in Sydney.

## PHYS8909 Quantum Control (MQ)

Coordinator: A/Prof Thomas Volz and A/Prof Daniel Burgarth

Teaching period: Semester 2 (From 26 July)

The aim of quantum control is to drive a quantum system to a desired state or more generally evolution through pulse-shaping. The unit begins with introducing control theory as a subject from engineering and a tool for solving inverse problems. We will discuss linear control and bilinear control; both are important in the quantum case. We then look at the Schrodinger equation as a bilinear control problem and aim to characterise what kind of states and operations can be reached in a given system. This leads us to an algebraic description of control, provided in the framework of Lie algebras. We will look at examples of how this works in practice in quantum computing. In such examples, one often encounters noise, and we will see how quantum control can help lowering noise, which leads us the control of open systems. A particular case of open system control is important in continuous variable quantum optics and known as the input-output formalism, which will bring us back to linear control. In the final part we introduce optimal control. The task here is to find the best way of controlling quantum system – shortest time, lowest energy, lowest noise. We look at examples from NV spins, cavity QED, and from Quantum Computing. You will use the python library “QuTiP” to get experience with the beauty and the challenges of optimal control.

Assumed knowledge: Sufficient background in linear algebra, quantum mechanics, or engineering.

Timetable: Mondays 12 – 2pm. Workshop: Mondays 2 – 4pm. Students are strongly encouraged to attend in-person. Online option will also be available for those not currently in Sydney.

## PHYS4126 Quantum Nanoscience (USYD)

Coordinator: Dr John Bartholomew

Teaching period: Semester 2 (From 9 August)

Modern nanofabrication and characterisation techniques now allow us to build devices that exhibit controllable quantum features and phenomena. We can now demonstrate the thought experiments posed by the founders of quantum mechanics a century ago, as well as explore the newest breakthroughs in quantum theory. We can also develop new quantum technologies, such as quantum computers. This unit will investigate the latest research results in quantum nanoscience across a variety of platforms. You will be introduced to the latest research papers in the field, published in high-impact journals, and gain an appreciation and understanding of the diverse scientific elements that come together in this research area, including materials, nanofabrication, characterisation, and fundamental theory. You will learn to assess an experiment’s demonstration of phenomena in quantum nanoscience, such as quantum coherence and entanglement, mesoscopic transport, exotic topological properties, etc. You will acquire the ability to approach a modern research paper in physics, and to critically analyse the results in the context of the wider scientific community. By doing this unit you will develop the capacity to undertake research, experimental and/or theoretical, in quantum nanoscience.

Assumed knowledge: A major in physics including third-year quantum physics and third-year condensed matter physics

Timetable: Mondays 2 – 3pm, Wednesdays 10 – 11am, Fridays 10 – 11am. In person if permitted or online via Zoom.

## **ELEC4605 Quantum Devices and Computers (UNSW)**

Coordinator: Dr Jarryd Pla

Teaching period: Term 3 (from 13 September 2021)

Quantum Engineering is concerned with the design and production of devices that exploit the laws of Quantum Mechanics, unlocking novel functionalities and improved performance. This course will provide an Engineering-oriented and in-depth treatise of the conceptual and practical tools required to model, design and understand natural and engineered quantum systems, such as quantum computers and quantum-enhanced sensors and amplifiers. Particular attention will be given to platforms and algorithms for quantum computation, a technology synonymous with the new quantum revolution.

The course includes a laboratory component that will introduce fundamental quantum effects, ranging from spin resonance to superposition and entanglement. The experiments will demonstrate the tangible applications of these quantum effects, including quantum logic operations, quantum cryptography, quantum state control and magnetic resonance imaging.

A primary outcome of the course is to train and empower students to become active contributors to the emerging field of quantum technologies, which is undergoing an explosive growth, accompanied by an accelerating demand for highly skilled quantum engineers in the workforce.

Timetable: TBD. In person attendance with the possible exception of lectures, by arrangement with the lecturer.

## **ELEC9782 Special Topics in Electrical Engineering 2 (UNSW)**

Coordinator: Dr Hendra Nurdin

Teaching period: Term 3 (from 13 September 2021)

Timetable: TBD. In person attendance with the possible exception of lectures, by arrangement with the lecturer.

## **TELE9781 Special Topics Advanced Quantum Communication (UNSW)**

Coordinator: Prof Robert Malaney

Teaching period: Term 3 (from 13 September 2021)

This course is designed to be built on the expertise gained in TELE9757 Quantum Communications. In this advanced version of quantum communications, we will move much closer to real working quantum communication systems. Going deeper into the details of how quantum communication systems work in practice, the course will expose you to many issues not covered in TELE9757. The mode of learning will be largely short initial review lectures followed by a laboratory in which you will carry out simulation exercises using Matlab. Additional online lectures may be used to assist with the needed theoretical background.

Timetable: TBD (hybrid).

## Enrolment Process

Enrolments are administrated through an Expression of Interest form where you can register your unit of study preferences for each session.

Semester 1

- [Complete this EOI form](#) by **Monday, 8 February 2021**.

Term 2 (UNSW)

- [Complete this EOI form](#) by **Monday, 10 May 2021**.

Semester 2

- [Complete this EOI form](#) by **Monday 5 July 2021**.

Term 3 (UNSW)

- [Complete this EOI form](#) by **Monday 5 July 2021**.

Unfortunately, we cannot guarantee that every student can undertake their first preference. This will depend on unit availability and class sizes. Preference will be given to students late in their candidature, or otherwise in a first-come, first-served basis.

## Mode of Study

Where there is a face-to-face component, we encourage students to participate in person where possible. The unit of study convenors will be in touch with you through your email with further details on the unit, including how content and classes can be accessed.

## Requirements for Participation and Completion

Once your enrolment in the unit of study is confirmed, you will be expected to attend and engage in regular classes, and successfully complete all required assessments. Although some units will provide marks and grades, for the purposes of the SQA PhD Experience program your final mark will be either 'satisfied requirements' or 'failed requirements.' A satisfied requirement grade is equal to a pass or higher (e.g. mark of 50 or above).

You must receive a grade of 'satisfied requirements' for the unit to be counted towards your SQA PhD Experience program completion.

## Enrolment Changes

If you would like to change your enrolment to a different unit of study in the same semester, please contact SQA within the first two weeks of classes. Please note, changes to enrolment are subject to availability and may not be possible.

### Enrolment Withdrawal

Should you wish to withdraw your enrolment please contact both the unit of study convenor **and** SQA via email ([info.sqa@sydney.edu.au](mailto:info.sqa@sydney.edu.au)) by the census date below:

- Semester 1 – Friday, 19 March 2021
- Term 2 (UNSW) – Sunday, 27 June 2021
- Semester 2 – Friday, 27 August 2021
- Term 3 (UNSW) – Sunday, 10 October 2021

### Recognition of Prior Learning (Exemption)

If you have previously completed one of the core units of study outside of the SQA PhD Experience Program, you may apply for an exemption. Please email your request to SQA and provide evidence of satisfactory completion such as an academic transcript or statement of results.

If you have completed one of the core units during the period of your PhD, it can be counted towards the SQA PhD Experience Program. However, if you have completed a core unit outside of your PhD (for example, during your undergraduate studies), you are required to complete four elective units instead.

### Concerns Over Coursework Load

If you are concerned about completing the four coursework units during your PhD, please contact SQA explaining your concerns. We will review any concerns and endeavour to take these into consideration for your coursework arrangements.

## SQA Student Hub

The [SQA Student Hub](#) is a password protected website for students in the PhD Experience Program. It contains resources that are relevant to the program, including:

- the latest PhD Experience Program Handbook
- PhD Experience Program Events Calendar
- Student Committee details.

# PhD Experience Events Series

In addition to the coursework component of the program, the SQA runs a regular series of events. These include seminars, networking activities, panels and workshops. They cover a range of topics including research, career development and complementary skills.

Events run regularly throughout the year with a mid-year break. Each student is expected to participate in and attend 80% of these regular events throughout the PhD Experience Program.

If you are currently outside of Sydney and have inconvenient time differences, you are not expected to attend live events. Instead, we encourage you to view the event recordings where available.

From time to time, there will be events held outside of the regular time slots and details will be provided to you. We have tried to avoid scheduling clashes with events at our partner universities. Please contact the student committee via Slack if you have any difficulties attending.

Events will be held in person with an option to attend via Zoom. Unless otherwise indicated, events will be held at Fishburners in the Sydney Startup Hub – Level 3, 11 York Street, Wynyard.

Please refer to the [Events Calendar](#) within the Student Hub for details on our upcoming events.

# Student Committee

The PhD Experience Program is for the students and led by the students. In 2020, we formed a Student Working Group to help establish the program, foster the sense of community, and represent the student voice.

The current SQA student representatives are:

- Alexis Shaw (UTS)
- Elisabeth Wagner (Macquarie University)
- Juliette Soule (University of Sydney)
- Wyatt Vine (UNSW).

From Semester 2, 2021, students will be represented by the SQA Student Committee, which will allow for greater student involvement and ownership of the program. Being a part of the Student Committee is also a great opportunity to develop your leadership skills.

The primary purpose of the committee is to provide student input and support to the SQA Education team to run the PhD Experience Program.

## Roles and Responsibilities and Election Process

The roles and responsibilities of the Student Committee are to:

- support the SQA Education team in the delivery of activities for the PhD Experience Program
- represent the SQA student voice, seeking ideas and feedback from the cohort to inform the activities offered in the PhD Experience program and other SQA initiatives.

## Membership

The Student Committee shall include one member for each of the following:

- Chair
- Secretary/Deputy Chair
- Research Event Representative
- Social & Engagement Representative
- Career & Industry Representative
- SQA Ambassador Representative.

Membership must include a minimum of one representative from each partner university. Membership terms are for the length of one year from July to July.

For further information on roles and responsibilities of the committee and members please refer to the Student Committee Terms of Reference document available in the [Student Hub](#).

## Election

Students must complete an expression of interest to nominate themselves for committee membership. Committee members are voted in by the SQA student cohort based on these expressions of interest.

### Student Committee self-nominations are open!

If you are interested to be part of the Student Committee 2021 - 2022, please [complete this self-nomination](#) form **by Monday, 5 July 2021**. We will communicate the voting process after this date.

# Career Development Funding

## Primary Scholarship recipients (Rounds 1-3)

SQA Primary Scholarship recipients from Rounds 1-3 receive Career Development Funding (CDF) connected to their scholarship. The first annual allocation of career development funding will be provided at the commencement of the Scholarship.

To receive the next annual allocation of career development funds, recipients must have spent the full previous years' allocation or have approved plans in place to spend the funding. Recipients must submit an online form to SQA, detailing their plans for spending in the next year. Forms will be processed annually in September for the following year, with information to be provided via email in September to the relevant students.

## All other SQA Scholarship recipients

All other SQA PhD Scholarship recipients will have access to a shared Career Development Funding pool. This includes:

- SQA Supplementary scholarship holders from Rounds 1-3
- SQA Primary, Supplementary, Supplementary Extension and PhD Experience scholarship holders from Round 4 onwards

This pool of funding will be managed and held by your university school or department and is in the process of being established. Your university will have their own approval process that you will need to follow to be considered for funding.

## Access to CDF (all students)

For information on the CDF and requests to access funding, please contact the following at your university:

- MQ – Belinda Wallis (Research Centre Administrator), [belinda.wallis@mq.edu.au](mailto:belinda.wallis@mq.edu.au)
- UNSW – Dianne Reilly (School of Physics, Career Plan costs), [d.reilly@unsw.edu.au](mailto:d.reilly@unsw.edu.au)  
Karen Jury (School of EET, Career Plan costs), [karen.jury@unsw.edu.au](mailto:karen.jury@unsw.edu.au)  
Lucy Wong (School of EET, Career Plan costs), [lucy.wong@unsw.edu.au](mailto:lucy.wong@unsw.edu.au)

- USYD – Deb Gooley (Finance and Operations Manager/Research Officer), [debra.gooley@sydney.edu.au](mailto:debra.gooley@sydney.edu.au)
- UTS – Camila Cremonese (Centre Operations Manager), [camila.cremonese@uts.edu.au](mailto:camila.cremonese@uts.edu.au)

### Eligible Expenses

Eligible expenses to be charged against the career development funds include conference expenses, specialist services, field expenses, training expenses, specialist books, periodicals or software, computers or other equipment and thesis production expenses.

## SQA Guidelines for Research Outputs

### Guide to include SQA affiliations

All SQA PhD Experience students must list the SQA as a by-line affiliation when submitting a research paper.

In order to be consistent, please reference SQA as:

Sydney Quantum Academy, Sydney, New South Wales, Australia.

You will also have other affiliations such as your university. Where available, you should split the by-line and list your university first. Otherwise, place your university first in the by-line. For example, it could be:

Researcher, A.<sup>a,b</sup>

a School of Physics, Faculty of Science, The University of Sydney, Sydney, NSW, Australia

b Sydney Quantum Academy, Sydney, NSW, Australia

or

Macquarie Centre for Quantum Engineering, Faculty of Science and Engineering,  
Macquarie University. Sydney Quantum Academy, Sydney, NSW, Australia

Your university will have guidelines and procedures in affiliating. Please make certain to reference their guides and formatting tips.

### Guide to accurately acknowledge and disclose SQA support

When SQA students and fellows communicate their research and its findings, they must identify their host institution(s) and all sources of support for the research. An example of how you could acknowledge the SQA is given below.

*XXXX was supported by the Sydney Quantum Academy, Sydney, NSW, Australia*

Please ensure all acknowledgements of SQA support follow your host institution(s)'s codes and policies around responsible conduct of research. All university codes and policies are based on the Australian Code for the Responsible Conduct of Research (the Code). Included below are links where you can find more information about the code.

- The [Australian Code for the Responsible Conduct of Research](#) which articulates the broad principles and responsibilities that underpin the responsible conduct of Australian research.
- [Publication and dissemination of research: A guide supporting the Australian Code for the responsible Conduct of Research](#) which supports the implementation of the Code.

You must ensure also that any support you have received is communicated in a way that meets the requirements of the journal or the conference where you wish to publish your work. Most journals or conferences publish guidance on this (for example, [Physical Review Letters' guidelines](#)), and some adopt national or international guidelines.

You may also find the following SQA disclosure statement helpful if you need to disclose details of the support you receive from the SQA.

### **Disclosure statement**

The Sydney Quantum Academy is an unincorporated joint venture between Macquarie University, UNSW Sydney, the University of Sydney and University of Technology Sydney funded by the New South Wales Government (Australia).

## **Communication and Contacts**

### **Slack**

The main communication platform for the SQA PhD Experience Program is [Slack](#). New students will be sent an invitation to join our Slack workspace. In the workspace there are different channels where students, student representatives and SQA team can post information, updates and engage in discussions. You can also ask questions to the SQA team in Slack and we'll get back to you as soon as we can.

Please check Slack regularly to ensure you're receiving important updates. We recommend you ensure push-notifications to your phone device in the settings. To update your notification settings, click on your profile avatar > Preferences > Notifications.

### **SQA Education Contacts**

Artha – Project and Administration Officer (Coursework, PhD Experience Events, General)  
Eleanor Turner – Senior Project and Admin Officer (Scholarships and CDF)  
Eser Zerenturk – Education Manager

Contact us via [info.sqa@sydney.edu.au](mailto:info.sqa@sydney.edu.au) or Slack.