

Felix Scott

Curriculum Vitae

Education

- 2022–2026 **Bachelor of Mathematics & Bachelor of Science**, *The University of Queensland*, Brisbane.
Respective majors of Mathematical Physics and Physics.
- 2022 **Leadership and Mentorship Programme in Science**, *The University of Queensland*, Brisbane.
- 2016–2021 **QCE & ATAR**, *Brisbane School of Distance Education*, Brisbane.
Graduated with 96.60 ATAR.

Employment

- 2024–Present **Mathematics Resource Development**, *The University of Queensland*, Brisbane.
Developing resources for the University of Queensland in a variety of capacities, including:
- The First-Year-Learning-Centre (FYLC) at the University Queensland: providing visual website design/templates as well as creating resources pertaining to high school students transitioning to first-year mathematics.
 - Course Material: designed and co-authored a comprehensive set of competency-based questions and solutions to align with course learning outcomes. This was a joint project which was supervised by academic staff.
- 2025 **Tutor Supervisor (Supertutor)**, *The University of Queensland*, Brisbane.
Running a team of tutors for undergraduate mathematics courses at the University of Queensland. This involves communicating with course staff and admin, allocating tutors to workshops, assigning tutors assignment marking, and providing tutors with course resources.
- MATH1052: Multivariate Calculus & Ordinary Differential Equations
 - Semester 1, 2025.
 - Semester 2, 2025.

- 2024–Present **Tutor (Teaching Assistant)**, *The University of Queensland*, Brisbane.
Tutoring undergraduate mathematics and physics courses at the University of Queensland - teaching tutorials as well as marking assignments.
- MATH1061: Discrete Mathematics
 - Semester 2, 2025.
 - MATH1050: Mathematical Foundations II
 - Semester 1, 2025.
 - MATH1052: Multivariate Calculus & Ordinary Differential Equations
 - Semester 1, 2024.
 - Semester 2, 2024. In addition to classroom tutoring, I also monitored Zoom this semester as it was required as an additional form of contact since overflow rooms for the large course capacity were not available.
 - Semester 1, 2025.
 - Semester 2, 2025.
 - Semester 1, 2026.
 - MATH2100: Applied Mathematical Analysis
 - Semester 2, 2024.
- 2024–Present **Mathematics Resource Development**, *The University of Queensland*, Brisbane.
Developing resources for the University of Queensland in a variety of capacities, including:
- The First-Year-Learning-Centre (FYLC) at the University Queensland: providing visual website design/templates as well as creating resources pertaining to high school students transitioning to first-year mathematics.
 - Course Material: designed and co-authored a comprehensive set of competency-based questions and solutions to align with course learning outcomes. This was a joint project which was supervised by academic staff.
- 2022–2025 **Private Tutoring**, *Independently*, Brisbane.
One-on-one, at-home or online private tutoring for school students of all ages in Mathematics, Physics, Chemistry, English, and History - both teaching content and providing assignment and homework help.
- 2024 **Casual Exam Invigilator**, *The University of Queensland*, Brisbane.
Invigilating In-Semester exams for the School of Mathematics and Physics - reading announcements as well as collecting and sorting exam scripts.
- MATH1040: Mathematical Foundations I
 - MATH1050: Mathematical Foundations II
 - MATH1051: Calculus and Linear Algebra I
- 2024 **Textbook Accuracy Checking**, *Jacaranda School Education*, Brisbane.
Line-by-line checking of the worked solutions and answers for new editions of high-school-level mathematics textbooks published by Jacaranda.

Research

- 2024 PHYS3900 Capstone Project - 'Recent Advances in the State Labelling Problem for the Elliot Model and Beyond' under Dr. Phillip Issac.
- 2023 University of Queensland Summer Research Scholarship Recipient in the School of Mathematics and Physics, working under Professor Tim McIntyre.

Areas of interest

- Representation theory of Kac-Moody algebras.