

# MSc Position in Experimental Optical Quantum Computing at Stellenbosch University (1-2 Years)

We are seeking a self-motivated MSc student with a background in physics and some experimental experience in an optics laboratory. The student will join an industry-linked, international research collaboration focused on investigating photonics-based quantum computing gates using optical systems.

The successful candidate will work at the intersection of quantum computing and quantum optics. The precise research direction will be guided by the needs of the collaboration as well as the student's interests and skills.

The position is based at Stellenbosch University, and relocation to Stellenbosch will be required.

**Keywords:** Quantum Optics, Quantum Computing

**Application deadline:** Applications are considered on a rolling basis; **15 April 2026** for consideration for the upcoming intake.

**Applicants must have:**

- a strong background in physics and programming (preferably Python; experience with LabVIEW is advantageous),
- some experimental experience in optics or a strong interest in hands-on experimental work,
- a BSc: Honours in Physics,
- good communication and social skills,
- a strong academic record,
- commitment and motivation.

A full bursary is available for the first year and is renewable for a second year.

Please send your application (should include your CV, Academic transcript, all degree certificates and a motivation letter) to Dr Donovan Slabbert (donovan.slabbert@nithecs.ac.za) and Dr Yaseera Ismail (yaseeraismail@sun.ac.za)