

2022 SA-CERN Programme Excellence MSc/PhD Bursary

The SA-CERN Programme seeks outstanding individuals to aid their MSc or PhD studies in research related to the CERN facility. The goal is to support a pipeline of representative, excellent students into the next generation of South African academics studying the fundamental nature of the Universe. The Excellence Bursaries will provide full cost support for the 2022 academic year. The SA-CERN Programme will also sponsor research trips to CERN aligned with projects.

Founded in 1954 and based in Geneva, Switzerland, the European Organization for Nuclear Research, known as CERN, is the largest particle physics laboratory in the world. Researchers from South Africa contribute to the ALICE, ATLAS, and ISOLDE experiments at CERN as well as the theoretical physics related to these experiments. The work in the SA-CERN Programme covers a wide range of disciplines: quantum-field theories, fundamental interactions, nuclear structure, nuclear astrophysics, solid state physics, LHC data analysis, big data and artificial intelligence, particle detectors, high-performance and high-throughput computing, digital electronics, amongst many others. SA-CERN Programme graduates have secured faculty positions in South Africa and abroad, founded their own companies, as well as worked for the largest and most important corporations in the world.

To see a list of potential supervisors and projects, visit <https://sa-cern.tlabs.ac.za/>

Requirements:

- a proven track record of excellence and clear evidence of outstanding future potential
- research project and supervisor within the SA-CERN Programme
- registration at a South African university for full-time studies from 2022
- South African citizenship

To apply:

E-mail the following documents *in one PDF file*

- your up-to-date CV
- copy of your full academic record;
- statement of purpose, which must address your 1) proposed research topic, 2) proposed supervisor, 3) career goals, 4) transformation goals;
- copy of your ID document;
- three letters of recommendation;
- copies of any research publications/reports you have (co-)authored; and
- copies of your MSc dissertation (if applying for the PhD bursary) and your Honours project (BSc (Hons) / BSc (Eng)).

to sacernexcellence@tlabs.ac.za by **15 December 2021**

For further information visit <https://sa-cern.tlabs.ac.za/>
or contact sacernexcellence@tlabs.ac.za

