



## South African Radio Astronomy Observatory

### Bachelor in Engineering Technology Scholarship Programme

#### Call for Applications for 2023

#### Application Guide

**Read this guide carefully before completing an application form**

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#### 1. Eligibility for a SARAQ Bachelor in Engineering Technology (BET) Scholarship

The South African Radio Astronomy Observatory (SARAQ) will accept applications from:

- 1.1 South African citizens and permanent residents.
- 1.2 Students who are 24 years old, or younger.
- 1.3 Students who wish to study, or are studying, towards one of the following degrees:
  - Bachelor in Engineering Technology: Electronics, or
  - Bachelor in Engineering Technology: Mechanical
- 1.4 Students who have achieved a minimum of 70% in Mathematics and Physical Science in Grade 12, or a minimum average of 60% for their core subjects at an undergraduate level.
- 1.5 Students who are currently registered for a BET, must have passed all the courses, including the core engineering courses, required in order to progress to the next academic level/year.

#### 2. Structure and Value of SARAQ Bachelor in Engineering Technology Scholarship in 2023

2.1. The duration of a SARAQ BET scholarship is:

- 2.1.1. Three years for first-year students
- 2.1.2. Two years for second-year students
- 2.1.3. One year for third-year students

2.2. The Bachelor in Engineering Technology scholarship for 2023 is R118 500. However, this scholarship value may be adjusted to consider changes in university fees and inflation.

### 3. Conditions of Award of a SARAQ Bachelor in Engineering Technology in 2023

- 3.1. Students are required to submit proof of registration at their university of technology, to SARAQ. No funds for a scholarship will be released until SARAQ has received the proof of registration.
- 3.2. A scholarship from SARAQ is renewable every six months, for the duration of the scholarship, at the sole discretion of SARAQ, and is subject to satisfactory academic performance by the student. Students must achieve a minimum of 60% average in each semester. Students who do not obtain a minimum of 60% average may not receive further funding from the SARAQ.
- 3.3. Students who do not obtain the degree for which the scholarship was awarded, relinquish their studies, or leave the tertiary institution during the period for which the scholarship was awarded, will have to refund all payments of the scholarship already received.
- 3.4. Students are allowed to hold supplementary grants, during this scholarship, to a maximum of 50% of the SARAQ award, but he/she must inform the SARAQ via his/her university of technology, of such awards.
- 3.5. If a student wishes to change his/her field of study, or the University of Technology, for which the scholarship was offered, he/she must provide a motivation to SARAQ for approval, prior to any changes. SARAQ is under no obligation to continue support if the changes do not align with the original criteria on which the scholarship offers was made.
- 3.6. On completion of the studies supported by means of an SARAQ scholarship, students are required to submit a copy of their degree to SARAQ.
- 3.7. On completion of their studies, students are required to accept employment with SARAQ, for a period of three years, if employment is offered to him/her. This condition may be waived for a student, at the sole discretion of SARAQ, and following the submission of a motivation from the student.

### 4. Application Process and Important Information

- 4.1. Application forms can be found online at <https://nrfconnect.nrf.ac.za>
- 4.2. The closing date for applications will be set by the universities of technology. Check with the university of technology where you intend registering for a BET, for their closing date, and ensure you submit your application on time.
- 4.3. No late or incomplete applications will be accepted.
- 4.4. Applications from students registered for DET who wish to change to BET will **NOT** be considered
- 4.5. Successful applicants will be notified by 10 December 2022. If you have not heard from SARAQ by 10 December 2022, please assume that your application was unsuccessful.
- 4.6. SARAQ reserves the right not to accept any application in part or whole. The decision of SARAQ is final and no correspondence will be entered into after the decision.
- 4.7. **NB! The following documents MUST be attached to your application.** Your application will not be considered if any of the required documents are not attached
  - 4.7.1. A copy of your RSA Identity Document.
  - 4.7.2. If you are in Grade 12, attach a copy of your final Grade 11 results as well as a copy of your most recent Grade 12 report.
  - 4.7.3. If you are currently registered for a BET, attach a copy of all your university of technology results.
  - 4.7.4. Two letters of reference; of which one must be from a teacher/lecturer.

4.7.5. A motivation in which you:

- a. Describe your achievements to date, explain why you have chosen to study a BET, when and why you became interested in engineering, the engineering skills you have acquired to date, and what your career aspirations are.
- b. If you have a toolbox at home, what is in your toolbox, and which tools would you like to have in your toolbox.
- c. In your own words, explain the following:
  - What is engineering?
  - The attributes you think are most important for an engineer?
  - The work of the South African Radio Astronomy Observatory (SARAO), and why an organisation such as SARAO needs engineers?

**NB: Enquiries may be directed to SARAO at [mjodwana@sarao.ac.za](mailto:mjodwana@sarao.ac.za)**