

Ti Tivi Elite Career Roadmap

Name: Nhlamulo Manganyi

Top Holland Code: Investigative (I)

Support Codes: Realistic (R), Conventional (C), Social (S)

Top Career Paths

Engineer (Mechanical or Electrical): Loves problem-solving, working with systems and hands-on tools - R20,000R50,000+

Medical Scientist / Lab Technician: Scientific and investigative with high attention to detail - R15,000R35,000

IT Systems Analyst: Analytical thinker who thrives in structured and logical environments - R18,000R45,000

Subject Choice Guide (Grade 10-12)

- English HL or FAL
- Mathematics
- Physical Sciences
- Life Sciences OR CAT
- Engineering Graphics and Design (EGD)
- Life Orientation

Study Options

- University (Wits, TUT, UCT, UL): BSc or BEng in Engineering (Mechanical, Electrical, or Mechatronics)
- University (SMU, UFS, UJ): BSc in Medical Sciences / Biomedical Technology
- TVET College: Engineering and Related Design (Mechanical, Fitting, Electrical)
- University or College (UCT, UNISA, CTU): Diploma or Degree in IT Systems or Computer Science

Learnerships & Internships

- ESKOM Artisan or Technician Learnerships
- CSIR or MRC Research Internships
- MICT SETA Learnerships (Coding, IT)
- Department of Health: Lab Internships
- NYDA Engineering Bootcamps

Bursary & Funding Leads

- NSFAS (Public university and TVET students): nsfas.org.za

- ESKOM Bursary (Engineering, Electrical & Mechanical): eskom.co.za
- HWSETA (Health science and lab technician studies): hwseta.org.za
- MICT SETA (IT and systems careers): mict.org.za

Personal Action Plan

Term 23: Focus on pure Maths and Physical Sciences. Stay consistent with marks.

Term 3: Join STEM clubs or get mentorship from a local technician or scientist.

Term 4: Research bursaries and universities (engineering, IT, or science focus).

Grade 12: Apply early to NSFAS, ESKOM, and other SETAs. Aim for academic excellence.

After Matric: Enroll in your selected course. Apply for internships to build experience.