

SAMUEL WATERS

CIVIL ENGINEERING RESEARCHER



CONTACT

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Central University of
Technology, Free State

www.civilabcut.co.za



PROFILE

Samuel Waters is a committed Civil Engineering researcher and lecturer at the Central University of Technology, Free State, currently working towards his Doctorate. With a Master's and Bachelor's in Civil Engineering, he has strong skills in research coordination, teaching, and engineering design software like AutoCAD and Civil 3D. Samuel's experience includes managing projects, delivering lectures, and applying SANS standards, reflecting his dedication to advancing engineering knowledge



WORK EXPERIENCE

Lecturer

Central University of Technology, Free State (2023 – Present)
Developed learning materials and delivered teaching programmes.

Research Coordinator

Central University of Technology, Free State (2021 – 2023)
Managed research projects and funds, coordinated with industry partners.

Part-time Lecturer

Central University of Technology, Free State (2021 – 2023)
Delivered classes, prepared course content, and assessed students.

Lecturer's Assistant

Central University of Technology, Free State (2018 – 2020)
Supported course material development and delivery.

Student Assistant & Research Assistant

Central University of Technology (2016, 2018)
Assisted soil mechanics research and laboratory testing.

Student Technician (WIL)

STRAC Consulting Engineers (2017)
Participated in civil engineering design projects and site surveys.



EDUCATION

D.Eng Civil Engineering, CUT, Free State (2023–Present)

M.Eng Civil Engineering, CUT, Free State (2019–2022)

B.Tech Civil Engineering, CUT, Free State (2018–2019)

N.Dip Civil Engineering, CUT, Free State (2015–2018)

NSC, Northern Cape High School, Kimberley (2014)



KEY SKILLS

Engineering design software (AutoCAD, Civil 3D, Prokon)

Microsoft Office, Excel VBA & Macros

GIS basics

SANS3001 and SABS standards

Academic research and public speaking

Field surveying and team collaboration



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CERTIFICATION & AWARDS



Prokon SUMO Essentials & Analysis Level 1 Certificates
Civil 3D Essentials Certificate (AutoDesk)
Best Semester 1 N.Dip Civil Engineering Student (2016)
Excel VBA & Macros Training Completion Certificate