



Central University of
Technology, Free State

JOIN THE TEAM

Ubuntu

Integrity

Diversity

Innovation

Excellence

Lecturer: Civil Engineering

FACULTY OF ENGINEERING, BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY (FEBIT) |

Department of Civil Engineering | Ref 2786



Bloemfontein Campus



About the
position

Main purpose of the job

To develop academic material and lecture in allocated subjects for own and other programmes, and to execute appropriate research and community engagement projects.

Main tasks

- | | |
|---------------------------------------|-----------------------------|
| 1. Teaching, learning, and assessment | 2. Research |
| 3. Community engagement | 4. Student Evaluation |
| 5. Administration and leadership | 6. Control and Organisation |

Subject field(s)

Geotechnical Engineering and/or Transportation Engineering



About the
appointment

Nature of appointment

Permanent Academic

Minimum salary scale (Total Cost to Company)

R 777 297 per annum

Note: CUT applies an internal parity model to determine remuneration that complies with the principle of "equal pay for work of equal value". Accordingly, the preferred candidate may expect an offer that is in line with their qualifications and years of similar experience. Please contact the Recruitment Office for more information on the applicable salary scale.



What are we
looking for?

Minimum Qualification

- A relevant Bachelor's degree (BEng, BScEng, BEngTech Hons, or equivalent) at NQF Level 8 in Civil Engineering.
- Registration as a PrEng or PrTechEng (Civil Engineering) with ECSA.
- Evidence of progress towards a Master's degree in Civil Engineering.
- At least three years' teaching/industry experience in the relevant subject field(s).

OR

- A relevant Master's degree (MEng, MScEng, MTech, or equivalent) at NQF Level 9 in Civil Engineering.
- Registration as a Candidate Engineer/Engineering Technologist supported by proof that an application for PrEng/PrTechEng (Civil Engineering) registration with ECSA was submitted and is currently under final review.
- At least two years' teaching/industry experience in the relevant subject field(s).

Knowledge and/or Experience

- **Demonstrated knowledge, proficiency, application, and practical experience of Geotechnical Eng., including:**
 - Site investigations, soil and rock logging, foundation design, slope stability, retaining structures, and soil improvement techniques at well-defined, broadly-defined, and complex levels.
 - Environmental assessments related to geotechnical engineering and soil conditions.
 - Design, construction, and management of foundations, embankments, earthworks, retaining walls, and soil stabilisation in civil engineering projects.
 - Software applications related to geotechnical engineering, e.g., GEO5 Suite, PLAXIS, Slide, gINT, DeepEX, and similar tools for the analyses, design, and reporting.



What are we looking for?

Knowledge and/or Experience

• Design codes/legislation/international technical standards:

- SANS 10400-H, G & B (Foundations, excavations & structural design).
- SANS 10161 (Design of foundations for buildings).
- SANS 2001-CM2 (Construction works for various foundation types).
- SANS 633 (Soil profiling & rotary percussion borehole logging on dolomite land).
- SANS 634 (Geotechnical investigations for township development).
- SANS 1936-1 to 4 (Development of dolomite land).
- SANS 207/SANS 8006 (Earthworks & reinforced fill structures).
- SANS 10160-5 (Basis of structural design & actions for geotechnical design).
- SABS 1200F (Piling).
- SAICE (Geotechnical Division: Site investigation code of practice).
- SAICE/SAIEG/AEG (Guidelines for soil and rock logging in South Africa).
- SANRAL (Standard specifications for subsurface investigations).
- NHBRC (Building design codes).
- ISSMGE Technical Standards (TC98 SC06 Geotechnical design & TC212 Deep foundations).

AND/OR

• Demonstrated knowledge, proficiency, application, and practical experience of Transportation Eng., including:

- Transportation engineering, transportation planning, traffic engineering and modelling, and pavement design at well-defined, broadly-defined, and complex levels.
- Environmental assessments related to transportation engineering.
- Design, construction, and management of pavements in road related projects.
- Software applications related to transportation engineering, e.g., Rubicon Toolbox, AutoDesk (AutoCAD & Civil-3D), Civil Designer, PVT Visum, and/or TransCAD.
- Design codes: SANS1200 A-N (Civil Eng. Works), SAPEM CH10 (Pavement Design), TG2-2020 (Bitumen Stabilised Materials), COTO Standard and Specifications 2020 (Road and Bridge Works), TRH26 (South African Road Classification and Access Management Manual), TMH16 (Traffic Impact and Site Traffic Assessments), TRH4 (Structural Design of Flexible Pavements for Interurban and Rural Roads), TRH14 (Classification System for Granular Materials, Gravels, and Soils in South Africa), TRH17 (Geometric Design of Rural Roads), and the UTG (Urban Transport Guidelines) Series.

Desired Qualification, Knowledge and/or Experience

- Master's degree at NQF Level 9 in Civil Engineering plus PrEng/PrTechEng (Civil Eng.) registration with ECSA if in possession of an NQF 8 qualification.
- Evidence of progress towards a Doctorate degree in Civil Engineering if in possession of a Master's degree.
- Evidence of work experience in the subject field(s) covering all phases of the project life cycle.
- Evidence of experience in research and associated outputs.
- Community engagement services in the profession, e.g., consultancies and professional activities.



Interested?

Job-Related Enquiries

Prof OJ (Jaco) Gericke ✉ jgericke@cut.ac.za

Remuneration, Benefits and Process Enquiries

Recruitment Office ✉ jobs@cut.ac.za

To find out more or to apply, visit www.cut.ac.za/careers or <https://cut-employee.simplify.hr/>

CLOSING DATE FOR APPLICATIONS – 25 July 2025

THINKING BEYOND