



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 1754



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

Engineering Drawings



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.

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.

Knowledge and/or Experience

- **Demonstrated knowledge, proficiency, application, and practical experience of:**
 - Foundational technical drawings, manual (hand) drawings, engineering CAD drawings and modelling, and the application of drawing tools/techniques in urban planning and design at well-defined and broadly-defined levels.
 - CAD drawings inclusive of sectional views and structural element sections, elevation drawings, plan layouts, reinforced concrete detailing and structural steelwork, bending schedules, orthographic and isometric projections, framework analyses, architectural drawings, contour plans and mapping, and earthworks and mass-haul diagrams.
 - CAD drawings for civil engineering infrastructure, e.g., buildings, roads, and water, stormwater, and sewer reticulation systems.
 - General civil design principles and the integration/incorporation thereof in engineering drawings.



What are we
looking for?

Knowledge and/or Experience

- Software applications related to engineering drawings, e.g., AutoDesk (AutoCAD, Civil-3D & InRoads), ArcGIS, QGIS, and SketchUp.
- A strong working knowledge of AutoDesk (AutoCAD 2D drafting and 3D modelling), e.g., ability to create and edit engineering plans, sections and detail drawings, and setting up layers, blocks, title blocks, and standard templates.
- A strong working knowledge of AutoDesk (Civil-3D), e.g., proficiency in surface modelling and terrain analyses, corridor modelling for roads and highways, intersection design, road alignments, pipe networks for water, stormwater and sewer systems, profiles, and assemblies and quantity take-offs.

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.
- AutoDesk Certification or equivalent credential.
- Evidence of work experience in the subject field 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