

VACANCY BULLETIN

LECTURER (5-Year Fixed Term)
Department of Electrical Engineering
Faculty of Engineering and the Built Environment
Post level: 08
Ref no: 26/O25B

The Department of Electrical Engineering has a **5-year fixed-term** position for a Lecturer in the Control Systems at the Pretoria Campus.

Period: 2026 until 2030

INSTRUCTIONS: Applicants are required to submit, together with the CVs, a fully completed standardised application form available from the university's intranet, as well as recently certified copies of qualifications and Identity Document. Failure to comply with this instruction will disqualify the candidate. Candidates may be subjected to appropriate psychometric testing and other selection instruments.

Key performance areas/Core functions:

- To present student-centered lectures, learning and assessments of students in related subjects.
- Be responsible for all general admin work related to the subjects, including curriculum review, updating study guides and lecturer materials on MyTUTOR, and uploading assessment marks on ITS.
- To be an active participant in the research activities of the department in the field of Control Systems and related fields.
- Lead quality teaching and learning with technology.
- Participate in curriculum development and implementation committees and development of quality graduate attributes for Control Systems at NQF levels 6 to 8.
- Responsible for and provide leadership in compiling and maintaining quality study guides, laboratory guides, subject files and other Teaching and Learning material.
- Participate in and lead departmental, faculty and institutional initiatives in collaboration with Technology Stations, Centres, Institutes and Research Niche Areas.
- Liaise with industry on course and subject levels regarding curricula, visits, research and other interactions.
- Responsible for independent research and innovation projects and associated funding.

Minimum Requirement

1. Academic qualifications:

- A master's degree (NQF level 9) in Electrical Engineering with a strong background in Control Systems.

2. Experience:

- Teaching, research and/or relevant experience in industry would be a strong recommendation.
- Experience with regards to management of academic matters, quality of programs, student affairs, human resources, facilities, finances and research projects.
- Experience in research and monitoring of postgraduate students is recommended.
- Supervisory experience in industry and/or academic fields will be a strong recommendation
- Three (3) years teaching and/or research experience and/or relevant industrial experience.
- Industry liaison and involvement in Centres, Institutes and Technology Stations, will be an advantage.
- Industry liaison and involvement in the development of new curriculum will be an added advantage.



VACANCY BULLETIN

3. Knowledge and Skills in the following would be advantageous:

- Knowledge and Skills in the following would be advantageous:
- Expertise in Control Systems.
- Experience managing research and innovation projects in the field of Control Systems.
- Knowledge of Control Systems; Modelling in the frequency domain; Modelling in the time domain; Time response; Reduction of Multiple sub-systems; Stability; Steady State Errors; Root Locus Techniques and Design via Root Locus; Frequency Response and Design via Frequency Response; Modern Control Theory (Modelling, System Analysis, Controller and Observer Design in State Space); Practical and Project (Design, model and simulate a state space controller for physical systems with the provided criteria and specifications.
- Knowledge of MATLAB.
- Experience with laboratory equipment in Control Systems.
- Knowledge of Fundamentals on Energy Conversion; Solar (Photovoltaic) Energy Conversion; Hydro Power Conversion; Wind Energy Conversion Systems; Energy Storage.
- Experience with laboratory equipment in Renewable Energy and Power Systems.

4. Registration with a professional body:

- Registration with the Engineering Council of South Africa (ECSA) as a Professional Technologist or Professional Engineer would be advantageous.

Send your CV to: recruitment15@tut.ac.za

(Please include recently certified copies of your certificate of qualification(s) and certificate of registration with the professional body with your application. Foreign qualifications must be accompanied by a certified SAQA evaluation certificate).

Enquiries: Prof JL Munda

Tel: 012 382 4824

Closing Date: 03 May 2026

If we have not responded within a month of the closing date, you should regard your application as unsuccessful. Correspondence will be entered into only with short-listed candidates. The University reserves the right not to make an appointment. Candidates will be required to undergo psychometric tests and any other simulation interventions. Candidates are also required to complete the application form for employment. The application is available on the University's website, share point, and the University's intranet.

