



UNIVERSITY OF SOUTH AFRICA

UNISA is the only publicly funded Institution in South Africa dedicated to distance education. In keeping with its mandate as a comprehensive, open and distance learning tertiary institution offering a variety of academic and career-focused programmes, the University is inviting applications for positions in the **COLLEGE OF SCIENCES, ENGINEERING AND TECHNOLOGY**.

To be considered for a position, applicants must meet all the generic requirements plus the specific requirements as stated per position. If found suitable for appointment, Unisa may offer an applicant a position at a level other than the level that was applied for. Furthermore, Unisa reserves the right to offer the applicant a contract appointment.

ACTIVITY:



TEACHING STATEMENT:

All applicants to attach a teaching statement (max 2 000 words) to their application as specified in one of the following options:

Option A: External applicants and internal applicants (from non-academic positions) – Describe how you intend to approach teaching and learning by taking into account the information in the policies listed below:

- Unisa's Tuition Policy
- Unisa's Open Distance Learning Policy
- Unisa's Assessment Policy
- Curriculum Policy
- Open Distance Learning (ODL) Pedagogy

The above mentioned Policies of UNISA can be accessed on the web using a search engine. In the event that you cannot trace the ODL Pedagogy policy finalise your teaching statement without it.

Option B: Internal applicants (from academic positions) – Explain your:

- Involvement in, or approach to, Open Distance Learning
- Approach to fostering a learner-centred approach
- Involvement in, or approach to, teaching at either undergraduate or postgraduate level
- Involvement in developing study material as an individual or in a team approach
- The extent to which you have, or would, use an electronic learning platform for teaching
- Your pass success rates in the courses you teach/taught and your plan to increase or maintain these rates
- A peer and student evaluation of your teaching
- Your involvement in and provision of learner support to students

The teaching statement must be supported by a portfolio of evidence which may be requested from short listed candidates at the interview.

ACTIVITY:



[APPLICATION FORM FOR A PERMANENT ACADEMIC POST](#)

ACTIVITY:



[FOR MORE INFORMATION ON ACADEMIC POSITIONS \(LEVELS\) OPEN THE LINK OF THE POSITION YOU WHISH TO APPLY FOR:](#)

[POSITION: PROFESSOR](#)

[POSITION: ASSOCIATE PROFESSOR](#)

[POSITION: SENIOR LECTURER](#)

[POSITION: LECTURER](#)

[POSITION: JUNIOR LECTURER](#)



The following positions exist in the various departments:

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY
CIVIL AND CHEMICAL ENGINEERING
FLORIDA-SCIENCE CAMPUS (FLORIDA)
ASSOCIATE PROFESSOR/ SENIOR LECTURER x1 : CIVIL ENGINEERING
FULL PROFESSOR/ ASSOCIATE PROFESSOR x1 : CHEMICAL ENGINEERING

Associate Professor/ Senior Lecturer x1: Civil Engineering (Ref: TA/CSET /C&C/2019 -22)

Post specific requirements for Associate Professor

- A Doctoral degree in Civil Engineering or equivalent plus experience/track record as a researcher or a professional engineer that warrants the position of an Associate Professor, and
- A BSc or BEng in Civil Engineering, or a BTech in Civil Engineering or equivalent.
- A proven record of supervision of master's or Doctoral candidates to completion
- Proven research profile and consistent publication record in peer-reviewed conference proceedings or journals in line with the Unisa Research and Innovation Policy at this level

Post specific requirements for Senior Lecturer:

- A Doctoral degree in Civil Engineering or equivalent OR a master's degree in Civil Engineering or equivalent and with a professional registration with ECSA as a Professional Engineer or a Professional Engineering Technologist, and A BSc or BEng in Civil Engineering, or a BTech in Civil Engineering equivalent.

Field of Expertise for this position

- Specialization in any one of the following:
Environmental Engineering, Urban Engineering, Geotechnical Engineering, Water Engineering, Structural Engineering, Transportation Engineering.

Experience:

- The candidate must have relevant teaching/work experience in the higher education sector

Recommendations:

- Membership of the South African Institution of Civil Engineers
- Have an NRF rating
- Experience with teaching in an Open Distance e-Learning environment
- Eligibility to register with ECSA

Full Professor/Associate Professor 1: Chemical Engineering (Ref: TA/CSET /C&C/2019 -21)

Post specific requirements for a Full Professor

- A Doctoral degree in Chemical Engineering or equivalent plus experience/track record as a researcher or a professional engineer/technologist that warrants the position of a Full Professor or an Associate Professor, and
- A BSc or BEng in Chemical Engineering, or a BTech in Chemical Engineering
- A proven record of supervision of Master's or Doctoral candidates to completion.
- Proven research profile and consistent publication record in peer-reviewed conference proceedings or journals in line with the Unisa Research and Innovation Policy at this level.

Field of Expertise for this position

Interested in applications from all areas of Chemical Engineering but particularly interested in applications from candidates working in Catalysis, Process Design, Water Treatment and Energy

Experience:

- The candidate must have relevant teaching/work experience in the higher education sector

Recommendations:

- Membership of the South African Institution of Chemical Engineers
- Have an NRF rating
- Experience with teaching in an Open Distance e-Learning environment

**COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY
SCHOOL OF ENGINEERING
SCIENCE CAMPUS (FLORIDA)
SENIOR LECTURER x1: INDUSTRIAL ENGINEERING
LECTURER x1: INDUSTRIAL ENGINEERING
LECTURER x1: MECHANICAL ENGINEERING**

Senior Lecturer Industrial Engineering (Ref: TA/CSET /I&M/2019 -23)

Post specific requirements for Senior Lecturer

Requirements for Senior Lecturer:

- A Doctoral degree in Industrial Engineering OR a master's degree in Industrial Engineering and equivalent and with a professional registration with ECSA as a Professional Engineer or a Professional Engineering Technologist, and
- A BSc or BEng in Industrial Engineering, or a BTech in Industrial Engineering,

Field of Expertise for this position

Specialization in any of the following areas: Systems Engineering, Engineering Graphics, Operation Research, Quantitative Techniques, Logistics Engineering, Industrial Accounting and Engineering Costing

Experience:

- The candidate must have relevant teaching/work experience

Recommendations:

- Membership of the South African Institution of Industrial Engineering
- Experience with teaching in an Open Distance e-Learning environment

Lecturer × 1: Mechanical Engineering (Ref: TA/CSET /I&M/2019 -24)**Post specific requirements for Lecturer:**

- A Master's degree in Mechanical Engineering or equivalent OR professional registration with ECSA as a candidate Engineer or candidate Engineering Technologist and
- a BSc or BEng in Mechanical Engineering or equivalent

Field of Expertise for this position

- Specialization in any of the following areas: Solid Mechanics, mechanical Engineering design Finite elements modelling and computational modelling.

Experience:

- The candidate must have relevant teaching/work experience

Recommendations:

- Membership of the South African Institution of Mechanical Engineering
- Experience with teaching in an Open Distance e-Learning environment

Lecturer × 2: Industrial Engineering (Ref: TA/CSET /I&M/2019 -25)**Post specific requirements for Lecturer:**

- A Master's degree in Industrial Engineering or equivalent OR professional registration with ECSA as a candidate Engineer or a candidate Engineering Technologist, and
- a BSc or BEng in Industrial Engineering, or a BTech in Industrial Engineering or equivalent

Field of Expertise for this position

- Specialization in any of the following areas:
Systems Engineering, Engineering Graphics, Operation Research, Quantitative Techniques, Logistics Engineering, Industrial Accounting and Engineering Costing

Experience:

- The candidate must have relevant teaching/work experience

Recommendations:

- Membership of the South African Institution of Industrial Engineering
- Experience with teaching in an Open Distance e-Learning environment

Salary	:	Remuneration is commensurate with the seniority of the position
Assumption of duty	:	As soon as possible
Enquiries	:	Mr TA Masego – 011 670 9237 Mr J Maano – 011 670 9081
Closing Date	:	6 November 2019 (Deliver application before close of business at 16:00)

Your [APPLICATION FORM FOR A PERMANENT ACADEMIC POST](#) must be accompanied by a COMPREHENSIVE CURRICULUM VITAE and;

- identity document (*including passport, work permit, permanent residence permit or proof of nationalisation if applicable*) (certified copies within the previous six months);
 - all educational qualifications (certified copies within the previous six months);
 - academic transcripts/records (certified copies within the previous six months);
 - proof of SAQA verification for foreign qualifications (if applicable) (certified copies within the previous six months)
 - **for ACADEMIC POSITIONS** a teaching statement (refer to page 1 of advertisement).
- UNISA reserves the right to authenticate all qualifications without any further consent from the applicant.
 - The contact details of three contactable references must be provided, one of which must be from your present employer excluding your current line manager if you are an internal Unisa applicant
 - **Late, incomplete and incorrect applications will not be considered.**
 - Unisa is not obliged to fill an advertised position
 - *Appointments will be made in accordance with Unisa's Employment Equity Plan and other applicable legislation.*



- **We welcome applications from Persons with Disabilities**

ACTIVITY:



- Applications must be posted to Unisa HR: College of Science, Engineering and Technology, NB Pityana Building, Room 1-23, Science Campus, P/Bag X 6, Florida, 1710.
- Hand delivered applications can be deposited into the Application Box (marked COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY) situated at Science Campus: NB Pityana Building, Office 01-037, 1st Floor.
- If you apply for more than one position, each application must be in a separate envelope.



- **Applications which are posted in the wrong application box will not be considered.**
- **Applications via email will not be considered.**
- **Late, incomplete and incorrect applications will not be considered.**

Correspondence will be limited to short-listed candidates only. If you have not been contacted within two months after closing date of this advertisement, please accept that your application was not successful.