



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 SCIENCE, 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-centered 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:

DEPARTMENT OF CIVIL AND CHEMICAL ENGINEERING
SCHOOL OF ENGINEERING
X1 ASSOCIATE PROFESSOR: CIVIL ENGINEERING
X1 SENIOR LECTURER/LECTURER: CIVIL ENGINEERING
X1 LECTURER/JUNIOR LECTURER: CIVIL ENGINEERING
X1 LECTURER/JUNIOR LECTURER : LAND SURVEYING
X1 LECTUER : CHEMICAL ENGINEERING
FLORIDA-SCIENCE CAMPUS

Associate Professor (X1): Civil Engineering

(Ref: CSET/TM/C&C/002)

Post specific requirements for Associate Professor

- Associate Professor: A Doctoral degree in Civil Engineering or equivalent plus eligibility in terms of qualifications and experience to register with ECSA as a Professional Engineer or a Professional Engineering Technologist (if not already registered) plus experience/track record as a researcher or a professional engineer that warrants the position of Associate Professor.
- Candidates should be specialised in one of these fields: Geotechnical Engineering or Structural Engineering or Transportation Engineering or Water Engineering or Environmental Engineering

Recommendation:

- Membership of the South African Institute of Civil Engineers

Senior Lecturer/Lecturer (X1): Civil Engineering

(Ref: CSET/TM/C&C/003)

Post specific requirements for Senior Lecturer

- Senior Lecturer: A Doctoral degree in Civil Engineering or equivalent plus eligibility in terms of qualifications and experience to register with ECSA
OR
a Master's degree in Civil Engineering or equivalent plus registration with ECSA as a Professional Engineer or a Professional Engineering Technologist plus a commitment to register for a Doctoral degree
- Candidates should be specialised in one of these fields: Geotechnical Engineering or Structural Engineering or Transportation Engineering or Water Engineering or Environmental Engineering or Urban Engineering

Recommendation:

- Membership of the South African Institute of Civil Engineers
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Post specific requirements for Lecturer:

- Lecturer: A Master's degree in Civil Engineering or equivalent plus eligibility in terms of qualifications and experience to register with ECSA

OR

a Bachelor's degree in Civil Engineering or equivalent plus registration with ECSA as a Professional Engineer or a Professional Engineering Technologist plus a commitment to register for a Master's degree.

- Candidates should be specialised in one of these fields: Geotechnical Engineering or Structural Engineering or Transportation Engineering or Water Engineering or Environmental Engineering or Urban Engineering

Recommendation:

- Membership of the South African Institute of Civil Engineers

Lecturer/ Junior Lecturer (X1): Civil Engineering

(Ref: CSET/TM/C&C/004)

Post specific requirements for Lecturer:

- Lecturer: A Master's degree in Civil Engineering or equivalent plus eligibility in terms of qualifications and experience to register with ECSA

OR

a Bachelor's degree in Civil Engineering or equivalent plus registration with ECSA as a Professional Engineer or a Professional Engineering Technologist plus a commitment to register for a Master's degree.

- Candidates should be specialised in the fields of Structural Engineering or Construction Management or Water Engineering or Environmental Engineering or Urban Engineering

Recommendation:

- Membership of the South African Institute of Civil Engineers

Junior Lecturer

Post specific requirements for Junior Lecturer:

- Junior Lecturer: a Bachelor's degree in Civil Engineering or a Baccalaureus Technologiae in Civil Engineering plus eligibility to register with ECSA as a Professional Engineer or a Professional Engineering Technologist plus a commitment to register for a Master's degree.
- Candidates should be specialised in the fields of Structural Engineering or Construction Management or Water Engineering or Environmental Engineering or Urban Engineering

Recommendation:

- Membership of the South African Institute of Civil Engineers

Lecturer/ Junior Lecturer (X1): Land Surveying

(Ref: CSET/TM/C&C/005)

Post specific requirements for Lecturer:

- Lecturer: A Master's degree in Land Surveying or equivalent plus eligibility in terms of qualifications and experience to register professionally.

OR

a four year Bachelor's degree in Land Surveying or equivalent plus professional registration plus a commitment to register for a Master's degree.

Post specific requirements for Junior Lecturer:

- Junior Lecturer: a four year Bachelor's degree in Land Surveying or equivalent plus eligibility to register professionally plus a commitment to register for a Master's degree.

Recommendation:

HOW TO APPLY: See last page of advertisement

- Membership of the South African Geomatics Council.

Lecturer (X1): Chemical Engineering

(Ref: CSET/TM/C&C/006)

Lecturer

Post specific requirements for Lecturer:

- Lecturer: A Master's degree in Chemical Engineering or equivalent plus eligibility in terms of qualifications and experience to register with ECSA
OR
a Bachelor's degree in Chemical Engineering or equivalent plus registration with ECSA as a Professional Engineer or a Professional Engineering Technologist plus a commitment to register for a Master's degree.

Recommendation:

- Membership of the South African Institute of Chemical Engineers

**COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY
SCHOOL OF SCIENCE: DEPARTMENT OF MATHEMATICAL SCIENCES
ASSOCIATE PROFESSOR APPLIED MATHEMATICS X1
ASSOCIATE PROFESSOR PURE MATHEMATICS X1
SENIOR LECTURER X3
FLORIDA-SCIENCE CAMPUS**

ASSOCIATE PROFESSOR (1 POST)

(Ref: CSET/TM/MATH/006)

Post specific requirements for Associate Professor:

- Qualifications
 - A relevant Doctoral degree in Pure Mathematics.
- Research
 - Proven research profile and consistent publication record in high quality peer-reviewed journals.
 - Proven record of supervision of masters or doctoral candidates to completion.

The following would be an advantage:

- NRF rating or proof of application for NRF rating.
- Experience with teaching in an ODL environment.
- Any objective evidence of student or peer evaluation.
- Any evidence of research grants obtained or applied for.

ASSOCIATE PROFESSOR (1 POST)

(Ref: CSET/TM/MATH/007)

Post specific requirements: Associate Professor

- Qualifications
 - A relevant Doctoral degree in Applied Mathematics.
- Research
 - Proven research profile and consistent publication record in high quality peer-reviewed journals.
 - Proven record of supervision of masters or doctoral candidates to completion.

The following would be an advantage:

- NRF rating or proof of application for NRF rating.
- Experience with teaching in an ODL environment.
- Any objective evidence of student or peer evaluation.
- Any evidence of research grants obtained or applied for.

SENIOR LECTURER (3 POSTS)

(Ref: CSET/TM/MATHS/008)

Post specific requirements for Senior Lecturer

- Qualifications
 - A relevant Doctorate in Mathematics or Applied Mathematics or applicable qualification at NQF level 10.
- Research
 - Proven research profile and consistent publication record in high quality peer-reviewed journals.
 - Potential to supervise postgraduate students.

The following would be an advantage:

- NRF rating or proof of application for NRF rating.
- Any experience with teaching in an ODL environment.
- Any evidence of student or peer evaluation.
- Evidence of membership in at least one relevant professional body or learned society.
- Any experience with teaching in an ODL environment.

SCHOOL OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND MINING ENGINEERING
Professor/Associate Professor (x1) Electrical Engineering
Senior Lecturer/Lecturer/ (x1) Electrical Engineering
Technical Officer (x1) : Electrical Engineering
FLORIDA-SCIENCE CAMPUS

Professor/Associate Professor (x1) Electrical Engineering

(Ref: CSET/TM/E&M/009)

Post specific requirements for Professor/Associate Professor

- Professor/Associate Professor: A Doctoral degree at NQF Level 10 in Electrical Engineering or equivalent plus eligibility in terms of qualifications and experience to register with ECSA as a Professional Engineer or a Professional Engineering Technologist.
- Proven research profile and consistent publication record in peer-reviewed conference proceedings or journals.
- Supervision of industrial or academic research projects.
- Proven ability to supervise research students to completion.
- Proven ability to take leadership in course/curricula design and development where applicable.
- Willingness to participate in departmental, school, college and University committees including working task teams and voluntary associations.

- Preference will be given to candidates who have specialised in Power Engineering, High Voltage Engineering, Mechatronics or Alternative Energy.

Recommendation:

- Membership of the South African Institute of Electrical Engineers.

Senior Lecturer/Lecturer/ (x1) Electrical Engineering

(Ref: CSET/TM/E&M/009)

Post specific requirements for Senior Lecturer/Lecturer

- Senior Lecturer: A Doctoral degree a NQF level 10 in Engineering or equivalent plus eligibility to register with ECSA or a Master's degree at NQF level 9 in Electrical Engineering or equivalent plus registration with ECSA as a Professional Engineer or a Professional Engineering Technologist plus willingness to register for a Doctoral degree.
- Lecturer: A Master's Degree at NQF level 9 in Electrical Engineering or equivalent plus eligibility in terms of qualifications and experience to register with ECSA, or a Bachelor's degree in Electrical Engineering at NQF level 8 or equivalent plus registration with ECSA as a Professional Engineer or a Professional Engineering Technologist plus willingness to register for a Master's Degree.
- Preference will be given to candidates who have specialised in Power Engineering, High Voltage Engineering, Mechatronics or Alternative Energy.

Recommendation:

- Membership of the South African Institute of Electrical Engineers.

Technical Officer (x1) : Electrical Engineering

***A skills test will be conducted**

(Ref: CSET/TM/E&M/010)

Post specific requirements for Technical Officer

Qualifications:

- A Bachelor Degree in Electrical Engineering or a National Diploma in Electrical Engineering with ECSA registration as a candidate Professional Technician or Technologist. Candidates with a National Diploma in Electrical Engineering who have registered for a B Tech-Electrical may also be considered.
- Ability to make a reasonable presentation in a topic related to any electrical engineering practical's.

Duties:

- Manage and conduct practical's for National Diploma and BTech: Electrical Engineering.
- Develop and maintain laboratories used for undergraduate practicals and postgraduate research.
- Take responsibility for Safety, Health and Environment documentation and procedures.

Recommendations:

- Laboratory/workshop experience.
- Willingness to participate in community engagement project/activities.
- Willingness to enrol for the next level degree.
- Ensure a safe environment for students and staff in laboratories.

Salary : Remuneration is commensurate with the seniority of the position

Assumption of duty : As soon as possible
Enquiries :
Mr Titus Masego (Tel. 011 670-9237)

Closing Date : **17 March 2017** (*Deliver application before close of business at 16:00*)

Your **[APPLICATION FORM FOR A PERMANENT ACADEMIC POST](#)** must be accompanied 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, Science Campus –Florida, College of Science Engineering and Technology, Human Resources, Attention: Mr Titus Masego, P Bag x6 ,Florida,
- Hand delivered applications can be deposited into the Application Box (marked COLLEGE OF SCIENCE ENGINEERING AND TECHNOLOGY) situated at the Science Campus-Florida Corner of Christian de Wet and Pioneer Road , Florida, NB Pityana Building, First Floor, in front of Room 1-23.
- 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.