



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 other than academic positions) – Describe how you intend to approach teaching and learning by considering 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 (ODeL) Pedagogy

The above-mentioned Policies of UNISA can be accessed on the web using a search engine. If you cannot trace the ODeL 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 WISH TO APPLY FOR:

POSITION: PROFESSOR

POSITION: ASSOCIATE PROFESSOR

POSITION: SENIOR LECTURER

POSITION: LECTURER

POSITION: JUNIOR LECTURER

 The following positions exist in the various fields :

**COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY
SCHOOL OF SCIENCE
DEPARTMENT OF MATHEMATICAL SCIENCES
FLORIDA-SCIENCE CAMPUS (FLORIDA)
FULL PROFESSOR/ ASSOCIATE PROFESSOR IN PURE MATHEMATICS X1
SENIOR LECTURER/ LECTURER IN PURE/APPLIED MATHEMATICS X2
JUNIOR LECTURER IN PURE/APPLIED MATHEMATICS X1**

(ACADEMIC) BACKGROUND	CANDIDATES WITH A RESEARCH OR ACADEMIC
(NON-ACADEMIC)	CANDIDATES FROM INDUSTRY

Full Professor/ Associate Professor x1: Pure Mathematics (Ref: [CSET/MATHS/JM-92](#))

Post specific requirements for Professor:

- The candidate must have at least a Doctorate in Pure Mathematics
- 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: *Seven accredited research output points over the previous 5 years or five accredited research output points over the previous 3 years.*
- A proven record of supervision of postgraduate Masters and Doctoral students to completion.

Experience:

- Minimum of 5 years teaching/work/relevant experience

Post specific requirements for Associate Professor:

- The candidate must have at least a Doctorate in Pure Mathematics
- 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: *Six accredited research output points over the previous 5 years or four accredited research output points over the previous 3 years.*
- A proven record of supervision of postgraduate Masters and Doctoral students to completion.

Experience:

- Minimum of 4 years teaching/work/relevant experience

RECOMMENDATION

- A specialization in Algebra
- NRF Rating

Lecturer: Pure/Applied Mathematics x2 (Ref: CSET/MATHS/JM-93)

Post specific requirements for Lecturer:

- The candidate must have at least a Master's degree in Pure/Applied Mathematics
- Proof of registration for a relevant Doctoral Degree.

Experience:

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

Recommendation:

- Demonstrable progress towards completion of degree

Junior Lecturer: Pure/Applied Mathematics x1 (Ref: CSET/MATHS/JM-94)

Post specific requirements for Junior Lecturer:

- The candidate must have at least an Honours degree in Pure/Applied Mathematics
- Proof of registration for a relevant Master's Degree.

Experience:

- Demonstratorship/tutorship or marking experience is required.

Recommendation:

- Teaching or working experience in the Higher Education sector.

**COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY
SCHOOL OF ENGINEERING
DEPARTMENT OF CIVIL AND CHEMICAL ENGINEERING
FLORIDA-SCIENCE CAMPUS (FLORIDA)
FULL PROFESSOR/ ASSOCIATE PROFESSOR X1: CHEMICAL ENGINEERING**

(ACADEMIC) BACKGROUND	CANDIDATES WITH A RESEARCH OR ACADEMIC
(NON-ACADEMIC)	CANDIDATES FROM INDUSTRY

Full Professor/Associate Professor X1: Chemical Engineering (Re-advert) (Ref: CSET/C&C/JM-18)

Post specific requirements for Associate Professor /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 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
- Eligibility to Register with the Engineering Council of South Africa
- 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
DEPARTMENT OF INDUSTRIAL AND MECHANICAL ENGINEERING
FLORIDA-SCIENCE CAMPUS (FLORIDA)
ASSOCIATE PROFESSOR X1: MECHANICAL ENGINEERING
ASSOCIATE PROFESSOR X1: INDUSTRIAL ENGINEERING**

(ACADEMIC) BACKGROUND	CANDIDATES WITH A RESEARCH OR ACADEMIC
(NON-ACADEMIC)	CANDIDATES FROM INDUSTRY

Associate Professor 1: Mechanical Engineering (Ref: CSET/M&I/JM-20)

Post specific requirements for Associate Professor:

- A Doctoral degree in Mechanical Engineering or equivalent plus eligibility in terms of qualification and experience to register with ECSA as a Professional Engineer/Technologist (if not already registered) and research track record.
- A BSc or BEng in Mechanical Engineering, or a BTech in Mechanical Engineering
- 5 years relevant teaching/work/relevant experience
- 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: *Six accredited research output points over the previous 5 years or four accredited research output points over the previous 3 years.*
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion.
- Involvement in industry-based research, community engagement and the ability to attract external funding.

- **Recommendations:**
- Membership with the South African Institution of Mechanical Engineering (SAIMechE)
- Experience with teaching in an Open Distance e-Learning environment
- NRF Rating
- A proven track record of successful mentoring of Postdoctoral Fellows.

Associate Professor x1: Industrial Engineering (Ref: CSET/M&I/JM-21)

Requirements for Associate Professor:

- A Doctoral degree in Industrial Engineering or equivalent plus eligibility in terms of qualification and experience to register with ECSA as a Professional Engineer/Technologist (if not already registered) and research track record.
- 5 years relevant teaching/work/relevant experience
- A BSc or BEng in Industrial Engineering, or a BTech in Industrial Engineering
- 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: *Six accredited research output points over the previous 5 years or four accredited research output points over the previous 3 years.*
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion.
- Involvement in industry-based research, community engagement and the ability to attract external funding.

Recommendations:

- Membership with the South African Institution of Industrial Engineering (SAIIE)
- Experience with teaching in an Open Distance e-Learning environment
- NRF Rating
- A proven track record of successful mentoring of Postdoctoral Fellows.

Salary : Remuneration is commensurate with the seniority of the position.
Assumption of duty : As soon as possible.

Enquiries : **011 670 9237 Mr J Maano**

Closing Date : **02 October 2020** (*Email 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 emailed to CSET2PA@unisa.ac.za
- If you apply for more than one position, each application must be on a separate email.
- Use the reference number as the subject line



- **Applications emailed to the wrong email address 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.