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 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

ACTIVITY:

The teaching statement must be supported by a portfolio of evidence which may be requested from short listed candidates at the interview.
Candidates are expected to submit a research reflection or portfolio

ACTIVITY:

APPLICATION FORM FOR A PERMANENT ACADEMIC POST.docx

☞ **The following positions exist in the various departments:**

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY (CSET)
FLORIDA CAMPUS
INSTITUTE FOR CATALYSIS AND ENERGY SOLUTIONS (ICES)
PERMANENT POSITIONS
SENIOR LECTURER X8
APPLICANTS WHO HAVE APPLIED BEFORE ARE WELCOME TO APPLY AGAIN

The Institute for Catalysis and Energy Solutions (ICES) is a research institute within the College of Science, Engineering and Technology (CSET) that addresses current and emerging issues related to clean energy solutions, to solve energy problems for tomorrow. ICES focuses on developing advanced strategic leadership in both fundamental and applied catalysis research for energy solutions. This is achieved by educating and mentoring graduate students through multidisciplinary collaborations with researchers and industry, aiming for a climate change-responsive and sustainable world for a better society. ICES has five Focus Research Platforms or Thematic Areas: (i) Chemical Fuel Energy; (ii) Hydrogen Energy; (iii) Fuel Cell Energy; (iv) Electrochemical Energy Storage, and (v) Waste-to-Energy, which advance the development of integrated energy solutions technologies.

Senior Lecturer (X2): Chemical Fuel Energy
(Ref.ICES/2026-01/Re-Ad/SL-CFE)

Post specific requirements for Senior Lecturer:

- A Doctoral degree in Chemical Engineering or Chemistry or equivalent.
- Candidates must have a proven track record in the field of Clean Chemical Energy Production through Heterogeneous Catalytic processes, including one of Fischer-Tropsch, Carbon Capture and Utilization, and Sustainable Aviation Fuels (SAFs) Production.
- Minimum of 3 years relevant teaching/relevant experience in catalysis and energy-related areas.
- Proven research profile and consistent publication record in accredited journal articles, peer-reviewed conference proceedings, or book chapters or books in line with the Unisa Research and Innovation Policy.

Recommendations:

- Industry/research council work.
- Professional Registration with a relevant professional body
- Participation in Departmental, Research Institute, School, College and University committees, including workplace committees.
- NRF rating or eligibility to apply for rating.

Senior Lecturer (X1): Hydrogen Energy
(Ref.ICES/2026-02/Re-Ad/SL-HE)

Post specific requirements for Senior Lecturer:

- A Doctoral degree in Chemical Engineering or Chemistry or equivalent.
- Candidates must have a proven track record in the field of Advanced Catalytic Material Design and application for Hydrogen Production (Photocatalytic, Electrocatalytic or Photoelectrocatalytic) or Hydrogen Storage.
- Experience in Hydrogen Energy Systems Device Integration and Assembly.
- Minimum of 3 years relevant teaching/relevant experience in catalysis and energy-related areas.
- Proven research profile and consistent publication record in accredited journal articles, peer-reviewed conference proceedings, or book chapters or books in line with the Unisa Research and Innovation Policy.

Recommendations:

- Industry/research council work.
- Professional Registration with a relevant professional body

- Participation in Departmental, Research Institute, School, College and University committees, including workplace committees.
- NRF rating or eligibility to apply for rating.

Senior Lecturer (X2): Fuel Cell Energy
(Ref.ICES/2026-03/Re-Ad/SL-FCE)
Post specific requirements for Senior Lecturer:

- A Doctoral degree in Chemical Engineering or Chemistry or equivalent.
- Candidates must have a proven track record in the field of Electrochemistry, Electrochemical Energy Material Design and Application in the field of Fuel Cell Conversion and Devices.
- Experience in Fuel Cell Device Integration and Assembly.
- Minimum of 3 years relevant teaching/relevant experience in catalysis and energy-related areas.
- Proven research profile and consistent publication record in accredited journal articles, peer-reviewed conference proceedings, or book chapters or books in line with the Unisa Research and Innovation Policy.

Recommendations:

- Industry/research council work.
- Professional Registration with a relevant professional body
- Participation in Departmental, Research Institute, School, College and University committees, including workplace committees.
- NRF rating or eligibility to apply for rating.

Senior Lecturer (X2): Electrochemical Energy Storage
(Ref.ICES/2026-04/Re-Ad/SL-EES)
Post specific requirements for Senior Lecturer:

- A Doctoral degree in Chemical Engineering or Chemistry or equivalent.
- Candidates must have a proven track record in Electrochemistry, Electrochemical Energy Material design and application in the field of Batteries and Supercapacitors.
- Experience in Energy Storage Device Integration and Assembly.
- Minimum of 3 years relevant teaching/relevant experience in catalysis and energy-related areas.
- Proven research profile and consistent publication record in accredited journal articles, peer-reviewed conference proceedings, or book chapters or books in line with the Unisa Research and Innovation Policy.

Recommendations:

- Industry/research council work.
- Professional Registration with a relevant professional body
- Participation in Departmental, Research Institute, School, College and University committees, including workplace committees.
- NRF rating or eligibility to apply for rating.

Senior Lecturer (X1): Waste to Energy
(Ref.ICES/2026-05/SL-WE)
Post specific requirements for Senior Lecturer:

- A Doctoral degree in Chemical Engineering or Chemistry or equivalent.
- Candidates must have a proven track record in the field of Waste conversion processes to energy, including Biogas, Biofuels, Biomass Fuel Chemicals.
- Experience in recycling, recovery and re-use of Waste Energy Materials.
- Minimum of 3 years relevant teaching/relevant experience in catalysis and energy-related areas.

- Proven research profile and consistent publication record in accredited journal articles, peer-reviewed conference proceedings, or book chapters or books in line with the Unisa Research and Innovation Policy.

Recommendations:

- Industry/research council work.
- Professional Registration with a relevant professional body
- Participation in Departmental, Research Institute, School, College and University committees, including workplace committees.
- NRF rating or eligibility to apply for rating.

Salary : Remuneration is commensurate with the seniority of the position

Assumption of duty : As soon as possible.

Enquiries : **011 670 9081 Mr MJ Maano**

011 670 9237 Mr TA Masego

Closing Date : **27 May 2026** *(Email application before close of business at 16:00).*

APPLICATIONS TO BE FORWARDED AS FOLLOWS:	
Applications for the Department of: • Institute for Catalysis and Energy Solutions **Should all be forwarded to:**	Mr MJ Maano CSET2PA@unisa.ac.za

Your **APPLICATION FORM FOR A PERMANENT ACADEMIC POST.docx** 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:

- **If you apply for more than one position, each application must be on a separate email.**

- **Applications emailed to the wrong email address will not be considered.**
- **Late, incomplete and incorrect applications will not be considered.**

All applications should reach UNISA before 16h00 on the closing date.

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.