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

SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL AND ENVIRONMENT ENGINEERING AND BUILDING SCIENCE

SCIENCE CAMPUS (FLORIDA)

PROFESSOR X1

SENIOR LECTURER X2

LECTURER X1

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

Professor (X1): Civil and Environment Engineering and Building Science

(Ref.CSET/2026/Re-Ad7/P-CEEBS- 01)

Post specific requirements for Professor:

- A Doctoral Degree in Civil Engineering
- A Bachelor of Science (BSc) or a Bachelor of Engineering (BEng) in Civil Engineering, or a Bachelor of Technology (BTech) in Civil Engineering, or a Bachelor of Engineering Technology Honours (BEngTechHons) in Civil Engineering
- Registration with the Engineering Council of South Africa (ECSA) as a Professional Engineer or Professional Engineering Technologist, or Application for Professional Registration in process.
- At least 5 years of teaching/work/relevant experience
- Proven research profile and consistent publication record in peer-reviewed publications (journals, conference proceedings, book chapters and books). In line with the Unisa Research and Innovation Policy at this level(Research Output Units.
- A proven record of supervision of postgraduate Masters and Doctoral students to completion.

Field of Expertise:

- The candidate must have expertise in at least one of the following research areas:
- Transportation Engineering or Water Engineering or Geotechnical engineering or Construction materials or Structural engineering or Environmental engineering, or Construction management

Recommendations:

- Professional Registration with ECSA
- NRF rating
- Evidence of research grants obtained or applied for
- Experience with reflexive/ODL research
- Participation in departmental, school, college and University committees including workplace committees or task teams and voluntary associations.
- Participation in community engagement projects

Senior Lecturer (X1): Construction Management: Civil and Environment Engineering and Building Science

(*Ref.CSET/2026/new/SL-CEEBS/CM-02)*

Post specific requirements for Senior Lecturer:

- A Doctoral Degree in Construction management.
- A Bachelor of Science (BSc) or a Bachelor of Engineering (BEng) in Civil Engineering or Construction Management, or a Bachelor of Technology (BTech) in Civil Engineering or Construction Management, or a Bachelor of Engineering Technology Honours (BEngTechHons) in Civil Engineering or Construction Management.

- At least 3 years of teaching work/relevant experience.
- Professional registration with the South African Council of Project and Construction Management Professions (SACPCMP) is mandatory.
- Proven research profile and consistent publication record in peer-reviewed publications (journals, conference proceedings, book chapters and books) in line with the Unisa Research and Innovation Policy at this level.

Field of Expertise:

- The candidate must have expertise in any field of Construction management.

Recommendations:

- NRF rating
- Evidence of research grants obtained or applied for
- Experience with reflexive/ODL research
- Participation in departmental, school, college and University committees, workplace committees, task teams and voluntary associations.
- Participation in community engagement projects.

Senior Lecturer (X1): Civil Engineering: Civil and Environment Engineering and Building Science
(Ref.CSET/2026/new/SL-CEEBS/CE-03)

Post specific requirements for Senior Lecturer:

- A Doctoral Degree in Civil Engineering.
- A Bachelor of Science (BSc) or a Bachelor of Engineering (BEng) in Civil Engineering, or a Bachelor of Technology (BTech) in Civil Engineering, or a Bachelor of Engineering Technology Honours (BEngTechHons) in Civil Engineering
- Registration with the Engineering Council of South Africa (ECSA) as a Professional Engineer or Professional Engineering Technologist, or Application for Professional Registration in process.
- At least 3 years of teaching work/relevant experience.
- Proven research profile and consistent publication record in peer-reviewed publications (journals, conference proceedings, book chapters and books) in line with the Unisa Research and Innovation Policy at this level.

Field of Expertise:

- The candidate must have expertise in any field of Civil Engineering.

Recommendations:

- NRF rating
- Evidence of research grants obtained or applied for
- Experience with reflexive/ODL research
- Participation in departmental, school, college and University committees, workplace committees, task teams and voluntary associations.
- Participation in community engagement projects.

Junior Lecturer (X1): Civil and Environment Engineering and Building Science
(Ref.CSET/2026/new/JL-CEEBS-04)

Post specific requirements for Junior Lecturer:

- A Masters degree in Civil Engineering.
- A Bachelor of Science (BSc) or a Bachelor of Engineering (BEng) in Civil Engineering, or a Bachelor of Technology (BTech) in Civil Engineering, or a Bachelor of Engineering Technology Honours (BEngTechHons) in Civil Engineering.
- Registration with the Engineering Council of South Africa (ECSA) as a Professional Engineer or Professional Engineering Technologist, or Application for Professional Registration in process.

- At least 1 year of teaching/work/relevant experience.
- In the final stages of completing a PhD.

Field of Expertise:

- The candidate must have expertise in Geotechnical Engineering.

Recommendations:

- Experience with reflexive/ODL research
- Participation in departmental, school, college and University committees, workplace committees, task teams, and voluntary associations.
- Participation in community engagement projects

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY
SCHOOL OF ENGINEERING
DEPARTMENT OF MINING MINERALS AND GEOMATICS ENGINEERING
FLORIDA-SCIENCE CAMPUS (FLORIDA)
ASSOCIATE PROFESSOR X1
SENIOR LECTURER X1

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

Associate Professor (X1): Mining Minerals and Geomatics Engineering

(Ref.CSET/2026/Re-Ad7/AP-MMGE-05)

Post specific requirements Associate Professor.

- A Doctoral degree in Mining Engineering or equivalent plus experience/track record as a researcher for a position of Associate Professor
- A BSc or BEng in Mining Engineering, or a BTech in Mining Engineering
- A proven record of supervision of master's OR Doctoral candidates to completion
- Registration with the Engineering Council of South Africa (ECSA) as a Professional Engineer or Professional Engineering Technologist, or Application for Professional Registration in process.
- 4 years teaching/work/relevant experience
- Proven research profile and consistent publication record in peer-reviewed conference proceedings, journal articles, book chapters, or books in line with the Unisa Research and Innovation Policy at this level.

Field of Expertise:

- The candidate must have expertise in at least one of the following research areas:
  Rock Engineering, Mine Design and Planning, Mine Mechanisation, Mineral Economics, Geostatistics and Geometallurgy.

Recommendations:

- NRF rating
- Evidence of research grants obtained or applied for
- Experience in reflexive/ODL teaching environment
- Participation in departmental, school, college and University committees including workplace committees or task teams and voluntary associations.
- Participation in community engagement projects

Senior Lecturer (X1): Mining Minerals and Geomatics Engineering

(Ref.CSET/2026/new/SL-MMGE-06)

Post specific requirements Senior Lecturer

- A Doctoral degree in Mining Engineering or equivalent
- A Bachelor of Science in Engineering (BSc(Eng)) or a Bachelor of Engineering (BEng) in Mining Engineering, or a Bachelor of Technology (BTech) in Mining Engineering, or a Bachelor of Engineering Technology Honours (BEngTechHons) in Mining Engineering
- Registration with the Engineering Council of South Africa (ECSA) as a Professional Engineer or Professional Engineering Technologist, or Application for Professional Registration in process
- 3 years teaching/work/relevant experience
- Proven research profile and consistent publication record in peer-reviewed conference proceedings, journal articles, book chapters, or books in line with the Unisa Research and Innovation Policy at this level.

Field of Expertise:

- The candidate must have expertise in at least one of the following research areas:
  Mine Design and Planning, Mine Mechanisation, Mineral Economics, Mine Safety, as well as Geostatistics and Geometallurgy.

Recommendations:

- Supervision of Master's candidates to completion
- Experience with reflexive or Open Distance Learning (ODL) research
- Participation in departmental, school, college and University committees including workplace committees or task teams and voluntary associations
- Participation in community engagement projects.

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

SCHOOL OF ENGINEERING AND BUILT ENVIRONEMENT

DEPARTMENT OF MECHANICAL, BIORESOURCES &

BIOMEDICAL ENGINEERING

SCIENCE CAMPUS (FLORIDA)

PROFESSOR/ASSOCIATE PROFESSOR X1
LECTURER X1

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

Full Professor /Associate Professor× 1: Mechanical, Bioresources and Biomedical Engineering

(Ref.CSET/2026/new/PAP-MBBE-07)

Post specific requirements for Professor:

- A Doctoral Degree in Mechanical Engineering or Biomedical Engineering or equivalent.
- A BSc (Eng) or BEng in Mechanical or Biomedical or Aeronautical Engineering, or a BTech in Mechanical or Biomedical or Aeronautical Engineering or equivalent.
- Professional registration with the Engineering Council of South Africa (ECSA) as a Professional Engineer or Professional Engineering Technologist or Professional registration in progress.
- At least 5 years of teaching/work/relevant experience
- Proven research profile and consistent publication record in peer-reviewed publications (journals, conference proceedings, book chapters and books). In line with the Unisa Research and Innovation Policy at this level.
- A proven record of supervision of Master's AND Doctoral students to completion.

Field of Expertise:

- The candidate must have expertise in at least one of the following research areas:
- Soft Tissue Mechanics and Computational Modelling or Aeronautic Studies or Solid Mechanics or Mechanical Design.

Recommendations:

- NRF rating
- Evidence of research grants obtained or applied for.
- Experience in reflexive/ODL teaching environment.
- Participation in departmental, school, college and University committees including workplace committees or task teams and voluntary associations.
- Participation in community engagement projects.

Post specific requirements for <u>Associate Professor:</u>

- A Doctoral Degree in Mechanical Engineering or Biomedical Engineering or equivalent.
- A BSc (Eng) or BEng in Mechanical or Biomedical or Aeronautical Engineering, or a BTech in Mechanical or Biomedical or Aeronautical Engineering or equivalent.
- Professional registration with the Engineering Council of South Africa (ECSA) as a Professional Engineer or Professional Engineering Technologist or Professional registration in progress.
- At least 4 years of teaching/work/relevant experience
- Proven research profile and consistent publication record in peer-reviewed publications (journals, conference proceedings, book chapters and books). In line with the Unisa Research and Innovation Policy at this level.
- A proven record of supervision of Master's OR Doctoral students to completion.

Field of Expertise:

- The candidate must have expertise in at least one of the following research areas:
- Soft Tissue Mechanics and Computational Modelling or Aeronautic Studies or Solid Mechanics or Mechanical Design.

Recommendations:

- NRF rating
- Evidence of research grants obtained or applied for
- Experience in reflexive/ODL teaching environment
- Participation in departmental, school, college and University committees including workplace committees or task teams and voluntary associations.
- Participation in community engagement projects

<u>Lecturer ×1: Mechanical, Bioresources and Biomedical Engineering</u>

(Ref.CSET/2026/Re-Ad2/L-MBBE-08)

Post specific requirements for <u>Lecturer:</u>

- A Doctoral Degree in Mechanical Engineering or Biomedical Engineering or equivalent.
- A BSc (Eng) or BEng in Mechanical or Biomedical, or a BTech in Mechanical or Biomedical Engineering or equivalent.
- Professional registration with the Engineering Council of South Africa (ECSA) as a Professional Engineer or Professional Engineering Technologist or Professional registration in progress.
- At least 2 years of teaching/work/relevant experience

Field of Expertise:

- The candidate must have expertise in any field in Mechanical or Biomedical Engineering.

Recommendations:

- Experience with reflexive/ODL teaching environment
- Participation in departmental, school, college and University committees, workplace committees, task teams, and voluntary associations.
- Participation in community engagement projects.

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

SCHOOL OF ENGINEERING

DEPARTMENT OF INDUSTRIAL ENGINEERING AND ENGINEERING MANAGEMENT

SCIENCE CAMPUS (FLORIDA)

PROFESSOR/ ASSOCIATE PROFESSOR X1

SENIOR LECTURER X1

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

Associate Professor (X1): Industrial Engineering and Engineering Management
(Ref.CSET/2026/new/AP-IEEM-09)

Post specific requirements for Associate Professor:

- A Doctoral Degree in Industrial Engineering or equivalent
- A BSc (Eng) or BEng in Industrial Engineering or a BTech in Industrial Engineering or equivalent.
- Professional registration with the Engineering Council of South Africa (ECSA) as a Professional Engineer or Professional Engineering Technologist, or Professional registration in progress
- At least 4 years of teaching/work/relevant experience
- Proven research profile and consistent publication record in peer-reviewed publications (journals, conference proceedings, book chapters and books). In line with the Unisa Research and Innovation Policy at this level.
- A proven record of supervision of Master's or Doctoral students to completion.

Field of Expertise:

- The candidate must have expertise in at least one of the following research areas:
  Supply chain management, Advanced Manufacturing (Industry 4/5.0), Systems Engineering, Automotive Engineering and Human Factors.
- Key research topics include simulation modelling, AI/machine learning applications, sustainability, and healthcare systems.

Recommendations:

- NRF rating
- Evidence of research grants obtained or applied for
- Experience in reflexive/ODL research and teaching in an ODL environment
- Participation in departmental, school, college and University committees, including workplace committees or task teams and voluntary associations.
- Participation in community engagement projects

Senior Lecturer (X1): Industrial Engineering and Engineering Management
(Ref.CSET/2026/Re-Ad4/SL-IEEM-10)

Post specific requirements for Senior Lecturer:

- A Doctoral degree in Industrial Engineering or equivalent plus experience/track record as a researcher or a professional engineer that warrants the position of Senior Lecturer, and
- A BSc or BEng in Industrial Engineering, or a BTech in Industrial Engineering or equivalent.
- Registration with the Engineering Council of South Africa (ECSA) as a Professional Engineer or Professional Engineering Technologist, or Application for Professional Registration in process.
- 3 years 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.

- A proven record of supervision of postgraduate master's or Doctoral students to completion.

Field of Expertise:

- The candidate must have expertise in at least one of the following research areas:
  Systems Engineering, Enterprise Architecture, Design for Manufacture, Material and Process Selection, Operation Research, Quantitative Techniques, Industrial Engineering Design, Industrial Accounting and Engineering Costing

Recommendations:

- NRF rating
- Evidence of research grants obtained or applied for
- Experience with reflexive/ODL research
- Participation in departmental, school, college and University committees including workplace committees or task teams and voluntary associations.
- Participation in community engagement projects.

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

SCHOOL OF ENGINEERING

DEPARTMENT OF CHEMICAL MATERIALS ENGINEERING

SCIENCE CAMPUS (FLORIDA)

SENIOR LECTURER X1

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

Senior Lecturer (X1): Chemical and Materials Engineering

(Ref.CSET/2026/Re-Ad/SL-CME-11)

Post specific requirements for Senior Lecturer:

- A Doctoral degree in Chemical Engineering or equivalent plus experience/track record as a researcher for a position of Senior Lecturer.
- A BSc (Eng) or BEng in Chemical Engineering, or a BTech in Chemical Engineering.
- Registration with the Engineering Council of South Africa (ECSA) as a Professional Engineer or Professional Engineering Technologist, or Application for Professional Registration in process.
- Minimum of 3 years relevant experience in the teaching and curriculum development of Chemical Engineering at undergraduate and postgraduate levels at a tertiary institution.
- Proven research profile and consistent publication record in peer-reviewed conference proceedings, journal articles, book chapters or books in line with the Unisa Research and Innovation Policy at this level.

Field of Expertise:

- Interested in applications from all areas of Chemical Engineering but particularly interested in applications from candidates working in Engineering Education (ODeL), Catalysis, Process Design, Advanced and Applied Materials, Energy, Waste to Energy, Water and Wastewater Treatment.

Recommendations:

- NRF rating
- Evidence of research grants obtained or applied for
- Experience with reflexive/ODL research
- Participation in departmental, school, college and University committees including workplace committees or task teams and voluntary associations.

- Participation in community engagement projects.

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

SCHOOL OF COMPUTING

DISCIPLINE OF COMPUTER SCIENCE

SCIENCE CAMPUS (FLORIDA)

PROFESSOR/ ASSOCIATE PROFESSOR (P4/P5) X3

SENIOR LECTURER (P6) X3

LECTURER (P7) X1

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

Professor/Associate Professor (X3): Computer Science

(Ref.CSET/2026/new/PAP-CS-12)

Post specific requirements for Professor:

- A Doctorate degree or equivalent in Computer Science or related field
- Candidates should hold both an undergraduate degree and postgraduate qualifications in Computer Science or related field.
- Proven research profile and consistent publication record in accredited journals, peer-reviewed conference proceedings, books, or book chapters in line with the Unisa Research and Innovation Policy at this level.
- A proven record of supervising postgraduate students to completion, including one doctoral student, or appropriate industry experience will be considered.
- 5-year teaching/ relevant work experience.
- Experience in leadership including leadership in different committees.

Field Requirements:

- Research in the following field:
  - Artificial Intelligence and Machine Learning.
  - Data Science and Big Data
  - Theoretical Computer Science

Recommendations:

- Experience in teaching in an Open Distance Learning pedagogy
- NRF Rated
- Record for obtaining external funding.
- Experience in Program Development, Program Review, and Program Qualification Miz
- Experience in academic leadership
- Experience in participating in engaged scholarship (Community Engagement)

Post specific requirements for Associate Professor:

- A Doctorate degree in Computer Science or related field
- Candidates should hold both an undergraduate degree and higher qualifications in Computer Science or a related field.
- Proven research profile and consistent publication record in accredited journals, peer-reviewed conference proceedings, books, or book chapters in line with the Unisa Research and Innovation Policy at this level
- A proven record of supervising postgraduate students to completion, including one master's student, or appropriate industry experience, will be considered.
- 4-year teaching/work experience
- Experience in leadership, including leadership in different committees.

Field Requirements:

- Research in the following field:
    - Artificial Intelligence and Machine Learning.
    - Data Science and Big Data
    - Theoretical Computer Science

Recommendations:

- Experience in teaching in an Open Distance Learning pedagogy
- NRF Rated
- Record for obtaining external funding.
- Experience in Program Development, Program Review, and Program Qualification Miz
- Experience in academic leadership
- Experience in participating in engaged scholarship (Community Engagement)

Senior Lecturer (X3): Computer Science

(*Ref.CSET/2026/new/SL-CS-13)*

Post specific requirements for Senior Lecturer:

- A Doctorate degree in Computer Science or related field
- Candidates should hold both an undergraduate degree and higher qualifications in Computer Science or a related field.
- Proven research profile and consistent publication record in accredited journals, peer-reviewed conference proceedings, books, or book chapters in line with the Unisa Research and Innovation Policy at this level
- 3-year teaching/work experience
- Experience as a member committees

Field Requirements:

- Research in the following field:
    - Artificial Intelligence and Machine Learning.
    - Data Science and Big Data
    - Theoretical Computer Science

Recommendations:

- Experience in teaching in an Open Distance Learning pedagogy
- NRF Rated
- Record for obtaining external funding.
- Experience in Program Development, Program Review, and Program Qualification Miz
- Experience in academic leadership
- Experience in participating in engaged scholarship (Community Engagement)

Lecturer (X1): Computer Science

(*Ref.CSET/2026/new/L-CS-14)*

Post specific requirements Lecturer:

- A Doctorate degree in Computer Science or related field
- A research profile with publications in accredited journals, peer-reviewed conference proceedings, books, or book chapters in line with the Unisa Research and Innovation Policy or appropriate industry experience will be considered.
- Evidence of supervision of Honours students or appropriate industry experience will be considered.
- 2-year teaching/work experience

Field Requirements:

- Research in the following field:
    - Artificial Intelligence and Machine Learning.
    - Data Science and Big Data
    - Theoretical Computer Science

Recommendations:

- NRF rating
- History of attracting funding
- Experience in teaching in an ODeL environment
- Participating in Engaged Scholarship (Community Engagement)
- Experience in participating in different committees in the department, school, or external bodies.

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

SCHOOL OF COMPUTING

DISCIPLINE OF INFORMATION SYSTEMS

SCIENCE CAMPUS (FLORIDA)

PROFESSOR/ ASSOCIATE PROFESSOR X1 (P4/P5)

SENIOR LECTURER (P6) X1

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

Professor P4/ Associate Professor P5 (X4): Information Systems
(*Ref.CSET/2026/new/PAP-IS-15)*

Post specific requirements for Professor:

- A Doctorate degree in Information Systems or equivalent
- Candidates should hold both an undergraduate degree and higher qualifications in Information Systems
- Proven research profile and consistent publication record in accredited journals, peer-reviewed conference proceedings, books, or book chapters in line with the Unisa Research and Innovation Policy at this level
- 5 years teaching/work/relevant experience
- A proven record of supervision of postgraduate Master's and Doctoral students to completion
- Participating in Engaged Scholarship (Community Engagement).

Field of Expertise:

Systems Analysis & Design, Information Systems Development (ISD), Database Management & Data Engineering, Data Analytics & Business Intelligence, Enterprise Systems, IT Governance, Strategy & Management, Human–Computer Interaction (HCI), Cybersecurity & Information Assurance, IT Infrastructure & Cloud Computing, Digital Change Management, Organizational & Behavioural IS Research, Artificial Intelligence in IS, Health Information Systems.

Recommendations:

- Minimum NRF rating
- Experience and preparedness to advance Open Distance Learning pedagogy.

Post specific requirements for Associate Professor:

- A Doctorate degree in Information Systems or equivalent
- Candidates should hold both an undergraduate degree and higher qualifications in Information Systems
- Proven research profile and consistent publication record in accredited journals, peer-reviewed conference proceedings, books, or book chapters in line with the Unisa Research and Innovation Policy at this level
- 4 years teaching/work/relevant experience
- A proven record of supervision of postgraduate master's or Doctoral students to completion
- Participating in Engaged Scholarship (Community Engagement)

Field of Expertise:

Systems Analysis & Design, Information Systems Development (ISD), Database Management & Data Engineering, Data Analytics & Business Intelligence, Enterprise Systems, IT Governance, Strategy & Management, Human–Computer Interaction (HCI), Cybersecurity & Information Assurance, IT

Infrastructure & Cloud Computing, Digital Change Management, Organizational & Behavioural IS Research, Artificial Intelligence in IS, Health Information Systems.

Recommendations:

- Minimum NRF rating
- Experience and preparedness to advance Open Distance Learning pedagogy.

Senior Lecturer P6 (X3): Information Systems

(*Ref.CSET/2026/new/SL-IS-16)*

Post specific requirements for Senior Lecturer:

- A Doctorate degree in Information Systems or equivalent
- A Research profile with publications in accredited journals, peer-reviewed conference proceedings, books, or book chapters in line with the Unisa Research and Innovation Policy or appropriate industry experience will be considered.
- 3 years teaching/work/relevant experience
- Participating in Engaged Scholarship (Community Engagement)

Field of Expertise:

Systems Analysis & Design, Information Systems Development (ISD), Database Management & Data Engineering, Data Analytics & Business Intelligence, Enterprise Systems, IT Governance, Strategy & Management, Human–Computer Interaction (HCI), Cybersecurity & Information Assurance, IT Infrastructure & Cloud Computing, Digital Change Management, Organizational & Behavioural IS Research, Artificial Intelligence in IS, Health Information Systems.

Recommendations:

- Experience and preparedness to advance Open Distance Learning pedagogy.
- Participation in Departmental, School, College, and University committees, including workplace committees or task teams and voluntary associations.

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

SCHOOL OF COMPUTING

CENTRE FOR AUGMENTED INTELLIGENCE AND DATA SCIENCE (CAIDS)

SCIENCE CAMPUS (FLORIDA)

5 YEAR CONTRACT WITH BENEFITS

PROFESSOR/ ASSOCIATE PROFESSOR X4 (P4/P5)

Through research, CAIDS integrates Artificial Intelligence and Data Science into key areas, such as medicine, education, and renewable energy, to directly contribute to shaping a future where these technologies serve the communities across Africa and globally. CAIDS, therefore, values the potential for AI technologies to break down language and cultural barriers by providing accessible and personalised services that cater to diverse needs, thus aligning with Unisa's vision of transcending such barriers and serving every country on the African continent.

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

Professor/Associate Professor P5 (X1): Data Science
(*Ref.CSET/2026/Re-Ad2/PAP-CAIDS/DS-17)*

Post specific requirements for Professor:

- A doctorate degree in computer science/information systems/information technology or related fields in science, engineering and technology.
- Candidate must have a proven track record in the field of Data Science, specifically applied to at least two of these areas: Artificial Intelligence of Things (AIoT), Artificial Intelligence Ethics, Education Technology (learner analytics), Healthcare Data Analytics, Data Science in Renewable Energy, and Sentiment Analysis in student support.
- Candidate must have a proven research profile and consistent publication record in accredited journals, peer-reviewed conference proceedings, books or book chapters in line with the Unisa Research and Innovation Policy at this level.
- 5 years of teaching/work/relevant experience.
- A proven record of supervision of postgraduate Master's and Doctoral students to completion.
- Involvement in industry-based research, engaged scholarship and a proven record of attracting external funding.

Recommendations:

- NRF rating.
- A proven track record of successful mentoring of Postdoctoral Fellows.

Post specific requirements for Associate Professor:

- Candidate must have a proven track record in the field of Data Science, specifically applied to at least two of these areas, Artificial Intelligence of Things (AIoT), Artificial Intelligence Ethics, Education Technology (learner analytics), Healthcare Data Analytics, Data Science in Renewable Energy, Sentiment Analysis in student support.
- Candidate must have a proven research profile and consistent publication record in accredited journals, peer-reviewed conference proceedings, books or book chapters in line with the Unisa Research and Innovation Policy at this level.
- 4 years of teaching/work/relevant experience.
- A proven record of supervision of postgraduate master's students to completion.
- Involvement in industry-based research, engaged scholarship and the ability to attract external funding.

Recommendations:

- NRF rating.
- A proven track record of successful mentoring of Postdoctoral Fellows will be an added advantage.

Professor/Associate Professor P4 (X1): Natural Language Processing
(*Ref.CSET/2026/Re-Ad2/PAP-CAIDS/NLP-18)*

Post specific requirements for Professor:

- A doctorate degree in computer science/information systems/information technology or related fields in science, engineering and technology.
- Candidate must have a proven track record in the field of Natural Language Processing, specifically applied to at least two of these areas: Speech and Voice Recognition Systems, Smart Assistants, Healthcare Systems, Language Translation, and Text Analytics.
- Candidate must have a proven research profile and consistent publication record in accredited journals, peer-reviewed conference proceedings, books or book chapters in line with the Unisa Research and Innovation Policy at this level.
- 5 years of teaching/work/relevant experience.
- A proven record of supervision of postgraduate Master's and Doctoral students to completion.

- Involvement in industry-based research, engaged scholarship and a proven record of attracting external funding.

Recommendations:

- NRF rating.
- A proven track record of successful mentoring of Postdoctoral Fellows.

Post specific requirements for <u>Associate Professor:</u>

- Candidate must have a proven track record in the field of Natural Language Processing, specifically applied to at least two of these areas: Speech and Voice Recognition Systems, Smart Assistants, Healthcare Systems, Language Translation, and Text Analytics.
- Candidate must have a proven research profile and consistent publication record in accredited journals, peer-reviewed conference proceedings, books or book chapters in line with the Unisa Research and Innovation Policy at this level.
- 4 years of teaching/work/relevant experience.
- A proven record of supervising postgraduate master's students to completion.
- Involvement in industry-based research, engaged scholarship and the ability to attract external funding.

Recommendations:

- NRF rating.
- A proven track record of successful mentoring of Postdoctoral Fellows.

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

INSTITUTE FOR NANOTECHNOLOGY AND WATER SUSTAINABILITY

SCIENCE CAMPUS (FLORIDA)

PROFESSOR X1

ASSOCIATE PROFESSOR X1

ASSOCIATE PROFESSOR X3

SENIOR LECTURER X1

The Institute for Nanotechnology and Water Sustainability (iNanoWS) is a research Institute of the College of Science, Engineering and Technology (CSET) that addresses current and emerging issues relating to Water Quality and Water Scarcity. iNanoWS focuses on the development of Nanotechnology enhanced smart materials and their application in Water Treatment and Water Sustainability. iNanoWS has two Research Focus areas namely Nanoscience and Water Sustainability. The Institute is further divided into the following thematic areas; Membrane Science and Technology, Nanostructured Materials, Applied Electrochemistry, the Urban Water Cycle and Water Treatment Technologies, Water and Health and Analytical & Environmental Research.

<u>Professor (X1): Analytical and Environment Research</u>
(Ref.CSET/2026/Re-Ad3/P-AER-19)

Post specific requirements for <u>Professor:</u>

- Doctorate in Analytical Chemistry, Water Science/Environmental Science or Environmental Engineering or equivalent.
- Candidate must have a proven track record in the field of Analytical and Environmental research with specific expertise on applications to both chemical and microbial emerging pollutants in aquatic systems.
- Proven research track record in ability to handle Analytical Instruments, analytical work covering different type of matrices, with aspects of toxicology and risk assessment.
- 5 years 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.
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion.
- A proven track record of successful mentoring of Postdoctoral Fellows.
- Mentoring of junior staff and the ability to attract external funding in the relevant field of research and collaboration with other researchers, both nationally and internationally.

Recommendation:

- An NRF C rating (or above) will be an added advantage.
- Registration with South African Professional bodies such as SACNASP and ECSA.

Associate Professor (X1): Urban Water Cycle and Water Treatment Technologies

(Ref.CSET/2026/Re-Ad5/AP-UWCWTT-20)

Post specific requirements for Associate Professor:

- Doctorate in Chemistry/ Water Science/ Environmental Science, Environmental Engineering or equivalent.
- Candidate must have a proven track record in the field of the Urban Water Cycle and treatment technologies with expertise in Natural Organic Matter dynamics in drinking water treatment, emerging micro pollutants research and design of innovative water treatment technologies.
- 4 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.
- A proven record of supervision of postgraduate students (master's and Doctoral) to completion or appropriate industry experience will be considered.
- Involvement in industry-based research, engaged scholarship and the ability to attract external funding.

Recommendations:

- Registration South African Professional Bodies such as SACNASP and ECSA.
- A proven track record of successful mentoring of Postdoctoral Fellows.
- An NRF rating will be an added advantage.

Associate Professor (X3): Membrane Science and Technology

(Ref.CSET/2025/new/AP-MST-21)

Post specific requirements for Associate Professor:

- Doctorate in Chemistry, Water Science/Environmental Science or Environmental Engineering, Chemical Engineering or equivalent.
- Candidate must have a proven track record in the field of Membrane Science and Technology. The candidate must possess expertise in the understanding of the fundamentals of Membrane Science and Technology; specifically, the design, fabrication, preparation and application of innovative membrane materials and modules for various purposes such as water treatment, seawater desalination, acid mine drainage treatment and gas separation.
- 4 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.
- A proven record of supervision of postgraduate students (master's and Doctoral) to completion or appropriate industry experience will be considered.
- Involvement in industry-based research, engaged scholarship and the ability to attract external funding.

Recommendations:

- Registration South African Professional Bodies such as SACNASP and ECSA.
- A proven track record of successful mentoring of Postdoctoral Fellows.
- An NRF rating will be an added advantage.

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY (CSET)
Florida Campus
INSTITUTE FOR CATALYSIS AND ENERGY SOLUTIONS (ICES)
PERMANENT POSITIONS
PROFESSOR: CHEMICAL FUEL ENERGY X 2
PROFESSOR: HYDROGEN ENERGY X 1
PROFESSOR: FUEL CELL ENERGY X 1
PROFESSOR: ELECTROCHEMICAL ENERGY STORAGE X 2
PROFESSOR: WASTE TO ENERGY X 1
ASSOCIATE PROFESSOR: HYDROGEN ENERGY X 2
ASSOCIATE PROFESSOR: FUEL CELL ENERGY X 1
SENIOR LECTURER: CATALYSIS AND ENERGY RESEARCH X 8

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.

Professor (X2): Chemical Fuel Energy
(Ref.ICES/2026/new/P-CFE-22)

Post specific requirements for Professor:

- Doctorate in Chemical Engineering, 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.
- Minimum of 5 years of academic teaching/relevant experience.
- 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.
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion.
- Involvement in Engaged Scholarship or Community Engagement.
- Proven record of mentoring junior staff.
- Ability to attract external funding in the relevant field of research and collaboration with other researchers, both nationally and internationally.

Recommendations:

- Industry/research council work.
- Process Synthesis Experience
- Professional Registration with a relevant professional body.
- Participation in Departmental, Research Institute, School, College and University committees. including workplace committees or task teams and voluntary associations.
- NRF rating or eligibility to apply for rating.
- Involvement in industry-based research projects.

Professor (X1): Hydrogen Energy
(Ref.ICES/2026/new/P-HE-23)
Post specific requirements for Professor:

- Doctorate in Chemistry or Chemical Engineering 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 5 years of academic teaching/relevant experience for Professor.
- 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.
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion.
- Involvement in Engaged Scholarship or Community Engagement
- Proven record of mentoring junior staff.
- Ability to attract external funding in the relevant field of research and collaboration with other researchers, both nationally and internationally.

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 or task teams and voluntary associations.
- NRF rating or eligibility to apply for rating.
- Involvement in industry-based research projects.

Professor (X2): Electrochemical Energy Storage
(Ref.ICES/2026/new/P-EES-24)
Post specific requirements for Professor:

- Doctorate in Chemistry, Chemical Engineering, 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 5 years of academic teaching/relevant experience for a Professor.
- 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.
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion.
- Involvement in Engaged Scholarship or Community Engagement.
- Proven record of mentoring junior staff.
- Ability to attract external funding in the relevant field of research and collaboration with other researchers, both nationally and internationally.

Recommendations:

- Industry/research council work.
- Computational and Simulation modelling of Energy Materials related to catalytic processes.
- 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.
- Involvement in industry-based research projects.

Professor (X1): Fuel Cell Energy
(Ref.ICES/2026/new/P-FCE-25)
Post specific requirements for Professor:

- Doctorate in Chemistry, Chemical Engineering, 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 5 years of academic teaching/relevant experience for a Professor.
- 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.
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion.
- Involvement in Engaged Scholarship or Community Engagement.
- Proven record of mentoring junior staff.
- Ability to attract external funding in the relevant field of research and collaboration with other researchers, both nationally and internationally.

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.
- Involvement in industry-based research projects.

Professor (X1): Waste to Energy
(Ref.ICES/2026/new/P-WE-26)
Post specific requirements for Professor:

- Doctorate in Chemistry, Chemical Engineering, 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 5 years of academic teaching/relevant experience for a Professor.
- Proven research profile and consistent publication record with research output units in accredited journal articles, peer-reviewed conference proceedings, or book chapters or books in line with the Unisa Research and Innovation Policy at this level for the Research Institute.
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion.
- Involvement in Engaged Scholarship or Community Engagement.
- Proven record of mentoring junior staff.
- Ability to attract external funding in the relevant field of research and collaboration with other researchers, both nationally and internationally.

Recommendations:

- Industry/research council work.
- Computational and Simulation modelling of Energy Materials related to catalytic processes.
- Professional Registration with a relevant professional body
- Participation in Departmental, Research Institute, School, College and University committees, including workplace committees or task teams and voluntary associations.
- NRF rating or eligibility to apply for rating.
- Involvement in industry-based research projects.

Associate Professor (X2): Hydrogen Energy

(Ref.ICES/2026/new/AP-HE-27)

Post specific requirements for Associate Professor:

- Doctorate in Chemistry or Chemical Engineering 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 4 years of academic teaching/relevant experience for Associate Professor.
- 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.
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion in the relevant research field.
- Involvement in Engaged Scholarship or Community Engagement
- Proven record of mentoring junior staff.
- Ability to attract external funding in the relevant field of research and collaboration with other researchers, both nationally and internationally.

Recommendations:

- Industry/research council work.
- Computational and Simulation modelling of Energy Materials related to catalytic processes.
- 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.
- Involvement in industry-based research projects.

Associate Professor (X1): Fuel Cell Energy

(Ref.ICES/2026/new/AP-FCE-28)

Post specific requirements for Associate Professor:

- Doctorate in Chemistry, Chemical Engineering, 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 4 years of academic teaching/relevant experience for an Associate Professor.
- 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.
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion in the relevant research field.
- Involvement in Engaged Scholarship or Community Engagement.
- Proven record of mentoring junior staff.
- Ability to attract external funding in the relevant field of research and collaboration with other researchers, both nationally and internationally.

Recommendations:

- Industry/research council work.
- Computational and Simulation modelling of Energy Materials related to catalytic processes.
- 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.

- Involvement in industry-based research projects.

Senior Lecturer (X2): Chemical Fuel Energy
(Ref.ICES/2026/new/SL-CFE-29)
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.
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion. Involvement in Engaged Scholarship or Community Engagement.
- Ability to attract external funding in the relevant field of research and collaboration with other researchers, both nationally and internationally.

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/new/SL-HE-30)
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.
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion. Involvement in Engaged Scholarship or Community Engagement.
- Ability to attract external funding in the relevant field of research and collaboration with other researchers, both nationally and internationally.

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/new/SL-FCE-31)

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.
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion. Involvement in Engaged Scholarship or Community Engagement.
- Ability to attract external funding in the relevant field of research and collaboration with other researchers, both nationally and internationally.

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/new/SL-EES-32)

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.
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion. Involvement in Engaged Scholarship or Community Engagement.
- Ability to attract external funding in the relevant field of research and collaboration with other researchers, both nationally and internationally.

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/new/SL-WE-33)

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.
- A proven record of supervision of postgraduate (Masters and Doctoral) students to completion. Involvement in Engaged Scholarship or Community Engagement.
- Ability to attract external funding in the relevant field of research and collaboration with other researchers, both nationally and internationally.

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.
- Involvement in industry-based research projects.

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

SCHOOL OF SCIENCE

DEPARTMENT OF PHYSICS

FLORIDA-SCIENCE CAMPUS (FLORIDA)

PROFESSOR/ASSOCIATE PROFESSOR X4 PHYSICS

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

Full Professor / Associate Professor ×2: Experimental Solid-State Physics
(*Ref.CSET/2026/new/PAP-PHY/ESSP-34)*

Post specific requirements Professor:

- A Doctoral degree in Physics with specialization in experimental solid-state physics.
- A minimum of 5 years of relevant experience in teaching and curriculum development for Physics at both undergraduate and postgraduate levels in a tertiary institution.
- A proven research profile and consistent publication record in reputable peer-reviewed journals, conference proceedings, book chapters, or books in line with the Unisa Research and Innovation Policy at this level.
- Record of successful supervision of postgraduate dissertations and thesis of MSc and PhD students to completion.
- Evidence of mentoring junior staff members and success in securing external research funding.

Field of Expertise:

- A record of accomplishment in the field of experimental solid-state physics and/or materials science.

Recommendations:

- Experience with teaching and learning in an ODeL environment.
- Active academic citizenship roles.
- Proven record of international collaborations.
- Experience in multidisciplinary research activities.
- Industrial or government collaborations.

- Evidence of involvement in community engagement project/s
- NRF rating or proof of application for NRF rating will be an advantage
- Registration with a professional body, such as SAIP, to mention a few.
- Must specify their expertise in at least five key equipment in our research laboratories, such as HR-TEM, HR-SEM, RAMAN, FTIR, DLTS, PPMS, XPS, UV-VIS-NIR, AFM, Raman, FTIR, Ellipsometer, XRD, tunable photoluminescence lasers, thermoluminescence system, electron deposition systems, and ESR, CytoViva Hyperspectral microscopy, Electrical measurement system among others.

Post specific requirements <u>Associate Professor:</u>

- A Doctoral degree in Physics with specialization in experimental solid-state physics.
- A minimum of 4 years of relevant experience in teaching and curriculum development for Physics at both undergraduate and postgraduate levels in a tertiary institution.
- A proven research profile and consistent publication record in reputable peer-reviewed journals, conference proceedings, book chapters, or books in line with the Unisa Research and Innovation Policy at this level.
- Record of successful supervision of postgraduate dissertations and thesis of MSc and PhD students to completion.
- Evidence of mentoring junior staff members and success in securing external research funding.

Field of Expertise:

- A record of accomplishment in the field of experimental solid-state physics and/or materials science.

Recommendations:

- Experience with teaching and learning in an ODeL environment.
- Active academic citizenship roles.
- Proven record of international collaborations.
- Experience in multidisciplinary research activities.
- Industrial or government collaborations.
- Evidence of involvement in community engagement project/s
- NRF rating or proof of application for NRF rating will be an advantage
- Registration with a professional body, such as SAIP, to mention a few.
- Must specify their expertise in at least five key equipment in our research laboratories, such as HR-TEM, HR-SEM, RAMAN, FTIR, DLTS, PPMS, XPS, UV-VIS-NIR, AFM, Raman, FTIR, Ellipsometer, XRD, tunable photoluminescence lasers, thermoluminescence system, electron deposition systems, and ESR, CytoViva Hyperspectral microscopy, Electrical measurement system among others.

<u>Full Professor / Associate Professor ×1: Theoretical Solid-State Physics</u>
(*Ref.CSET/2026/new/PAP-PHY/TSSP-35)*

Post specific requirements Professor:

- A Doctoral degree in Physics with specialization in theoretical solid-state physics.
- A minimum of 5 years of relevant experience in teaching and curriculum development for Physics at both undergraduate and postgraduate levels in a tertiary institution.
- A proven research profile and consistent publication record in reputable peer-reviewed journals, conference proceedings, book chapters, or books in line with the Unisa Research and Innovation Policy at this level.
- Record of successful supervision of postgraduate dissertations and thesis of MSc and PhD students to completion.
- Evidence of mentoring junior staff members and success in securing external research funding.

Field of Expertise:

- A record of accomplishment in the field of theoretical solid-state physics and/or materials science.

Recommendations:

- Experience with teaching and learning in an ODeL environment.
- Active academic citizenship roles.
- Proven record of international collaborations.
- Experience in multidisciplinary research activities.

- Industrial or government collaborations.
- Evidence of involvement in community engagement project/s
- NRF rating or proof of application for NRF rating will be an advantage
- Registration with a professional body, such as SAIP, to mention a few.
- Computational physicists or computational materials physicists, advanced programming skills in any scientific programming language, such as Fortran, Python, or C++, are required, and competence in machine learning is advantageous.
- Ability to simulate experiments and provide theoretical support and modelling for the experimental group.

Post specific requirements <u>Associate Professor:</u>

- A Doctoral degree in Physics with specialization in theoretical solid-state physics.
- A minimum of 4 years of relevant experience in teaching and curriculum development for Physics at both undergraduate and postgraduate levels in a tertiary institution.
- A proven research profile and consistent publication record in reputable peer-reviewed journals, conference proceedings, book chapters, or books in line with the Unisa Research and Innovation Policy at this level.
- Record of successful supervision of postgraduate dissertations and thesis of MSc and PhD students to completion.
- Evidence of mentoring junior staff members and success in securing external research funding.

Field of Expertise:

- A record of accomplishment in the field of theoretical solid-state physics and/or materials science.

Recommendations:

- Experience with teaching and learning in an OD*e*L environment.
- Active academic citizenship roles.
- Proven record of international collaborations.
- Experience in multidisciplinary research activities.
- Industrial or government collaborations.
- Evidence of involvement in community engagement project/s
- NRF rating or proof of application for NRF rating will be an advantage
- Registration with a professional body, such as SAIP, to mention a few.
- Computational physicists or computational materials physicists, advanced programming skills in any scientific programming language, such as Fortran, Python, or C++, are required, and competence in machine learning is advantageous.
- Ability to simulate experiments and provide theoretical support and modelling for the experimental group.

<u>Full Professor / Associate Professor ×1: Experimental and Computational Theoretical Solid-State Physics</u> (*Ref.CSET/2026/new/PAP-PHY/ECTSSP-36)*

Post specific requirements <u>Professor:</u>

- A Doctoral degree in Physics with expertise in both experimental and computational theoretical solid-state physics or materials science.
- A minimum of 5 years of relevant experience in teaching and curriculum development for Physics at both undergraduate and postgraduate levels in a tertiary institution.
- A proven research profile and consistent publication record in reputable peer-reviewed journals, conference proceedings, book chapters, or books in line with the Unisa Research and Innovation Policy at this level.
- Record of successful supervision of postgraduate dissertations and thesis of MSc and PhD students to completion.
- Evidence of mentoring junior staff members and success in securing external research funding.

Field of Expertise:

- A record of accomplishment in the field of both experimental and computational theoretical solid-state physics and/or materials science.

Recommendations:

- Experience with teaching and learning in an ODeL environment.
- Active academic citizenship roles.
- Proven record of international collaborations.
- Experience in multidisciplinary research activities.
- Evidence of involvement in community engagement project/s
- Industrial or government collaborations.
- NRF rating or proof of application for NRF rating will be an advantage
- Registration with a professional body, such as SAIP, to mention a few.
- Experimentalists must specify their expertise in at least five key pieces of equipment in our research laboratories, such as HR-TEM, HR-SEM, RAMAN, FTIR, DLTS, PPMS, XPS, UV-VIS-NIR, AFM, Ellipsometer, XRD, tunable photoluminescence lasers, thermoluminescence system, electron deposition systems, ESR, CytoViva Hyperspectral microscopy, Electrical measurement system among others.
- For computational physicists or computational materials physicists, advanced programming skills in any scientific programming language, such as Fortran, Python, or C++, are required, and competence in machine learning is advantageous.

Post specific requirements <u>Associate Professor:</u>

- A Doctoral degree in Physics with expertise in both experimental and computational theoretical solid-state physics or materials science.
- A minimum of 4 years of relevant experience in teaching and curriculum development for Physics at both undergraduate and postgraduate levels in a tertiary institution.
- A proven research profile and consistent publication record in reputable peer-reviewed journals, conference proceedings, book chapters, or books in line with the Unisa Research and Innovation Policy at this level.
- Record of successful supervision of postgraduate dissertations and thesis of MSc and PhD students to completion.
- Evidence of mentoring junior staff members and success in securing external research funding.

Field of Expertise:

- A record of accomplishment in the field of both experimental and computational theoretical solid-state physics and/or materials science.

Recommendations:

- Experience with teaching and learning in an ODeL environment.
- Active academic citizenship roles.
- Proven record of international collaborations.
- Experience in multidisciplinary research activities.
- Evidence of involvement in community engagement project/s
- Industrial or government collaborations.
- NRF rating or proof of application for NRF rating will be an advantage
- Registration with a professional body, such as SAIP, to mention a few.
- Experimentalists must specify their expertise in at least five key pieces of equipment in our research laboratories, such as HR-TEM, HR-SEM, RAMAN, FTIR, DLTS, PPMS, XPS, UV-VIS-NIR, AFM, Ellipsometer, XRD, tunable photoluminescence lasers, thermoluminescence system, electron deposition systems, ESR, CytoViva Hyperspectral microscopy, Electrical measurement system among others.
- For computational physicists or computational materials physicists, advanced programming skills in any scientific programming language, such as Fortran, Python, or C++, are required, and competence in machine learning is advantageous.

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

SCHOOL OF ENGINEERING

DEPARTMENT OF STATISTICS

SCIENCE CAMPUS (FLORIDA)

FULL PROFESSOR/ ASSOCIATE PROFESSOR X1

ASSOCIATE PROFESSOR/SENIOR LECTURER X2

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

Full Professor / Associate Professor ×1: Statistics

(*Ref.CSET/2026/new/PAP-ST-37)*

Post specific requirements for Professor:

- A Doctoral degree in Statistics or any related field of study.
- Candidates should have a background in Mathematical Statistics from their undergraduate and Honours or equivalent degrees.
- Minimum of 5 years relevant experience in the teaching and curriculum development of Mathematical or Statistics modules at undergraduate and postgraduate levels at a tertiary institution.
- Proven research profile and consistent publication record in accredited journals, peer-reviewed conference proceedings, books or book chapters in line with the Unisa Research and Innovation Policy at this level.
- A proven record of supervision of postgraduate Masters and Doctoral students to completion.
- Proven experience and record of community engagement/scholarship.

Field of Expertise:

- Mathematical Statistics or Statistics modules at all levels.

Recommendations:

- Specialization in at least one of the following fields will be an advantage: Bayesian Statistics, Spatial Statistics, Data Science.
- Experience in online environment.
- NRF rating or proof of application for NRF rating.

Post specific requirements for Associate Professor:

- A Doctoral degree in Statistics or any related field of study.
- Candidates should have a background in Mathematical Statistics from their undergraduate and Honours or equivalent degrees.
- Minimum of 4 years relevant experience in the teaching and curriculum development of Mathematical or Statistics modules at undergraduate and postgraduate levels at a tertiary institution.
- Proven research profile and consistent publication record in accredited journals, peer-reviewed conference proceedings, books or book chapters in line with the Unisa Research and Innovation Policy at this level.
- A proven record of supervision of postgraduate Masters and Doctoral students to completion.
- Proven experience and record of community engagement/scholarship.

Field of Expertise:

- Mathematical Statistics or Statistics modules at all levels.

Recommendations:

- Specialization in at least one of the following fields will be an advantage: Bayesian Statistics, Spatial Statistics, Data Science.
- Experience in online environment.
- NRF rating or proof of application for NRF rating.

Associate Professor/ Senior Lecturer ×2: Statistics
(*Ref.CSET/2026/new/APSL-STA-38)*

Post specific requirements for Associate Professor:

- A Doctoral degree in Statistics or any related field of study.
- Candidates should have background in Mathematical Statistics (or Mathematics and Statistics) from their undergraduate and Honours or equivalent degrees.
- Minimum of 4 years relevant experience in the teaching and curriculum development of Mathematical or Statistics modules at undergraduate and postgraduate levels at a tertiary institution.
- Proven research profile and consistent publication record in accredited journals, peer-reviewed conference proceedings, books or book chapters in line with the Unisa Research and Innovation Policy at this level.
- A proven record of supervision of postgraduate Masters or Doctoral students to completion.
- Proven experience and record of community engagement/scholarship.

Field of Expertise:

Mathematical Statistics or Statistics modules at all levels.

Recommendations:

- Specialization in at least one of the following fields will be an advantage: Bayesian Statistics, Spatial Statistics, Data Science.
- Experience in online teaching environment.
- NRF rating or proof of application for NRF rating is an added advantage.

Post specific requirements for Senior lecturer:

- A Doctoral degree in Statistics or any related field of study.
- Candidates should have background in Mathematical Statistics (or Mathematics and Statistics) from their undergraduate and Honours or equivalent degrees.
- Minimum of 3 years relevant experience in the teaching and curriculum development of Mathematical or Statistics modules at undergraduate and postgraduate levels at a tertiary institution.
- Proven research profile and consistent publication record in accredited journals, peer-reviewed conference proceedings, books or book chapters in line with the Unisa Research and Innovation Policy at this level.
- A proven record of supervision of postgraduate Masters or Doctoral students to completion.
- Proven experience and record of community engagement/scholarship.

Field of Expertise:

Mathematical Statistics or Statistics modules at all levels.

Recommendations:

- Specialization in at least one of the following fields will be an advantage: Bayesian Statistics, Spatial Statistics, Data Science.
- Experience in online teaching environment.
- NRF rating or proof of application for NRF rating is an added advantage.

COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

SCHOOL OF SCIENCE

DEPARTMENT OF MATHEMATICAL SCIENCES

FLORIDA-SCIENCE CAMPUS (FLORIDA)

PROFESSOR/ ASSOCIATE PROFESSOR (P5) X1
ASSOCIATE PROFESSOR/ SENIOR LECTURER X2
SENIOR LECTURER

(ACADEMIC CANDIDATES WITH A RESEARCH OR ACADEMIC (NON-ACADEMICS) CANDIDATES FROM

Full Professor / Associate Professor X1: Pure Mathematics
(*Ref.CSET/2026/Re-Ad9/PAP-MTH-PM-39)*

Post specific requirements for Full Professor:

- A Doctorate degree in Mathematics with specialization in Pure Mathematics.
- Minimum of 5 years relevant experience in the teaching and curriculum development of Pure Mathematics at undergraduate and postgraduate levels at a tertiary institution.
- A proven research profile and consistent publication record of research outputs in accredited journals, peer-reviewed conference proceedings, books or book chapters in line with the Unisa Research and Innovation Policy at this level.
- Record of successful supervision of postgraduate dissertations and thesis of MSc and PhD students to completion.
- Evidence of success in securing research funding.

Field of Expertise:

- The candidate must have expertise in one or more of the following areas: Analysis, Topology and Algebra.

Recommendations:

- Experience with teaching and learning in an ODeL environment.
- Active academic citizenship roles.
- Proven record of international collaborations.
- Experience in multidisciplinary research activities.
- Industrial or government collaborations.
- NRF rated scientist.
- Evidence of mentoring junior staff members and leadership in community engagement projects.

Post specific requirements for Associate Professor:

- A Doctorate degree in Mathematics with specialization in Pure Mathematics.
- Minimum of 4 years relevant experience in the teaching and curriculum development of Pure Mathematics at undergraduate and postgraduate levels at a tertiary institution.
- A proven research profile and consistent publication record of research outputs in accredited journals, peer-reviewed conference proceedings, books or book chapters in line with the Unisa Research and Innovation Policy at this level.
- Record of successful supervision of postgraduate dissertations and/or thesis of MSc and/or PhD students to completion.
- Evidence of success in securing research funding.

Field of Expertise:

- The candidate must have expertise in one or more of the following areas: Analysis, Topology and Algebra.

Recommendations:

- Experience with teaching and learning in an ODeL environment.
- Active academic citizenship roles.
- Record of international collaborations.
- Participation in multidisciplinary research activities.
- Industrial or government collaborations.
- NRF rated scientist.
- Participation in community engagement activities.

Associate Professor/ Senior Lecturer X1: Astronomy
(*Ref.CSET/2026/Re-Ad9/APSL-MTH-AST-40)*

Post specific requirements for Associate Professor:

- A Doctorate degree in Astronomy or equivalent.
- Minimum of 4 years relevant experience in the teaching and curriculum development of Astronomy at undergraduate and postgraduate levels at a tertiary institution.

- A proven research profile and consistent publication record of research outputs in accredited journals, peer-reviewed conference proceedings, books or book chapters in line with the Unisa Research and Innovation Policy at this level.
- Record of successful supervision of postgraduate dissertations and/or thesis of MSc and/or PhD students to completion.
- Evidence of success in securing research funding.

Field of Expertise:
- The candidate must have expertise in one or more of the following areas: Astronomy, Astrophysics and Astrometry.

Recommendations:
- Experience with teaching and learning in an ODeL environment.
- Active academic citizenship roles.
- Record of international collaborations.
- Participation in multidisciplinary research activities.
- Industrial or government collaborations.
- NRF rated scientist.
- Participation in community engagement activities.

Post specific requirements for <u>Senior Lecturer:</u>
- A Doctorate degree in Astronomy or equivalent.
- Minimum of 3 years relevant experience level at a tertiary institution.
- Record of research profile and consistent publication record of research outputs in accredited journals, peer-reviewed conference proceedings, books or book chapters in line with the Unisa Research and Innovation Policy at this level.

Field of Expertise:
- The candidate must have expertise in one or more of the following areas: Astronomy, Astrophysics and Astrometry.

Recommendations:
- Experience in online teaching environment
- Experience in involvement in engaged scholarship project/s
- Evidence of supervision/co-supervision of research Masters.

<u>Senior Lecturer X1: Pure Mathematics</u>
(*Ref.CSET/2026/new/SL-MTH-PM-41)*
Post specific requirements for <u>Senior Lecturer:</u>
- A Doctorate degree in Mathematics with specialization in Pure Mathematics.
- Minimum of 3 years relevant experience level at a tertiary institution.
- Record of research profile and consistent publication record of research outputs in accredited journals, peer-reviewed conference proceedings, books or book chapters in line with the Unisa Research and Innovation Policy at this level.

Field of Expertise:
- The candidate must have expertise in one or more of the following areas: Analysis, Topology and Algebra.

Recommendations:
- Experience with teaching and learning in an ODeL environment.
- Active academic citizenship roles.
- Participation in community engagement activities.

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 : **10 April 2026** *(Email application before close of business at 16:00).*

APPLICATIONS TO BE FORWARDED AS FOLLOWS:	
Applications for the Department of: • Civil and Environmental Engineering and Building Sciences • Mining Minerals and Geomatics Engineering • Mechanical Bioresources and Biomedical Engineering • Industrial Engineering and Engineering Management • Chemical and Materials Engineering • Computer Science • Information Systems **Should all be forwarded to:**	Mr TA Masego CSET1PA@unisa.ac.za
Applications for the Department of: • Centre for Augmented Intelligence and Data Science • Institute for Nanotechnology and Water Sustainability • Institute for Catalysis and Energy Solutions • Physics • Statistics • Mathematical Sciences **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.