

UNIVERSITY OF KWAZULU-NATAL
COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE
CENTRE FOR ACADEMIC SUCCESS IN SCIENCE AND ENGINEERING (CASSE)

POSTDOCTORAL FELLOWSHIPS

REFERENCE NUMBERS: CASSE/03/2025 and CASSE/04/2025

The College of Agriculture, Engineering and Science (CAES) is pleased to announce two Postdoctoral Research Fellowships hosted within the Centre for Academic Success in Science and Engineering (CASSE), reporting to Dr Bobby Varghese (varghese@ukzn.ac.za, Tel: 031-2601592). Fellowship will be paid as per university post-doc rates, and will run for one year starting October 2025.

CASSE/03/2025 - Fellowship 1: Student Data Analysis for Academic Monitoring and Support

This fellowship will focus on advanced analysis of student performance and progression data to strengthen early risk identification, academic monitoring, and targeted support systems within CAES. The successful candidate will work closely with institutional stakeholders to design and implement evidence-based strategies that improve student success.

Minimum Requirements

- A PhD in a relevant field within the sciences.
- Strong knowledge of statistical packages (e.g., SPSS, R, Stata, or equivalent).
- Proven skills in quantitative data analysis, data modelling, and interpretation.
- Demonstrated ability in technical and academic report writing.
- Evidence of working in multi-disciplinary research contexts.

CASSE/04/2025 - Fellowship 2: Scholarship of Teaching and Learning (SoTL)

This fellowship will contribute to the advancement of the Scholarship of Teaching and Learning [TL] within CAES, focusing on curriculum development, pedagogy, assessment practices, and student learning outcomes. The successful candidate will be expected to publish research on teaching and learning innovations and support ongoing strategic projects within CASSE.

Minimum Requirements

- A PhD in a relevant discipline.
- Demonstrated interest and/or experience in teaching and learning research.
- Familiarity with educational research methodologies (qualitative and quantitative).
- Strong academic writing and publication record.
- Ability to work collaboratively across disciplines.

Fellowship applications should include the following:

1. A letter of motivation, clearly demonstrating your suitability for the fellowship (CASSE/03/2025 or CASSE/04/2025) and addressing each of the minimum requirements listed above.

2. A comprehensive CV, including a full list of publications and qualifications.
3. Contact details of three academic referees.

Applications should be submitted directly to Dr Bobby Varghese (varghese@ukzn.ac.za).
The closing date for receipt of applications is **Friday, 12 September 2025**.

This appointment will be made in line with the University's Employment Equity Plan. Preference will be given to applicants from designated groups. The University reserves the right not to make an appointment.

Kindly note that the University of KwaZulu-Natal ("the University") is required to process any Personal Information (as defined by the Protection of Personal Act, 2013 "POPIA") submitted by candidates when applying for positions at the University. The provision of Personal Information is a requirement in terms of the University's recruitment and selection process. The retention of any personal information is a consequence of the University being bound by legislative requirements and/or good governance practices, as well as record-keeping for statistical purposes. The University will endeavour to ensure that the appropriate security measures are in place and implemented for both electronic and paper-based formats that are used for processing the personal information recorded through this recruitment and selection process.