

**The University of KwaZulu-Natal (UKZN) is committed to meeting the objectives of Employment Equity to improve representivity within the Institution. Preference will be given to applicants from designated groups in accordance with our Employment Equity Plan.**

**COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE**

**PROFESSOR/ASSOCIATE PROFESSOR/SENIOR LECTURER  
(AEROSPACE ENGINEERING)  
SCHOOL OF ENGINEERING  
HOWARD COLLEGE CAMPUS**

**REF NO.: ENG05/2021**

This position is in the area of Aerospace Engineering. The incumbent will be required to teach undergraduate courses, conduct practicals, and carry out administrative duties within the Discipline of Mechanical Engineering. S/he will also be required to conduct research and supervise undergraduate and postgraduate research projects in the field of aerospace engineering, with an emphasis on aerodynamics modelling, flight dynamics analysis and systems engineering.

The incumbent will report to the Academic Leader: Mechanical Engineering.

**Minimum Requirements:**

All applicants must have a BScEng in Mechanical or Aeronautical Engineering. In addition, the following apply to each of the levels indicated below.

**Professor:**

- A PhD in an appropriate area
- Experience in teaching at a tertiary institution
- A recognized leader in the aerospace engineering specialization with an extensive and current research and publishing record in DoHET accredited journals and peer reviewed conference proceedings
- A successful post graduate supervision record at PhD and Masters level
- A proven record of sourcing research funding
- Registration as a Professional Engineer with ECSA
- NRF rating
- Management and leadership experience in an academic or research environment
- Developed a network of research collaborations nationally and/or internationally
- Experience in aerodynamics, flight dynamics and the systems engineering of aerospace vehicles

**Associate Professor:**

- A PhD in an appropriate area
- Experience in either University teaching or relevant mentorship experience in an industrial or research environment
- A current record of research in aerospace engineering as evidenced by publications in DoHET accredited journals and peer reviewed conference proceedings
- Successful post graduate supervision or extensive mentorship in an industrial or research environment

- Demonstrated ability to attract external research funds
- Registration as a Professional Engineer with ECSA or candidate registration and ability to apply for professional registration immediately
- Experience in aerodynamics, flight dynamics and the systems engineering of aerospace vehicles

**Senior Lecturer:**

- A PhD in an appropriate area
- Experience in University teaching and postgraduate supervision, or relevant mentorship in an industrial or research environment
- A current record of research in aerospace engineering as evidenced by publications in DHET accredited journals and peer reviewed conference proceedings
- Successful post graduate supervision or extensive mentorship in an industrial or research environment
- Demonstrated ability to attract external research funds
- Registration as a Professional Engineer with ECSA or candidate registration and ability to apply for professional registration immediately
- Experience in aerodynamics, flight dynamics and the systems engineering of aerospace vehicles

This appointment will be made in line with the University Guidelines/benchmarks which are available on the University Vacancies website on <http://vacancies.ukzn.ac.za/Academic-Process-Proc-Guides.aspx>

Enquiries and details regarding this post, as well as requests for a job profile may be directed to the Academic Leader, Prof Michael Brooks, on 031 260-3201 or e-mail [brooks@ukzn.ac.za](mailto:brooks@ukzn.ac.za)

**Appointment to this position will be on the January 2018 Conditions of Service.**

**The total remuneration package offered includes benefits.**

**The closing date for receipt of applications is 17 September 2021.**

**Applicants are required to complete the relevant application form which is available on the Vacancies website at [www.ukzn.ac.za](http://www.ukzn.ac.za).**

**Applicants MUST please indicate the level they wish to be considered for. Completed forms AND Curriculum Vitae may be sent to [Recruitment-aes@ukzn.ac.za](mailto:Recruitment-aes@ukzn.ac.za). Avert Reference Number must be clearly stated in the subject line.**