



CHIEF TECHNICAL OFFICER

(Payclass 10)

Department of Biological Sciences Faculty of Science

The Department of Biological Sciences and FitzPatrick Institute of African Ornithology (FIAO) seeks to appoint a permanent Chief Technical Officer. The position has multiple responsibilities, but primary among these is to support the important biological databases, and allied data access and management systems, housed within the Department. The incumbent will have to ensure the sustainable administration, development, and maintenance of these information systems, with regard to platform, software and technical resources. Additional duties include supervising maintenance of departmental buildings and equipment, and management of a vehicle fleet.

Requirements for the position:

- BSc degree in Biology (or equivalent National Diploma, given sufficient relevant experience).
- At least 5-years of experience in database design and management.
- Strong background in computer technology applied to biological research.
- Extensive experience in server management skills and query writing in SQL.
- Experience in developing biological monitoring systems and data processing in Python, PHP, R and GIS.
- Experience in development and implementation of web and API development best practices.
- Experience in agile development processes and DevOps (Development Operation practices).
- Experience in Linux server environments, POSTFIX/Dovecot email software, Apache2/Nginx web server systems.
- Strong web development skills: HTML, CSS, JavaScript, JSON.
- Intermediate level MS Office (Excel, Word, Access).
- Basic understanding of building structures, electrical systems, automotive mechanical systems.
- Commitment to a collegial and cooperative working environment.

Responsibilities include:

- Server and database management, including maintenance of servers and configuration/installation of user-interface software.
- Web development and maintenance to accommodate ongoing software updates.
- Management of infrastructure and physical environment in the HW Pearson building.
- Supervise a Technical Officer based in HW Pearson who assists with infrastructure and physical environment management.
- Liaise with UCT Properties and Services regarding maintenance and development of HWP spaces and facilities, including plant propagation facilities.
- Management of FitzPatrick Institute vehicle fleet, equipment, and IT facilities.
- Management of the Bains Kloof field station.

The annual cost of employment, including benefits, is between R547 299 and R643 880.

To apply, please e-mail the documents below in a **single pdf file** to Ms Natasha Khan at recruitment06@uct.ac.za

- UCT Application Form (download at <http://forms.uct.ac.za/hr201.doc>)
- Motivation letter that speaks to the specific requirements of the position, and
- Curriculum Vitae (CV)

An application which does not comply with the above requirements will be regarded as incomplete. Only shortlisted candidates will be contacted; the interview process will include a competency test.

Telephone: 021 650 3469

Website: www.science.uct.ac.za

Reference: E220426

Closing date: 07 December 2022

"UCT is a designated employer and is committed to the pursuit of excellence, diversity, and redress in achieving its equity targets in accordance with the Employment Equity Plan of the University and its Employment Equity goals and targets. Preference will be given to candidates from the under-represented designated groups. Our Employment Equity Policy is available at www.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf."

UCT reserves the right not to appoint.