



COURSEWORK WITH MINI-THESIS
MASTER'S DEGREE

SATELLITE SYSTEMS AND APPLICATIONS

CPUT Department of Electrical, Electronic and Computer Engineering

**CPUT
LEADING
THE WAY**

The CPUT Satellite Programme attracts students from various engineering disciplines such as Electrical, Mechanical, Mechatronics and Industrial Engineering. CPUT made its mark on the global space arena by developing South Africa's first nanosatellite, launched on 21 Nov 2013. Recently three nanosatellites were launched on 13 Jan 2022 as part of South Africa's new *Maritime Domain Awareness Satellite* (MDASat) constellation.

As the only university of technology in the Western Cape, we provide a platform for various nanosatellite related research applications and create an academic framework for developing skilled scientists, technologists, and engineers in the field to support the emerging space industry.

WHY SHOULD I STUDY A SATELLITE MASTER'S DEGREE?

Satellites occupy an important place in our society. Beyond their scientific contribution to exploring Earth and the universe, they have become an integral part of our daily lives. We rely on it for so many things: satellite-based global telecommunication services, road, maritime and air navigation systems, and Earth observation.

INTERNATIONAL LINKAGES

The French South African Institute of Technology (F'SATI) functions as a National Institute of Excellence within CPUT. Through F'SATI, CPUT has access to international experts and lecturers. Various partner university links exist with universities such as UPEC and ESIEE.

The coursework master's focusing on Satellite Systems and Applications provides students with a deeper theoretical foundation to prepare them for

postgraduate research. It consists of a coursework component and mini-thesis, offered over two years.

ADMISSION

The requirement for admission is a level 8 qualification in a relevant cognate field such as Bachelor of Engineering, Bachelor of Engineering Technology (Honours) or Post Graduate Diploma in related engineering fields such as Electrical, Mechanical, Industrial, Mechatronics and Chemical.

BTech applicants may apply via the Recognition of Prior Learning (RPL) route.

RPL details at
<https://www.cput.ac.za/study/rplstudents>

For more
information contact
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