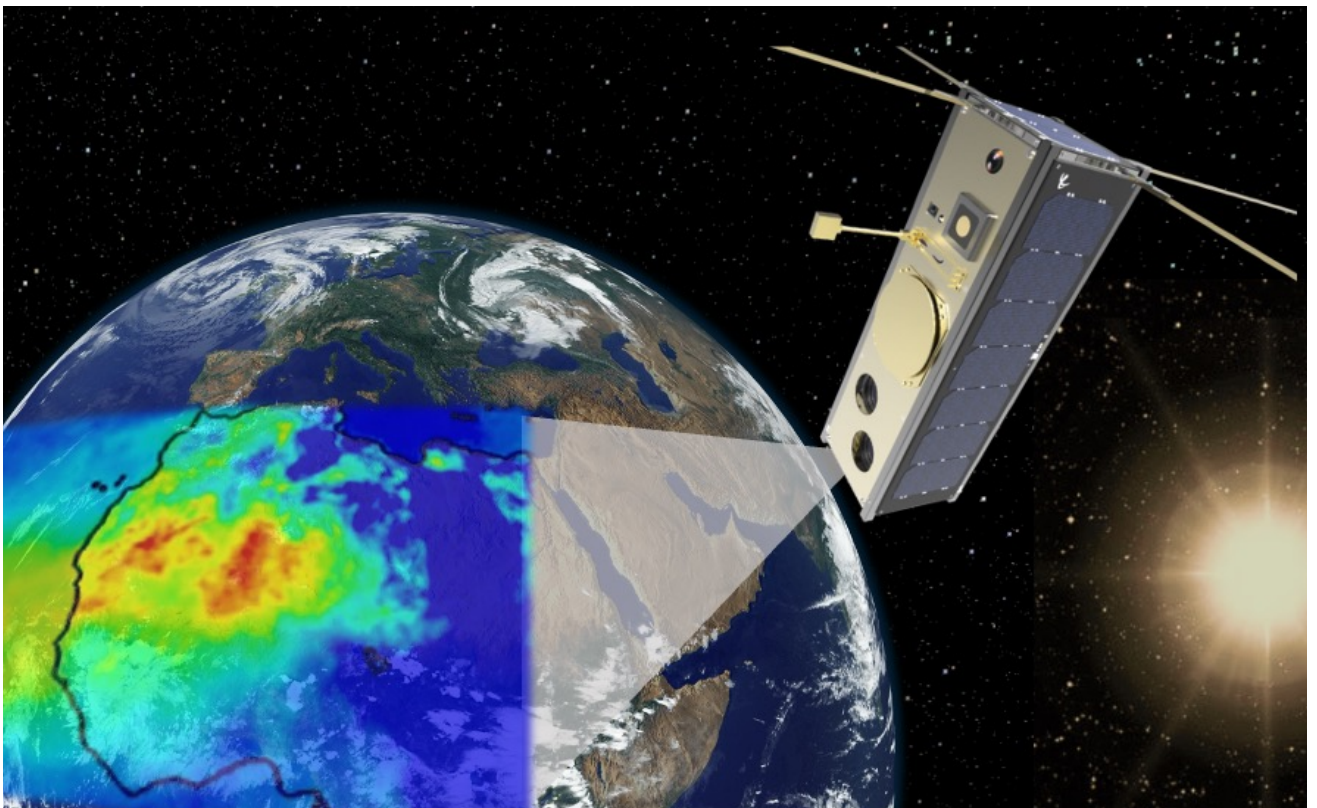


New International JOINT MASTER'S DEGREE

SATELLITE SYSTEMS AND APPLICATIONS

High-level training of skilled scientists and engineers in fields related to space sciences and technologies

- This is the **first joint French-South African Master's degree in Space Science and Technology**, the result of an international cooperation between the University of Paris East Creteil (UPEC) and the Cape Peninsula University of Technology (CPUT). It brings together the **internationally recognised expertise of UPEC in space science and CPUT in space technology**, from the development of nanosatellites launched into space to the use of satellite measurements for environmental and planetary sciences.
- This training is designed to lead to: (i) a PhD in science or engineering in research laboratories, or (ii) positions as research and development engineers, managers in industry and public laboratories, and teaching.
- It is linked nationally and internationally to numerous universities, institutes and industrial players through the **Space Academy of Ile-de-France** and the **French-South African Institute of Technology**.
- It consists of coursework and a Master's mini Thesis, **100 % in English language**, based on innovative **Collaborative Online International Learning** with two simultaneously linked classrooms at the two universities.



Requirements for admission

- Bachelor of Science in Physics, in Applied Mathematics and in Engineering Sciences
- Bachelor of Engineering, Bachelor of Engineering Technology (Honours) or Post Graduate Diploma in Electrical, Mechanical, Industrial, Mechatronics and Chemical Engineering.

Following career and jobs

- PhD thesis in a public or an industrial research laboratory
- Research and development engineer in industry or study/research engineer in the public sector
- Project Manager, Consultant, Manager
- Lecturer, Teacher

Activity Sectors

- Earth, Environmental and Planetary Scientific Research
- Aerospace, space and telecommunications industry, in emerging and mid-sized companies and large industrial groups
- Space agencies
- Higher and secondary education

Keywords

Satellite and space missions, conception and subsystems
Engineering for space environment
Management of space technology
Signal and Image processing
Remote sensing, Earth observation
Spectroscopy, Astrophysics and Astrochemistry

Application

<https://sciences-tech.upec.fr/formation/master-genie-industriel-parcours-international-systemes-satellites-et-applications>



Heads of program

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Training format

A 2-year Master's degree consisting of a Master 1 and a Master 2