CSUM | CENTRE SPATIAL DE L'UNIVERSITÉ DE MONTPELLIER

Space engineer, Supervisor of hands-on education programs

Job offer

University Space Center of Montpellier

The University Space Center of Montpellier (CSUM) has recognized expertise in the field of design, development, testing and operation of nanosatellites and their subsystems, as well as in management and product assurance of university space projects.

With 25 full-time engineers, the CSUM has AIT (Assembly Integration and Tests) resources, a 200m² ISO8 clean room and an ISO5 tent, a CIC (Concurrent Engineering Center), a vacuum thermal chamber [-170°C;+150°C], a 58 kN vibrator and a VHF/UHF and S band transmission/reception ground station. It has developed its own 1U format nano-satellite platform technology ROBUSTA-1U, 3U, 6U and 12U with the support of the Van Allen Foundation, French and European space agencies.

COMETES project

CSUM and the Van Allen Foundation (FVA), a foundation of the University of Montpellier overseeing the management and financial support of CSUM, were awarded a call for projects on future skills and profession, alongside 25 other training and space industry stakeholders from the Grand Sud region of France (COMETES project).

The COMETES project (funded by the National Research Agency with €20M over five years) aims to foster the emergence of talent and accelerate the adaptation of training programs, from vocational certificates (CAP) to doctorates, to meet the skill needs of the space industry.

Main mission

In the frame of the COMETES project, the candidate will be part of the Initial training work package. At CSUM, he/she will oversee the creation of hands-on education content and learning and assessment situations. This includes the realisation of (but not limited to):

- a demonstration test bench for a star tracker;
- a practical work on assembly, integrating, and testing.

He/she will also help prepare and supervise practical works for students in the Mastère Spécialisé – Développement des Systèmes Spatiaux, a specialized master's degree.

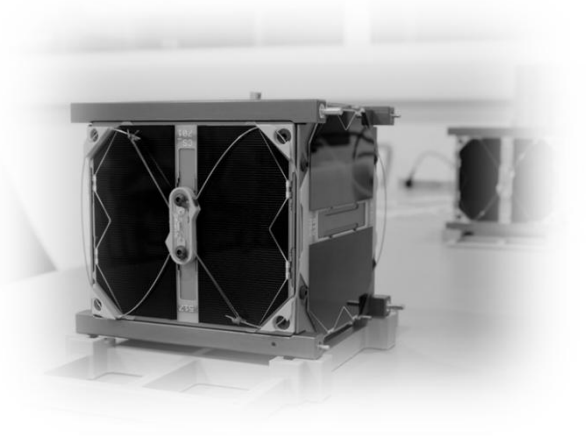
Skills & qualifications

- Scientific formation, at least master's degree
- Strong interest in the space domain

- Experience with practical works/lab sessions
- Experience in teaching/training for post-secondary students
- Experience with Matlab/Simulink
- Basic knowledge of Python, C
- Knowledge of Git
- Proficiency with Windows
- Proficiency with Microsoft Office (Word, Excel, Powerpoint)
- Knowledre of Linux
- Good written and oral communication skills in English language
- Laboratory equipment: oscilloscope, power sources, multi-meter…
- Workshop tools: Dynamometric screw driver, caliper….
- Ability to function with little direct oversight
- Ability to work effectively in teams

What can we offer?

- Dynamic and challenging environment. Participating to the whole lifetime of a nanosatellite's project. Fully equipped facilities (mission control center, UHF antennas, S band antennas, cleanroom, TVAC, shaker, workshop)
- Contract: 1 year contract (CDD)
- Net salary: 2200€ (plus potential bonus)
- Working hours per week: 35h
- Holydays: 6 weeks
- Preferred starting date: Summer 2025



How to apply?

We accept young graduate. Send your resume and cover letter via the following form: https://csum.umontpellier.fr/en/jobs-job-offers/