

Job Description

The payload is the purpose of the satellite and what the satellite is built around. It can be a Mars rover, a camera meant to observe Earth's oceans or a novel piece of software. The payload subsystem is concerned with the science behind the payload's functionality as well as with its integration within the rest of the satellite. Understanding the relation between the payload and the other subsystems is essential because the payload sets the most fundamental requirements for the satellite as a whole.

In our case, the responsibility of the payload team is to integrate an Earth observation multispectral camera into the satellite. The team has to procure it, calibrate it, test it and interface it with the rest of the CubeSat.

The main objectives of the Payload subsystem are:

Choosing the most efficient multispectral camera, both from a financial point of view as well as the technical advantages they have in comparison with other options;
Accurately assessing the different multispectral cameras of choice in order to keep the power consumption to a minimum and to utilise as little U modules as possible;
Introducing passionate people into the world of space technology and familiarizing them with this domain.

Required Qualifications, Skills and Experience:

- Student/Graduate in a STEM-related field
- Good knowledge of Microsoft Office Pack
- A can-do attitude
- Possibility to work both individually and within a team
- Willingness to acquire relevant information for the Payload subsystem
- Availability to attend weekly meetings and work independently (minimum 2 hours/week)

Nice to have:

- Knowledge within the remote sensing field, including the visible spectrum and data analysis
- English – intermediate level
- Can produce good quality documentation
- Trainings/workshops/internships in the space field would provide an advantage