

AGENCY

Fly Your Satellite! expands with two new pilot programmes: Design Booster and Test Opportunities

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ESA / Education / CubeSats - Fly Your Satellite!

In brief

ESA Education's [Fly Your Satellite!](#) is a world-class initiative that helps university students to design, build, and fly fully-functional [CubeSats](#) into space. The programme is now expanding with two exciting new strands, providing further life-changing opportunities to students.

In-depth

Fly Your Satellite! Design Booster

— CubeSat team discussing the CubeSat design with an ESA specialist

Student teams that have a preliminary design for their 1-, 2-, 3-, or 6-unit CubeSat, and want to consolidate their design with support from ESA, will be very interested in Design Booster!

This 18-month programme will see selected teams be trained in running analyses and performing trade-offs to make important design choices for their mission. ESA experts will be on-hand to provide valuable feedback and help consolidate designs, and there may even be the opportunity to perform environmental test campaigns on subsystems, making use of the dedicated [CubeSat Support Facility in ESEC](#) (Belgium).

Please visit the [Design Booster webpage](#) if you would like to know more, and to apply.

ESA Education are running information sessions for potential applicants, including the chance to ask questions. [Please register here.](#)

Fly Your Satellite! Test Opportunities

Teams that have already assembled their hardware will be pleased to learn of [Test Opportunities](#), which gives the chance to verify equipment, payloads, experiments, or entire nanosatellites before their trip to space.

— EIRSAT-1 team with Engineering Qualification Model in TVAC

Making use of superb facilities at the [CubeSat Support Facility in ESEC](#) (Belgium), selected teams will receive support for the preparation and execution of a dedicated test campaign. Their hardware will be put through its paces using equipment including a Thermal Vacuum Chamber, Thermal Oven, and Electrodynamic Shaker, simulating the harsh environment experienced during launch and in orbit.

The [Test Opportunities webpage](#) contains more details about the available test windows, milestones, and application procedure.

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Interested groups and individuals are encouraged to regularly check the [ESA Education website](#) for updates. For specific enquiries, please contact cubesats@esa.int.